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UNIVERSITY PROGRAM MANAGEMENT INFORMATION SYSTEM

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IMPORTANT NOTICE

This report is compiled primarily from information obtained from two internal NASA sources:

1. “CASE Report on Support of Colleges and Universities” (NASA Form 1356).
2. “Individual Procurement Action Report” (NASA Form 507).

Therefore, other sources should be used for completing Forms 507 and 1356.

Information in this publication is reviewed and revised for accuracy. Should any differences exist between publications, the latest edition should take precedence over earlier ones.

NASA's UNIVERSITY PROGRAM

ACTIVE PROJECTS

FISCAL YEAR 2002

Gary Gans, Project Manager

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Office of Education/N
Washington, DC 20546-0001

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FOREWORD

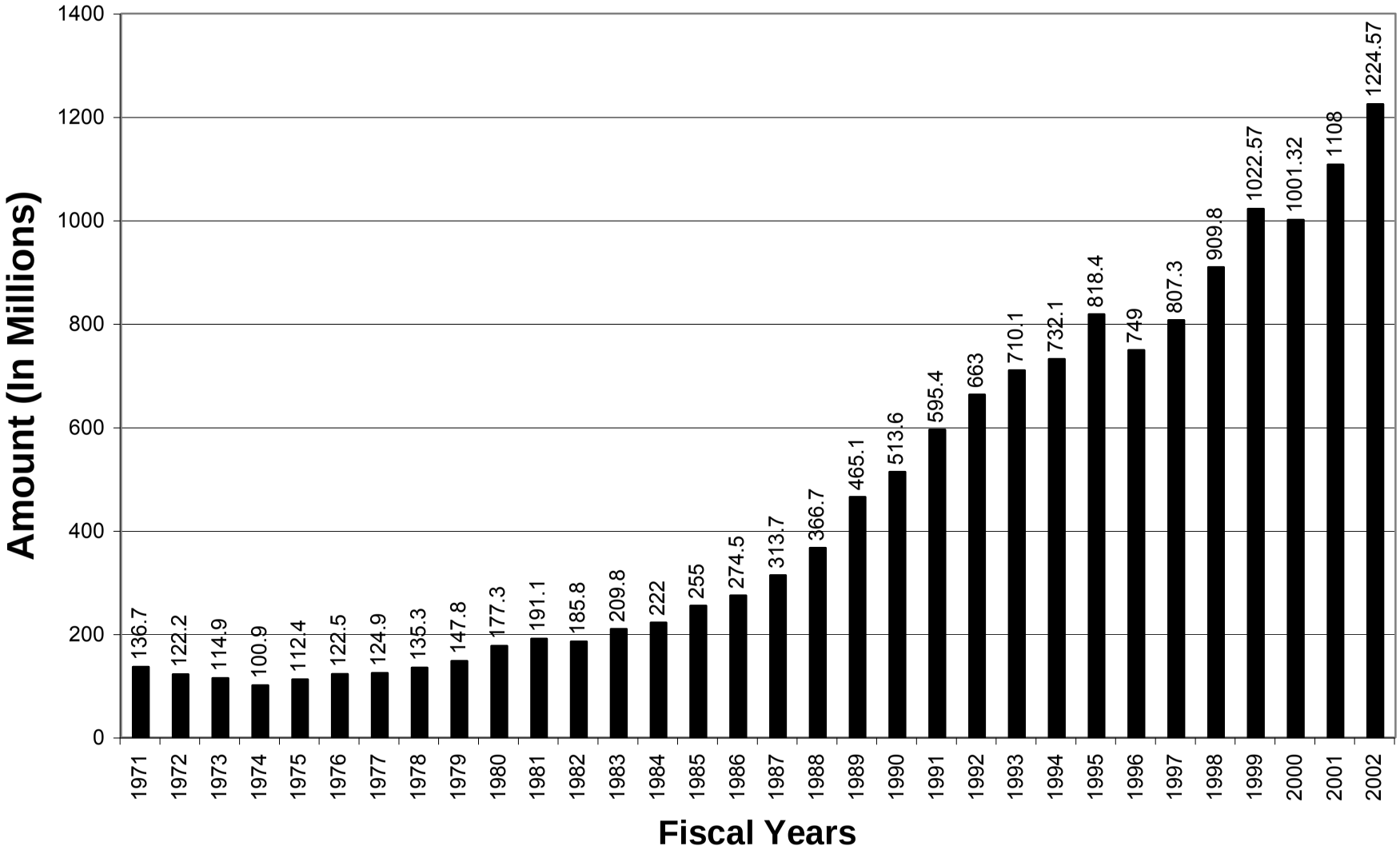
As basic policy, NASA believes that colleges and universities should be encouraged to participate in the nation's space and aeronautics program to the maximum extent practicable. Indeed, universities are considered as partners with government and industry in the nation's aerospace program. NASA's objective is to have them bring their scientific, engineering, and social research competence to bear on aerospace problems and on the broader social, economic, and international implications of NASA's technical and scientific programs. It is expected that, in so doing, universities will strengthen both their research and their educational capabilities to contribute more effectively to the national well being.

This annual report is one means of documenting the NASA-university relationship, frequently denoted, collectively, as NASA's University Program. This report is consistent with agency accounting records, as the data is obtained from NASA's Financial and Contractual Status (FACS) System, operated by the Financial Management Division and the Procurement Office. However, in accordance with interagency agreements, the orientation differs from that required for financial or procurement purposes. Any apparent discrepancies between this report and other NASA procurement or financial reports stem from the selection criteria for the data.*

This report was prepared by the Office of Education/N.

* Agreements which meet active criteria definition and have deobligations may result in agreements having negative obligations in the body of this publication.

NASA Obligations to Universities
Fiscal Years 1971-2002



NOTE: Excludes awards to California Institute of Technology for operation of the Jet Propulsion Laboratory. This chart includes deobligations.

FY 1971 includes $15.0M in awards to Draper Lab.
FY 1972 includes $5.7M in awards to Draper Lab.
FY 1973 includes $5.2M in awards to Draper Lab.
FY 1974 Draper Lab status changed from "university" to "nonprofit."

FIFTY EDUCATIONAL INSTITUTIONS
LISTED ACCORDING TO TOTAL OBLIGATIONS -- FY 2002

	INSTITUTION	OBLIGATIONS	PERCENT
TOTALS*		**1,224,570,313**	**100.00**
1	Johns Hopkins University	167,103,681	13.65
2	Stanford University	64,685,637	5.28
3	University of Colorado - Boulder	49,621,199	4.05
4	University of Maryland - College Park	42,156,713	3.44
5	Baylor College of Medicine	26,539,222	2.17
6	University of Hawaii at Manoa - Honolulu	24,489,155	2.00
7	University of California - Berkeley	24,157,500	1.97
8	California Institute of Technology	23,560,782	1.92
9	Utah State University	22,860,619	1.87
10	Massachusetts Institute of Technology	22,783,130	1.86
11	Pennsylvania State Univ. - Univ. Park	20,620,356	1.68
12	University of Maryland Baltimore County	19,996,728	1.63
13	University of Alabama - Huntsville	18,590,296	1.52
14	New Mexico State University - Las Cruces	18,473,905	1.51
15	University of Arizona	15,805,740	1.29
16	University of Alaska - Fairbanks	15,495,275	1.27
17	University of California - Los Angeles	14,323,772	1.17
18	Columbia University	12,258,104	1.00
19	Georgia Institute of Technology	11,747,241	0.96
20	University of California - San Diego	11,742,971	0.96
21	Oklahoma State University	11,225,773	0.92
22	University of Florida	11,156,736	0.91
23	University of Texas - Austin	10,960,392	0.90
24	Wheeling Jesuit University	10,931,591	0.89
25	University of Michigan - Ann Arbor	10,457,672	0.85
26	University of Wisconsin - Madison	9,975,159	0.81
27	Texas A&M University	9,952,030	0.81
28	University of Washington	9,599,369	0.78
29	George Mason University	9,034,005	0.74
30	University of New Hampshire - Durham	8,907,356	0.73
31	San Jose State University	8,818,433	0.72
32	Harvard University	8,426,647	0.69
33	University of Alabama - Birmingham	8,023,081	0.66
34	Purdue University	7,697,090	0.63
35	Mississippi State University	7,335,238	0.60
36	Princeton University	7,192,687	0.59
37	Carnegie - Mellon University	7,123,116	0.58
38	The University of Central Florida	6,990,535	0.57
39	Cornell University	6,927,384	0.57
40	University of California - Irvine	6,894,120	0.56
41	Hampton University	6,814,571	0.56
42	University of Illinois at Urbana-Champaign	6,170,958	0.50
43	University of Miami	6,100,520	0.50
44	Oregon State University	6,017,003	0.49
45	University of Missouri - Columbia	5,958,311	0.49
46	Colorado State University	5,905,323	0.48
47	University of California - Santa Barbara	5,578,665	0.46
48	Old Dominion University	5,499,005	0.45
49	University of Iowa	5,496,691	0.45
50	University of Mississippi - University	5,406,236	0.44
	Other Colleges & Universities	360,982,590	29.48

* Excludes awards to California Institute of Technology for operation of the Jet Propulsion Laboratory. Totals include de-obligations for this chart.

** Includes both foreign and domestic universities and colleges.

STATES AND U.S. TERRITORIES BY OBLIGATIONS
FISCAL YEAR 2001 (October 1, 2000 through September 30, 2002)

	STATE	FY02-OBLIGATIONS (WHOLE DOLLARS)	PERCENT
TOTALS*		**1,224,369,999**	**100.00**
1	Maryland	235,489,743	19.23
2	California	191,972,295	15.68
3	Texas	76,166,780	6.22
4	Colorado	60,990,150	4.98
5	Massachusetts	46,624,264	3.81
6	New York	41,490,734	3.39
7	Alabama	40,001,896	3.27
8	Florida	39,642,734	3.24
9	Pennsylvania	35,925,203	2.93
10	Virginia	33,207,153	2.71
11	Ohio	27,465,236	2.24
12	Utah	25,531,479	2.09
13	New Mexico	24,877,785	2.03
14	Hawaii	24,489,155	2.00
15	Arizona	21,767,550	1.78
16	Georgia	21,667,742	1.77
17	West Virginia	18,013,317	1.47
18	Michigan	17,165,449	1.40
19	Illinois	15,577,631	1.27
20	Alaska	15,495,275	1.27
21	Mississippi	13,798,196	1.13
22	New Jersey	12,970,219	1.06
23	Oklahoma	12,490,625	1.02
24	North Carolina	12,340,301	1.01
25	Missouri	11,624,108	0.95
26	New Hampshire	11,493,538	0.94
27	Tennessee	11,333,709	0.93
28	Wisconsin	10,688,960	0.87
29	Washington	10,677,805	0.87
30	Montana	9,894,370	0.81
31	Indiana	9,701,088	0.79
32	Iowa	9,691,193	0.79
33	Louisiana	9,470,387	0.77
34	District of Columbia	8,269,362	0.68
35	Oregon	7,149,129	0.58
36	Idaho	6,685,912	0.55
37	Puerto Rico	5,087,657	0.42
38	Minnesota	5,010,546	0.41
39	North Dakota	4,860,160	0.40
40	Connecticut	4,826,222	0.39
41	Rhode Island	4,797,345	0.39
42	South Carolina	3,891,333	0.32
43	Kentucky	2,699,707	0.22
44	Kansas	2,636,269	0.22
45	Nevada	1,692,342	0.14
46	Nebraska	1,570,135	0.13
47	Delaware	1,311,718	0.11
48	Vermont	1,143,908	0.09
49	Wyoming	946,453	0.08
50	South Dakota	922,083	0.08
51	Arkansas	783,233	0.06
52	Maine	350,415	0.03

* Starting in FY 1993, Active Actions with de-obligations will be reported in this chart.

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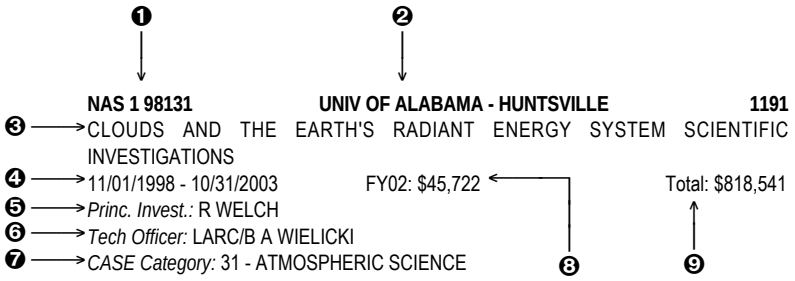
USER'S GUIDE

The University Program Report provides current information and related statistics for each grant/contract/ cooperative agreement active during the report period. The following guidance is provided as an aid to the reader in readily locating material of interest and in optimizing the use of this document.

I. Typical Citation



KEY

1. Agreement number*
2. Institution name
3. Brief work description
4. Approximate period of performance
5. Principal investigator(s) at the educational institution
6. NASA Technical Officer(s) and organizational location
7. CASE Field of Science and Engineering code and name
8. Amount (if any) actually provided during the indicated fiscal year
9. Total amount actually provided during the indicated period of performance

* Uniquely identifies project. Prefixes denote type of instrument as follows:

Grants: NAG, NAGW, NGF, NGT, NGL, NGR, NSG
Cooperative Agreements: NCC, NCCW
Contracts: DEN, NAS, NASR, NASW, NSR
Space Act Agreements: NCA

II. NASA Installations

NASA installations are included in the citation as abbreviations (item 7). The following listing of installations will be useful to those desiring further information on specific projects.

For additional information please visit the NASA Education website at: http://education.nasa.gov/ .

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A full listing of the suffix letters and information on NASA's organizational structure may be found in the NASA Headquarters Telephone Directory. The directory is for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

III. CASE

The National Science Foundation (NSF) operates a government-wide system originally designed by the Committee on Academic Science and Engineering (CASE) of the Federal Council for Science and Technology. Participating agencies report annually to NSF, which in turn issues the statistical report, Federal Science and Engineering Support to Universities, Colleges and Nonprofit Institutions.

Since its inception, this survey system has been the sole source of data on Federal funding to individual institutions for Science and Engineering (S&E) activities.

IV. Cross-Index

The cross-indexed Appendix provides rapid access to all projects in a particular area of endeavor, and is also easily used to determine the institutions and principal investigators conducting NASA projects.

ALABAMA

NAG 2 1130 **ALABAMA A&M UNIV** **1000**
IRON-ION INDUCED LOW DOSE MUTAGENESIS
06/11/1997 - 06/30/2002 FY02: $0 Total: $359,883
Prin. Invest.: P G KALE
Tech. Officer: ARC/A CARDENAS, ARC/P X CALLAHAN
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 2 1175 **ALABAMA A&M UNIV** **1001**
NEURAL NETWORK ANALYSIS OF LEAF MULTISPECTRAL REFL ECTANCE FOR DETECTION & DISCRIMINATION OF .....
02/03/1998 - 04/30/2002 FY02: $0 Total: $299,752
Prin. Invest.: C A BEYL
Tech. Officer: ARC/M H KLISS, ARC/G S LEE
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 2 1527 **ALABAMA A&M UNIV** **1002**
GENETIC EFFECTS IF NEUTRON RADIATION IN DROSOPHILA
10/11/2001 - 09/30/2003 FY02: $26,911 Total: $89,498
Prin. Invest.: V HATZIMMANIKATIS
Tech. Officer: ARC/J HINES, ARC/P FUNG
CASE Category: 43 – CHEMICAL ENGR

NAG 3 1956 **ALABAMA A&M UNIV** **1003**
OPTICAL SENSORS BASED ON SINGLE ARM THIN FILM WAVE GUIDE INTERFEROMETER
08/19/1996 - 10/31/2000 FY02: $0 Total: $258,000
Prin. Invest.: P VENKATESWARLY, S S SARKISOV
Tech. Officer: GRC/G ADAWOVSKY
CASE Category: 13 – PHYSICS

NAG 3 2302 **ALABAMA A&M UNIV** **1004**
DEVELOPMENT OF IMPROVED HIGH TEMPERATURE SILICON C ARBIDE SENSORS
12/13/1999 - 11/02/2002 FY02: $0 Total: $199,136
Prin. Invest.: D ILA, M A GEORGE
Tech. Officer: GRC/D J LARKIN, GRC/R LAWRENCE
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 9885 **ALABAMA A&M UNIV** **1005**
STUDENT REFLECTION GPS EXPERIMENT
08/24/2000 - 02/14/2002 FY02: $0 Total: $100,000
Prin. Invest.: A MANU
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10202 **ALABAMA A&M UNIV** **1006**
SPACE SCIENCE EDUCATION & THE SUN-EARTH CONNECTION
12/22/2000 - 12/31/2003 FY02: $0 Total: $225,000
Prin. Invest.: A TAN
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10721 **ALABAMA A&M UNIV** **1007**
CENTER FOR HYDROLOGY, SOIL CLIMATOLOGY, AND REMOTE SENSING (HSCARS): CONTINUATION OF A GROUP 2 MINOR
04/20/2001 - 04/14/2006 FY02: $0 Total: $759,171
Prin. Invest.: T COLEMAN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11752 **ALABAMA A&M UNIV** **1008**
THE 16TH NATIONAL CONFERENCE OF THE BLACK PHYSICS STUDENTS (NCBPS) NATIONAL SOCIETY OFBLACK PH
02/20/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: R B LAL
Tech. Officer: GSFC/D MENCHAN
CASE Category: 13 – PHYSICS

NAG 5 12028 **ALABAMA A&M UNIV** **1009**
CHARACTERIZING ELECTRO-OPTICAL PROPERTIES
04/24/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: M EDWARDS
Tech. Officer: GSFC/H A ABDELDAYEM
CASE Category: 13 – PHYSICS

NAG 5 12524 **ALABAMA A&M UNIV** **1010**
R&D REQUIRED TO PROVIDE ESSENTIAL INPUTS TO SUPPOR T DEVELOPMENT OF GUIDANCE & PRACTICES FOR CE
09/19/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: E E MOYERS
Tech. Officer: GSFC/K MCGILL
CASE Category: 22 – COMPUTER SCIENCE

NAG 8 1390 **ALABAMA A&M UNIV** **1011**
R/S ″BULK AND THIN FILM ORGANIC NONLINEAR OPTICAL CRYSTALS FOR DEVICES AND MICROGRAVITY PROCESSING″
07/23/1997 - 07/22/2001 FY02: -$43 Total: $199,957
Prin. Invest.: M D AGGARWAL
Tech. Officer: MSFC/D FRAZIER, MSFC/W J LOVE
CASE Category: 13 – PHYSICS

NAG 8 1497 **ALABAMA A&M UNIV** **1012**
COMPUTER MODEL OF THE TVC ELECTROMECHANICAL ACTUAT ACTUATOR
06/10/1999 - 08/15/2002 FY02: $0 Total: $252,865
Prin. Invest.: A BOND
Tech. Officer: MSFC/J MONTENEGRO
CASE Category: 45 – ELECTRICAL ENGR

NAG 8 1498 **ALABAMA A&M UNIV** **1013**
ELECTRO-OPTIC MODULATOR BASED ON ORGANIC PLANAR WAVEGUIDE INTEGRATED WITH PRISM COUPLER.
06/24/1999 - 05/30/2002 FY02: $0 Total: $240,000
Prin. Invest.: S SARKISOV
Tech. Officer: MSFC/B PENN
CASE Category: 13 – PHYSICS

NAG 8 1541 **ALABAMA A&M UNIV** **1014**
CYTOGENETIC INVESTIGATIONS INTO RADIOSENSITIVITY
07/17/1998 - 07/16/2003 FY02: $0 Total: $204,804
Prin. Invest.: D KALE
Tech. Officer: MSFC/R C RICHMOND
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1560 **ALABAMA A&M UNIV** **1015**
MATHEMATICAL SAFETY ANALYSIS
09/30/1999 - 09/30/2002 FY02: $0 Total: $199,912
Prin. Invest.: M A ELSHAMY
Tech. Officer: MSFC/D O FRAZIER
CASE Category: 21 – MATHEMATICS

NAG 8 1614 ALABAMA A&M UNIV 1016
RESEARCH ENTITLED: INVESTIGATION OF STRUCTURAL PROPERTIES OF COMPOSITE SMART MATERIALS .
09/09/1999 - 12/31/2002 FY02: $0 Total: $197,216
Prin. Invest.: A SHARMA
Tech. Officer: MSFC/G MYERS
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1620 ALABAMA A&M UNIV 1017
FASAT REACTION SPATIAL-TEMPORAL LIGHT MODULATORS FOR OPTICAL RECOGNITION AND IMAGE PROCESSING.
08/25/1999 - 08/30/2003 FY02: $99,895 Total: $286,287
Prin. Invest.: N KUKHATAREV, T KUHTEREVA
Tech. Officer: MSFC/B G PENN
CASE Category: 13 – PHYSICS

NAG 8 1623 ALABAMA A&M UNIV 1018
INNOVATIVE EXPLORATION OF SEMIORGANIC NONLINEAR OPTICAL MATERIALS FOR OPTICAL PROCESSING APPLIC.
09/24/1999 - 09/23/2003 FY02: $0 Total: $200,000
Prin. Invest.: M D AGGARWAL
Tech. Officer: MSFC/B PENN
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1624 ALABAMA A&M UNIV 1019
INVESTIGATION OF MICROBIAL LIFE IN PLAR ICE AND PERMA FROST
08/13/1999 - 09/14/2001 FY02: $0 Total: $100,000
Prin. Invest.: M G TADROS
Tech. Officer: MSFC/R HOOVER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1626 ALABAMA A&M UNIV 1020
RESEARCH ENTITLED: "HYPERSONIC NON-EQUILIBRIUM FLOWS WITH LOW REYNOLDS EFFECT"
09/16/1999 - 05/31/2002 FY02: $0 Total: $199,057
Prin. Invest.: G S LIAW
Tech. Officer: MSFC/L CHOU, MSFC/W J LOVE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1642 ALABAMA A&M UNIV 1021
HIGH SCHOOL/HIGH-TECH CAREER DEVELOPMENT PROGRAM IN MATHEMATICS, SCIENCE ENGINEERING, ADN TECH.
09/30/1999 - 09/29/2002 FY02: $0 Total: $195,360
Prin. Invest.: B CADY
Tech. Officer: MSFC/W LOVE
CASE Category: 21 – MATHEMATICS

NAG 8 1643 ALABAMA A&M UNIV 1022
ENHANCEMENT OF STUDENTS IN SCIENCE, ENGINEERING, AND MATHEMATICS.
09/27/1999 - 03/26/2002 FY02: $0 Total: $195,592
Prin. Invest.: E TEMPLE
Tech. Officer: MSFC/J DOWDY
CASE Category: 21 – MATHEMATICS

NAG 8 1655 ALABAMA A&M UNIV 1023
PRODUCTION OF ULTRA-LIGHT MIRRORS
03/20/2000 - 03/19/2001 FY02: $0 Total: $213,819
Prin. Invest.: D ILA
Tech. Officer: MSFC/W LOVE
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1800 ALABAMA A&M UNIV 1024
COMPUTATIONAL ANALYSIS OF ION TRAJECTORY IN PULSA MAGNETIC FLUX COMPRESSION REACTION
06/07/2001 - 06/30/2002 FY02: $0 Total: $29,719
Prin. Invest.: E W ROTHE, G P RECK
Tech. Officer: GRC/R C ANDERSON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1804 ALABAMA A&M UNIV 1025
RESEARCH, "NUMERICAL PREDUCATION OF DRAG OF AJAX TYPE VEHICLES
05/17/2001 - 05/15/2004 FY02: $0 Total: $60,000
Prin. Invest.: Z T DENG
Tech. Officer: MSFC/A CHOW
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1808 ALABAMA A&M UNIV 1026
RESEARCH, "WEAKLY IONIZED GAS CHARACTERISTICS AND EFFECT ON THE SHOCK WAVE STRUCTURE.
05/02/2001 - 04/15/2004 FY02: $0 Total: $95,000
Prin. Invest.: K X HO
Tech. Officer: MSFC/A CHOW
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1861 ALABAMA A&M UNIV 1027
DIRECTIONALLY SENSITIVE SILICON RADIATION SENSOR
05/20/2002 - 05/19/2003 FY02: $0 Total: $0
Prin. Invest.: K B COOK
Tech. Officer: MSFC/W T POWERS
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1095 ALABAMA A&M UNIV 1028
MICROBIAL VIABILITY AND BIOCIDE EFFICIENCY STUDIES FOR THE INTER SPACE STATION
03/31/1999 - 04/01/2003 FY02: $0 Total: $281,916
Prin. Invest.: M TADROS
Tech. Officer: JSC/D PIERSON, JSC/L AREMNDARIZ
CASE Category: 13 – PHYSICS

NAG10 245 ALABAMA A&M UNIV 1029
MISSION PLANNING AND RISK MANAGEMENT
04/06/1998 - 05/15/2002 FY02: $0 Total: $292,002
Prin. Invest.: M ELSHAMY
Tech. Officer: KSC/R TILLEY
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG10 324 ALABAMA A&M UNIV 1030
STUDENT PREPARATION AND PARTICIPATION IN INTERNSHI PS FOR APPLIED STATISTICIANS
09/03/2002 - 08/27/2003 FY02: $0 Total: $0
Prin. Invest.: E TEMPLE
Tech. Officer: KSC/G BUCKINGHAM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 736 ALABAMA A&M UNIV 1031
ALL OPTICAL MICRO MOTORS BASED ON MOVING GRATING IN PHOTO SENSITIVE MEDIA
09/30/1999 - 09/30/2002 FY02: $0 Total: $187,128
Prin. Invest.: D CURLEY
Tech. Officer: GRC/G ADAMOVSKY
CASE Category: 13 – PHYSICS

NCC 8 140 **ALABAMA A&M UNIV** **1032**
R/S "CENTER FOR HYDROLOGY, SOIL CLIMATOLOGY AND REMOTE SENS- ING (HSCARS)"
07/21/1997 - 12/31/2000 FY02: $0 Total: $3,853,109
Prin. Invest.: T L COLEMAN
Tech. Officer: MSFC/R ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 8 211 **ALABAMA A&M UNIV** **1033**
STUDEN LAUNCH INITIATIVE
03/23/2001 - 12/31/2002 FY02: $0 Total: $49,997
Prin. Invest.: R B LAL, G SHARMA, M MANMOHAN
Tech. Officer: MSFC/JR PRUITT
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 8 52902 **ALABAMA A&M UNIV** **1034**
FABRICATION & OPTICAL AND ELECTRICAL CHARACTERIZA- TION OF THE DIFFRACTIVE HOLOGRAPHIC OPTICAL ELEMN
05/25/2001 - 06/30/2005 FY02: $0 Total: $22,000
Prin. Invest.: J C WANG
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 13 – PHYSICS

NGT 8 52918 **ALABAMA A&M UNIV** **1035**
URBAN SPRAWL AND THE DEVELOPMENT OF A LEAPFROG INDEX
05/08/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: W MCALLISTER
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2120 **AUBURN UNIV** **1036**
TIAL JOINING SCIENCE AND TECHNOLOGY FOR ADVANCED A EROPRO- PULSION SYSTEM
02/11/1998 - 01/13/2002 FY02: $0 Total: $238,491
Prin. Invest.: W F GALE, J W FERGUS
Tech. Officer: GRC/R D NOEBE, GRC/M V NATHAL
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2597 **AUBURN UNIV** **1037**
DAMPING AND CONTROL OF MULTI-DIRECTION COMPOSITE FLYWHEELS
04/27/2001 - 11/05/2003 FY02: $0 Total: $61,044
Prin. Invest.: D GOWAYED
Tech. Officer: GRC/J TRUDELL
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2639 **AUBURN UNIV** **1038**
A STUDY OF THE EFFECTS OF GAMMA AND CHARGED PARTIC LE RADIATION ON SILICON CARBIDE DIODES AND METAL-
06/22/2001 - 03/31/2003 FY02: $0 Total: $87,203
Prin. Invest.: J R WILLIAMS
Tech. Officer: GRC/G E SCHWARZE
CASE Category: 13 – PHYSICS

NAG 3 2682 **AUBURN UNIV** **1039**
TRANSIENT LIQUID PHASE BONDING OF TIAL ALLOYS TRANSIENT LIQUID PHASE BONDING OF TIAL ALLOYS
01/04/2002 - 12/20/2002 FY02: $0 Total: $0
Prin. Invest.: W F GALE
Tech. Officer: GRC/S L DRAPER
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 8081 **AUBURN UNIV** **1040**
MAGNETIC RECONNECTION AND PARTICLE PRECIPITATION A CROSS THE MAGNETOPAUSE
01/21/1999 - 02/28/2003 FY02: $0 Total: $169,914
Prin. Invest.: D LIN
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 11121 **AUBURN UNIV** **1041**
RADIATION EFFECTS IN SIGE HBT BICMOS TECHNOLOGY
07/13/2001 - 01/31/2003 FY02: $0 Total: $65,000
Prin. Invest.: J D CRESSLER
Tech. Officer: GSFC/R REED
CASE Category: 13 – PHYSICS

NAG 5 12316 **AUBURN UNIV** **1042**
SINGLE-EVENT EFFECTS MODELING IN SIGE HBTS; NEW GR ANT
07/02/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: G NIU
Tech. Officer: GSFC/R REED
CASE Category: 13 – PHYSICS

NAG 8 1728 **AUBURN UNIV** **1043**
"GROUND SYSTEM-RECTENNA-SATELLITE INTERFACE ISSUES FOR SPACE SOLAR POW SYSTEMS"
06/09/2000 - 03/31/2001 FY02: $0 Total: $54,474
Prin. Invest.: S A MERRYMAN
Tech. Officer: MSFC/J HOWELL
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1806 **AUBURN UNIV** **1044**
RESEARCH, "X-33 ADVANCED GUIDANCE AND CONTROL PROJECT: SOFT- WARE REFINEMENTS FOR VERIFICATION..."
04/25/2001 - 03/15/2002 FY02: $0 Total: $32,188
Prin. Invest.: A S HODEL
Tech. Officer: MSFC/D R KRUP
CASE Category: 42 – ASTRONAUTICAL ENGR

NAS 3 99200 **AUBURN UNIV** **1045**
EFFECTS OF HYPERVELOCITY IMPACTS ON HIGH VOLTAGE S OLAR ARRAYS
09/17/1999 - 10/31/2000 FY02: $0 Total: $124,781
Prin. Invest.: H W BRANDHORST
Tech. Officer: GRC/P J GEORGE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 8 98249 **AUBURN UNIV** **1046**
DEVELOPMENT AND PACKAGING OF SUPERCAPACITORS FOR LAUNCH VEHICLE APPLICATIONS
09/10/1998 - 07/06/2002 FY02: $0 Total: $523,572
Prin. Invest.: S A MERRYMAN, Z CHEN
Tech. Officer: MSFC/D K HALL, MSFC/T M EDGE
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 511 **AUBURN UNIV** **1047**
CENTER FOR THE COMMERCIAL DEVELOPMENT OF SPACE: SPACE POWER & ADVANCED ELECTRONICS
11/01/1996 - 10/31/2002 FY02: $0 Total: $4,620,501
Prin. Invest.: D W BRANDHORST, JR., M F ROSE
Tech. Officer: GRC/J E DUDENHOEFER, GRC/R J SOVIE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 864 **AUBURN UNIV** **1048**
COUPLED RADIATION/THERMOPHORESUS EFFECTS IN SOOTIN G MICRO-GRAVITY FLAMES
02/20/2001 - 12/20/2004 FY02: $0 Total: $49,167
Prin. Invest.: D W MACKOWSKI
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 46 – MECHANICAL ENGR

NCC 5 333 **AUBURN UNIV** **1049**
SOIL ORGANIC MATTER FLUXES IN AMAZONIAN FORESTS: N ATURAL VS INTENSIVELY MANAGED SYSTEMS
06/17/1998 - 12/31/2001 FY02: $0 Total: $225,482
Prin. Invest.: K MCNABB
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 459 **AUBURN UNIV** **1050**
CENTER FOR SPACE POWER AND ADVANCED ELECTRONICS
03/01/2000 - 01/31/2002 FY02: $0 Total: $1,030,000
Prin. Invest.: H W BRANDHORST
Tech. Officer: GSFC/D BRUNNER
CASE Category: 11 – ASTRONOMY

NCC 8 128 **AUBURN UNIV** **1051**
FOR RESEARCH: "AUBURN COMMERCIAL SPACE CENTER FOR THE SOLIDIFICATION DESIGN/CASTNET PROGRAM"
01/28/1997 - 01/31/2002 FY02: $0 Total: $8,322,924
Prin. Invest.: R A OVERFELT
Tech. Officer: MSFC/S LAMBING
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 8 151 **AUBURN UNIV** **1052**
GLOBAL CHANGE R/S EDUCATION & OUTREACH RELATED TO THE EARTH'S SURFACE RESOURCES AND HYDROLOGIC CYCLE
06/30/1998 - 03/31/2003 FY02: $0 Total: $493,343
Prin. Invest.: U HATCH
Tech. Officer: MSFC/J R ARNOLD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 8 237 **AUBURN UNIV** **1053**
PROMOTE COMMERCIALLY FUNDED RESCH & DEV IN THE FIELD OF SPACE POWER AND ADV ELECTRONICS
01/09/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: H BRANDHORST, JR
Tech. Officer: MSFC/S LAMBING
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 240 **AUBURN UNIV** **1054**
ROMOTE COMMERCIALLY FUNDED RESEARCH AND TECH DEV. IN THE FIELD OF SOLIDIFICATION DESIGN
01/08/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: R A OVERFELT
Tech. Officer: MSFC/J SAMS
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 247 **AUBURN UNIV** **1055**
RESEARCH AND DEVELOPMENT, NSSTC
02/06/2002 - 02/05/2007 FY02: $0 Total: $0
Prin. Invest.: C MORIARTY
Tech. Officer: MSFC/S COLEMAN, MSFC/J SIMONDS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 02015 **AUBURN UNIV** **1056**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/20/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M E BAGINSKI, D L FAIRCLOTH
Tech. Officer: LARC/M DESHPANDE
CASE Category: 45 – ELECTRICAL ENGR

NGT 1 52205 **AUBURN UNIV** **1057**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
09/04/1998 - 06/30/2001 FY02: -$1 Total: $65,999
Prin. Invest.: M L WALLER, T H SHUMPERT, S M RAO
Tech. Officer: LARC/F B BECK, LARC/M C BAILEY
CASE Category: 45 – ELECTRICAL ENGR

NGT 8 52851 **AUBURN UNIV** **1058**
ADVANCED METHOD FOR VIBRATION ANALYSIS OF HIGH SPEED ROTOR SYSTEMS
07/21/1998 - 12/31/2001 FY02: $0 Total: $60,500
Prin. Invest.: G T FLFOWERS
Tech. Officer: MSFC/J F DOWDY
CASE Category: 46 – MECHANICAL ENGR

NGT 8 52870 **AUBURN UNIV** **1059**
OPTIMAL APPLICATION OF COMBUSTION TEST DATA TO FLAMABILITY ASSESSMENT IN GASEOUS OXYGEN
07/27/1998 - 08/15/2002 FY02: $0 Total: $66,000
Prin. Invest.: P D JONES
Tech. Officer: MSFC/J F DOWDY
CASE Category: 46 – MECHANICAL ENGR

NGT 8 52904 **AUBURN UNIV** **1060**
CLOSED LOOP ROBUST CONTROL ALLOCATION FOR AEROSPAC VEHICLE RELIABLE STABILITY AND PERFORMANCE
05/25/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: A S HODEL
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 11870 **BIRMINGHAM SOUTHERN COLL** **1061**
INVESTIGATIONS OF COMPRESSIONAL SOLUTIONS FOR THE IO CURRENT WING
04/04/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: D PONTIUS
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12251 **JACKSONVILLE STATE UNIV** **1062**
VON BRAUN SCHOLARS PROGRAM
05/30/2002 - 05/31/2004 FY02: $0 Total: $0
Prin. Invest.: T HUDDLESTON
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1330 **JACKSONVILLE STATE UNIV** **1063**
DECODING EMG SIGNALS TO REDUCE LATENCY IN VE APPLI CATIONS
03/29/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: M AGUILAR
Tech. Officer: ARC/Y BARNIV
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11986 LAWSON STATE COMM COLL 1064
INFUSING TECHNOLOGY, ENGINEERING, MATHEMATICS, AND SCIENCE IN THE DUAL ENROLLMENT/ACCELERATED STUDEN
04/26/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: B CRAWFORD
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1871 LAWSON STATE COMM COLL 1065
GIRLS LEADING OTHERS BY EXAMPLE (GLOBE) PROJECT
06/06/2002 - 06/05/2003 FY02: $0 Total: $0
Prin. Invest.: B CRAWFORD
Tech. Officer: MSFC/W J LOVE
CASE Category: 76 – SOCIOLOGY

NAG 8 1653 OAKWOOD COLL 1066
MINORITY STUDENT DEVELOPMENT PROGRAM IN SCIENCE & ENGINEERING
02/03/2000 - 02/04/2003 FY02: $0 Total: $200,000
Prin. Invest.: E GWEBU
Tech. Officer: MSFC/W LOVE
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1734 OAKWOOD COLL 1067
DEVELOPMENT OF ULTRA-LIGHT NORMAL INCIDENCE MIRROR ELECTOR-CHEMICAL ASPECTS
08/18/2000 - 08/17/2003 FY02: $0 Total: $100,000
Prin. Invest.: A VOLKOV
Tech. Officer: MSFC/W BRANTLEY
CASE Category: 12 – CHEMISTRY

NAG 8 1868 OAKWOOD COLL 1068
EVALUATION OF NUMERICAL TECHNIQUES FOR MGD PROPUL- SION SIMULATION
08/19/2002 - 08/18/2003 FY02: $0 Total: $0
Prin. Invest.: A OSEI
Tech. Officer: MSFC/W LOVE, MSFC/E ORDONEZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1888 OAKWOOD COLL 1069
ENHANCING MATHEMATICS AND SCIENCE EDUCATION THUR RESEARCH (EMSER)
09/27/2002 - 09/26/2006 FY02: $0 Total: $0
Prin. Invest.: A OSEI
Tech. Officer: MSFC/W LOVE
CASE Category: 21 – MATHEMATICS

NCC 1 02033 OAKWOOD COLL 1070
2002 PRE SERVICE TEACHER INST (PSTI)
06/14/2002 - 09/13/2002 FY02: $0 Total: $0
Prin. Invest.: F BLISS
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1866 STILLMAN COLL 1071
PROJECT MI FUTURO
07/11/2002 - 07/11/2005 FY02: $0 Total: $0
Prin. Invest.: H PRADO, M D GREEN
Tech. Officer: MSFC/E S ORDONEZ
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 8 1610 TRENHOLM STATE TECHNICAL COLL 1072
NASA HIGH SCHOOL SCIENCE ENRICHMENT PROGRAM (HSSEP)
06/07/1999 - 06/06/2002 FY02: $0 Total: $300,000
Prin. Invest.: C THOMPSON
Tech. Officer: MSFC/W LOVE, MSFC/A C BEAM
CASE Category: 21 – MATHEMATICS

NAG 2 6049 TUSKEGEE UNIV 1073
NASA'S SLSTP ACADEMIC PARTNER ALLIANCE (NSAPA)
04/16/2001 - 03/31/2003 FY02: $0 Total: $180,691
Prin. Invest.: W A HILL, C E MORRIS
Tech. Officer: ARC/P X CALLAHAN, ARC/K A SOUZA
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 3 2127 TUSKEGEE UNIV 1074
STUDY OF ELECTRICAL CONTACTS AND DEVICES IN ADVANC ED SEMI-CONDUCTORS
02/13/1998 - 07/31/2001 FY02: $0 Total: $299,637
Prin. Invest.: K K DAS
Tech. Officer: GRC/S A ALTEROVITZ
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2347 TUSKEGEE UNIV 1075
SPUTTERING EROSION IN THE ION THRUSTER SPUTTERING EROSION IN THE ION THRUSTER
03/09/2000 - 10/31/2001 FY02: $0 Total: $45,000
Prin. Invest.: D K RAY
Tech. Officer: GRC/M A MANTENIEKS
CASE Category: 13 – PHYSICS

NAG 3 2432 TUSKEGEE UNIV 1076
POLYMIDE BASED NANOCOMPOSITES FOR AFFORDABLE SPACE TRANS-PORT
06/23/2000 - 04/16/2003 FY02: $0 Total: $200,000
Prin. Invest.: D DEAN
Tech. Officer: GRC/S CAMPBELL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2654 TUSKEGEE UNIV 1077
SURVIVABILITY OF AFFORDABLE HIGH TEMPERATURE POLYM ER MATRIX COMPOSITES FOR PROPULSION ENGINE COMPON
01/31/2002 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: D HAGUE
Tech. Officer: GRC/M A MEADOR
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2667 TUSKEGEE UNIV 1078
A NONLINEAR MODEL FOR FUEL ATOMIZATION IN SPRAY CO MBUSTION
12/11/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: D A IBRAHIM
Tech. Officer: GRC/N LIU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 169 TUSKEGEE UNIV 1079
EFFECTS OF ABOVE REAL TIME TRAINING
05/17/1999 - 05/31/2001 FY02: -$208 Total: $68,503
Prin. Invest.: S FIRASAT ALI
Tech. Officer: DFRC/K A NORLIN, DFRC/R BINKLEY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 201 TUSKEGEE UNIV 1080
DURABILITY ASSESSMENT OF AIRFRAME COMPOSITE REPAIR PATCHES
02/15/2000 - 09/30/2002 FY02: $0 Total: $120,000
Prin. Invest.: H A AGLAN
Tech. Officer: DFRC/M W KEHOE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 203 TUSKEGEE UNIV 1081
EFFECTS OF SELF-INSTRUCTIONAL METHODS AND ABOVE RE AL TIME TRAINING (ARTT) FOR MANEUVERING TASKS ON
03/03/2000 - 02/28/2003 FY02: $0 Total: $52,447
Prin. Invest.: D ALI
Tech. Officer: DFRC/K NORLIN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 226 TUSKEGEE UNIV 1082
DEVELOPMENT AND ASSESSMENT OF A NOVEL TRAINING PAC KAGE FOR BASIC MANEUVERING TASKS ON A FLIGHT SIMU
03/25/2002 - 03/21/2005 FY02: $0 Total: $0
Prin. Invest.: S F ALI
Tech. Officer: DFRC/K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10535 TUSKEGEE UNIV 1083
SOY RESEARCH PILOT STUDY
03/08/2001 - 09/14/2002 FY02: $0 Total: $20,000
Prin. Invest.: R D PACE
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1408 TUSKEGEE UNIV 1084
2002 NASA/TUSKEGEE UNIV INTERNSHIP PRGRM
07/16/2002 - 07/15/2003 FY02: $0 Total: $0
Prin. Invest.: D MORTLEY
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 55 – AGRICULTURE

NAG10 209 TUSKEGEE UNIV 1085
SWEETPOTATO STEM CUTTING DATABASE IN PREPARATION FOR FLIGHT
09/01/1997 - 02/28/2002 FY02: $0 Total: $295,346
Prin. Invest.: D MARTLEY
Tech. Officer: KSC/R WHEELER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG10 253 TUSKEGEE UNIV 1086
EVAL OF FIRE EXTINGUISHING HALON COMPOUNDS
02/01/1999 - 12/31/2002 FY02: $0 Total: $302,507
Prin. Invest.: N VAHDAT
Tech. Officer: KSC/M COLLINS
CASE Category: 43 – CHEMICAL ENGR

NAG10 256 TUSKEGEE UNIV 1087
TUSKEGEE UNIV GATEWAY ACHIEVEMENT PROGRAM
03/01/1999 - 03/01/2002 FY02: $0 Total: $257,306
Prin. Invest.: C DAVIS
Tech. Officer: KSC/R MCKINNEY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 281 TUSKEGEE UNIV 1088
NASA SPACEFLIGHT AND LIFE SCIENCES TRAINING PROGRA M
04/25/2000 - 06/18/2003 FY02: $0 Total: $620,025
Prin. Invest.: D HILL
Tech. Officer: KSC/S POTTER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG10 298 TUSKEGEE UNIV 1089
STARSAT 12000 TESTING TACTICS AND STRATEGIES STARSAT 12000 TESTING TACTICS AND STRATEGIES
04/27/2001 - 08/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: H J FINDLAY
Tech. Officer: KSC/C D BLACK
CASE Category: 79 – SOCIAL SCIENCE, OTHER

NCC 3 591 TUSKEGEE UNIV 1090
HIGH TEMPERATURE FATGUE AND CREEP BEHAVIOR OF CERA MIC MATRIX COMPOSITES FOR EXHAUST NOZZLE APPLICAT
03/11/1998 - 06/30/2001 FY02: $0 Total: $362,435
Prin. Invest.: A HAQUE, H MAHFUZ, U VAIDA
Tech. Officer: GRC/M J VERILLE, GRC/J E GRADY
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 5 346 TUSKEGEE UNIV 1091
CENTER FOR LIDAR AND ATMOSPHERIC SCIENCES STUDENTS
07/01/1998 - 02/28/2002 FY02: $0 Total: $1,488,578
Prin. Invest.: N O EGIEBOR
Tech. Officer: HQ/B WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 8 234 TUSKEGEE UNIV 1092
PROVIDE FUNDING FOR YEAR 4 OF COOP AGREEMENT NCC5-346
09/05/2001 - 07/31/2003 FY02: $499,900 Total: $499,900
Prin. Invest.: N O EGREFOR
Tech. Officer: MSFC/C TERRELL, MSFC/W LOVE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 9 51 TUSKEGEE UNIV 1093
CENTER FOR FOOD & ENVIRON SYS ...(CFESH)
07/31/1997 - 12/31/2002 FY02: $0 Total: $5,225,000
Prin. Invest.: W A HILL
Tech. Officer: JSC/D BARTA
CASE Category: 62 – PSYCHOLOGY SOCIAL ASPECTS

NAG 3 2560 UNIV OF ALABAMA - BIRMINGHAM 1094
MAGNETICALLY ASSISTED COMBUSTION EXPERIMENT (MACE)
03/22/2001 - 05/17/2002 FY02: $0 Total: $20,000
Prin. Invest.: J BAKER
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 4853 UNIV OF ALABAMA - BIRMINGHAM 1095
FORMATION OF THE HYDROCARBONS OF CARBONACEOUS CHON
07/23/1997 - 09/30/2002 FY02: $0 Total: $130,412
Prin. Invest.: D WDOWIAK
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 6815 UNIV OF ALABAMA - BIRMINGHAM 1096
INVESTIGATION OF THE CONTRIBUTION OF POLYCYCLIC AR OMATIC HYDROCARBONS TO INTERSTELLAR ULTRAVIOLET E
01/05/1998 - 12/31/2001 FY02: $0 Total: $76,492
Prin. Invest.: T WDOWIAK
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 8786 UNIV OF ALABAMA - BIRMINGHAM 1097
DEVELOPMENT OF HIGH AFFINITY SENSORS FOR BIOLOGICAL PATHO-GENS
09/02/1999 - 09/30/2001 FY02: $0 Total: $800,000
Prin. Invest.: L DELUCAS
Tech. Officer: GSFC/E PAYLOR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8819 UNIV OF ALABAMA - BIRMINGHAM 1098
THE IR EMITTING AROMATIC COMPONENT OF THE INTERSTE LLAR AND CIRCUMSTELLAR MEDIUMS
09/07/1999 - 07/31/2003 FY02: $0 Total: $115,460
Prin. Invest.: T WDOWIAK
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9424 UNIV OF ALABAMA - BIRMINGHAM 1099
TOF MS IN SITU PLANETARY SCIENCE AND EXOBIOLOGY ON EUROPA
04/17/2000 - 04/30/2003 FY02: $0 Total: $248,738
Prin. Invest.: T WDOWIAK
Tech. Officer: GSFC/B BETTS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10694 UNIV OF ALABAMA - BIRMINGHAM 1100
NEAR-CRITICAL WATER AQUEOUS ALTERATION PROCESSES IN PLAN-ETESIMALS
04/16/2001 - 04/14/2002 FY02: $0 Total: $15,000
Prin. Invest.: T WDOWWIAK
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11146 UNIV OF ALABAMA - BIRMINGHAM 1101
STRUCTURE-BASED DRUG DESIGN AND EVALUATION OF NATURAL COM-POUNDS AGAINST CHAGAS'DISEASE
08/09/2001 - 09/30/2003 FY02: $0 Total: $997,800
Prin. Invest.: L J DELUCAS
Tech. Officer: GSFC/L P CHAMBERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11267 UNIV OF ALABAMA - BIRMINGHAM 1102
DEVELOPMENT OF HIGH AFFINITY SENSORS FOR BIOLOGICA L PATHO-GENS
09/26/2001 - 11/30/2002 FY02: $0 Total: $9,000
Prin. Invest.: L DELUCAS
Tech. Officer: GSFC/E PAYLOR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1228 UNIV OF ALABAMA - BIRMINGHAM 1103
THE EFFECT OF CONVECTION ON MORPHOLOGICAL STABILI- TY
05/01/1996 - 11/30/2001 FY02: $0 Total: $420,000
Prin. Invest.: J B ANDREWS
Tech. Officer: MSFC/P DOTY, MSFC/R POWER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1678 UNIV OF ALABAMA - BIRMINGHAM 1104
RESEARCH "CONTROLLED SYNTESIS OF NANOPARTICLES USING BLOCK COPOLYMERS: NANOREACTORS IN MIRCOGRAVI
04/11/2000 - 10/10/2003 FY02: $0 Total: $154,500
Prin. Invest.: J W MAYS
Tech. Officer: MSFC/P M DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 8 02062 UNIV OF ALABAMA - BIRMINGHAM 1105
"IMPROVED REAL FLUIDS MODEL FOR THE FDNS 550 CDF"
05/13/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: G CHENG
Tech. Officer: MSFC/K TUCKER
CASE Category: 22 – COMPUTER SCIENCE

NAS 8 40189 UNIV OF ALABAMA - BIRMINGHAM 1106
PROTEIN CRYSTAL GROWTH IN MICROGRAVITY
04/01/1994 - 06/30/2004 FY02: $0 Total: $22,629,136
Prin. Invest.: L J DELUCAS
Tech. Officer: MSFC/D K COLLINS
CASE Category: 59 – LIFE SCIENCE, OTHER

NAS 8 99059 UNIV OF ALABAMA - BIRMINGHAM 1107
R/S COUPLED GROWTH IN HYPERMONOTECTICS
01/22/1999 - 06/22/2003 FY02: $0 Total: $968,323
Prin. Invest.: J B ANDREWS
Tech. Officer: MSFC/R KING
CASE Category: 13 – PHYSICS

NCC 8 126 UNIV OF ALABAMA - BIRMINGHAM 1108
FOR RES:"CONTINUATION OF SUPPORT FOR COMMERCIAL SPACE CTR, CTR FOR MACROMOLECULAR CRYSTALLOGRAPHY"
01/27/1997 - 09/30/2002 FY02: $38,698 Total: $37,538,945
Prin. Invest.: L J DELUCAS
Tech. Officer: MSFC/S LIDE, MSFC/S LAMBIHG
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 8 172 UNIV OF ALABAMA - BIRMINGHAM 1109
"MICROGRAVITY CRYSTAL GROWTH STUDIES OF MEDICALLY REVELANT MACROMOLECULES"
02/11/1999 - 09/30/2002 FY02: $0 Total: $799,512
Prin. Invest.: L J DELUCAS
Tech. Officer: MSFC/T OWEN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 8 204 UNIV OF ALABAMA - BIRMINGHAM 1110
STRUCTURAL FLUCTUATIONS & THERMOPHYSICAL PROPOER- TIES OF MOLTEN II - IV COMPOUNDS
07/14/2000 - 11/30/2003 FY02: $0 Total: $42,969
Prin. Invest.: R SCRIPA
Tech. Officer: MSFC/C HUA SU
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 8 246 UNIV OF ALABAMA - BIRMINGHAM 1111
PROMOTE COMMERCIALLY FUNDED RESEARCH AND TECHNLGY DEVEL-OPMENT IN THE FIELD OF BIOPHYSICAL AND ENG
01/29/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: L DELUCAS
Tech. Officer: MSFC/J WEST
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 8 248 UNIV OF ALABAMA - BIRMINGHAM 1112
RESEARCH AND DEVELOPEMNT, NSSTC
02/08/2002 - 02/07/2007 FY02: $0 Total: $0
Prin. Invest.: J F LORDEN
Tech. Officer: MSFC/S COLEMAN, MSFC/B HARPER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50409 UNIV OF ALABAMA - BIRMINGHAM 1113
THE EFFECTS OF MICROGRAVITY ON FIBROBLAST MIGRATIO N AND THY-SURFACE EXPRESSION. STUDENT: THOM
07/29/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: J HAGOOD
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52845 UNIV OF ALABAMA - BIRMINGHAM 1114
GRADUATE STUDENT RESEARCH PROGRAM FELLOWSHIP
09/12/1997 - 02/11/2001 FY02: -$31 Total: $65,969
Prin. Invest.: C M LAWSON
Tech. Officer: MSFC/J F DOWDY, MSFC/J R PRUITT
CASE Category: 13 – PHYSICS

NAG 1 2026 UNIV OF ALABAMA - HUNTSVILLE 1115
AEROSOL RETRIEVALS FROM HIGH RESOLUTION BROADBAND ATMOS SOLAR OCCULATION SPECTRA
03/19/1998 - 12/31/2001 FY02: $0 Total: $201,001
Prin. Invest.: M J NEWCHURCH
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2204 UNIV OF ALABAMA - HUNTSVILLE 1116
OZONE TRENDS IN SAGE, HALOE, TOMS, UMKEHR, AND LIDAR MEASUREMENTS (NRA-98-OES-04)
06/11/1999 - 06/30/2002 FY02: $0 Total: $275,066
Prin. Invest.: M J NEWCHURCH
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01008 UNIV OF ALABAMA - HUNTSVILLE 1117
NUMERICAL STUDY OF BLAST WAVES GENERATED DURING LAUNCH VEHICLE TAKE-OFF & SUPPRESSION BY WATER ADD
02/06/2001 - 01/31/2004 FY02: $0 Total: $54,637
Prin. Invest.: K FRENDI
Tech. Officer: LARC/B A SINGER, LARC/R J SILCOX
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02073 UNIV OF ALABAMA - HUNTSVILLE 1118
INCREASED AVIATION SAFETY THRU IMPROVED COMPOSITE MATERIALS C EARMARK #11
04/03/2002 - 04/02/2005 FY02: $0 Total: $0
Prin. Invest.: F C WESSLING
Tech. Officer: LARC/C M BELCASTRO
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2285 UNIV OF ALABAMA - HUNTSVILLE 1119
STUDY OF THE STRUCTURE COMPOSITION AND ELECTRICAL PROPERTIES OF SILICON CARBIDEEPITAXIAL FILMS FOR
08/04/1999 - 06/30/2002 FY02: $0 Total: $30,909
Prin. Invest.: D A GEORGE
Tech. Officer: GRC/D J LARKIN
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 4268 UNIV OF ALABAMA - HUNTSVILLE 1120
THERMAL STRUCTURE AND COMPOSITION OF THE INNER MAG
03/25/1997 - 05/14/2001 FY02: $0 Total: $189,325
Prin. Invest.: D H COMFORT
Tech. Officer: GSFC/J BOHLIN
CASE Category: 13 – PHYSICS

NAG 5 4608 UNIV OF ALABAMA - HUNTSVILLE 1121
ION ACCELERATION AND ABUNDANCE ENHANCEMENTS IN IMP
05/20/1997 - 12/31/2001 FY02: $0 Total: $105,000
Prin. Invest.: P A MILLER
Tech. Officer: GSFC/J A LING
CASE Category: 11 – ASTRONOMY

NAG 5 5273 UNIV OF ALABAMA - HUNTSVILLE 1122
PHASE 1 OF THOR PROJECT PHAS 1 OF THOR PROJECT
04/17/2000 - 04/13/2006 FY02: $0 Total: $281,000
Prin. Invest.: J DIMMOCK
Tech. Officer: GSFC/D L PIERCE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 5298 UNIV OF ALABAMA - HUNTSVILLE 1123
SCINTILLATING FIBER TELESCOPE FOR ENERGETIC RADIATION, GAMMA-RAY APPLICATIONS (SIFTER)
06/12/2000 - 06/30/2002 FY02: $0 Total: $130,000
Prin. Invest.: PENDLETON
Tech. Officer: WFF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 6986 UNIV OF ALABAMA - HUNTSVILLE 1124
QUANTIFICATION OF CHANGES IN THEMOSPHERIC 0/N2 FRO M OBSERVATIONS OF UV AIRGLOW AND AURORA
02/10/1998 - 03/31/2001 FY02: $0 Total: $228,256
Prin. Invest.: G A GERMANY
Tech. Officer: GSFC/M MELLOTT
CASE Category: 11 – ASTRONOMY

NAG 5 7269 UNIV OF ALABAMA - HUNTSVILLE 1125
DERIVATION OF TROPOSPHERIC OZONE CLIMATOLOGY AND T RENDS FROM TOMS DATA
05/07/1998 - 05/14/2002 FY02: $0 Total: $259,246
Prin. Invest.: M NEWCHURCH
Tech. Officer: GSFC/S CHANDRA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7270 UNIV OF ALABAMA - HUNTSVILLE 1126
VALIDATION AND INTERCOMPARISON OF TOMS AEROSOL PRO DUCTS USING SATELLITE AND GROUND BASED MEASUREMEN
04/22/1998 - 09/30/2003 FY02: $0 Total: $227,500
Prin. Invest.: S A CHRISTOPHER
Tech. Officer: GSFC/J R HERMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7811 UNIV OF ALABAMA - HUNTSVILLE 1127
A NEW GRB DURATION MEASURE AND ITS APPLICATIONS TO COSMOLOGICAL INVARIANT PARAMETERS
11/12/1998 - 11/30/2000 FY02: $0 Total: $15,000
Prin. Invest.: R PREECE
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 7927 UNIV OF ALABAMA - HUNTSVILLE 1128
RELATIVISTIC ASTROPHYSICS IN BLACK HOLE AND LOW-MA SS NEUTRON STAR X-RAY BINARIES_- LTSA98
01/12/1999 - 01/14/2004 FY02: $0 Total: $96,600
Prin. Invest.: S ZHANG
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7972 UNIV OF ALABAMA - HUNTSVILLE 1129
TESTING THE PHYSICAL MECHANISMS OF GAMMA-RAY BURST S WITH MULTI-INSTRUMENT TIME-RESOL
12/22/1998 - 12/31/2004 FY02: $0 Total: $267,013
Prin. Invest.: M S BRIGGS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7991 UNIV OF ALABAMA - HUNTSVILLE 1130
AN EMPIRICAL MODEL OF CORONAL HEATING DEDUCED FROM SOHO OBSERVATIONS OF TRANSFITION REGION DYNAM
01/05/1999 - 01/31/2002 FY02: $0 Total: $166,538
Prin. Invest.: G EMSLIE
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8011 UNIV OF ALABAMA - HUNTSVILLE 1131
GROUND-LEVEL SOLAR COSMIC RAY DATA FROM SOLAR CYCL E 19
01/13/1999 - 03/31/2002 FY02: $0 Total: $57,000
Prin. Invest.: M SHEA
Tech. Officer: GSFC/J H BREDEKAMP
CASE Category: 11 – ASTRONOMY

NAG 5 8034 UNIV OF ALABAMA - HUNTSVILLE 1132
UAH ANALYSIS OF TIDE/PSI DATA FOR ISTP SOLAR MAXIM UM EXTENDED MISSION
01/19/1999 - 04/30/2002 FY02: $0 Total: $307,862
Prin. Invest.: H COMFORT
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 11 – ASTRONOMY

NAG 5 8210 UNIV OF ALABAMA - HUNTSVILLE 1133
TOWARDS AN UNDERSTANDING OF THE LUMINOUS SOFT EXCE SS EMISSION FROM CLUSTERS OF GALAXIES (ADP9
02/25/1999 - 02/28/2003 FY02: $0 Total: $118,486
Prin. Invest.: R LIEU
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8234 UNIV OF ALABAMA - HUNTSVILLE 1134
BASTE TRIGGERED MULTIWAVELENGTH OBSERVATIONS OF TH E GALAC-TIC SUPERLUMINAL SOURCES GRO J1655-40 AND
03/03/1999 - 02/14/2002 FY02: $0 Total: $23,779
Prin. Invest.: C ROBINSON
Tech. Officer: GSFC/J SWANK
CASE Category: 11 – ASTRONOMY

NAG 5 8303 UNIV OF ALABAMA - HUNTSVILLE 1135
RESTORATION, ENHANCEMENT, AND DISTRIBUTION OF THE ATLAS-1 IM-AGING SPECTROMETRICOBSERVATORY (ISO)
03/05/1999 - 09/14/2001 FY02: $0 Total: $221,869
Prin. Invest.: G A GERMANY
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 11 – ASTRONOMY

NAG 5 8440 UNIV OF ALABAMA - HUNTSVILLE 1136
BROAD BAND LONG TERM MONITORING OF X-RAY BURSTERS
04/01/1999 - 01/31/2001 FY02: $0 Total: $14,700
Prin. Invest.: S ZHANG
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 8480 UNIV OF ALABAMA - HUNTSVILLE 1137
STOCHASTIC PARTICLE ACCELERATION IN IMPULSIVE SOLA RE FLARES
04/29/1999 - 12/31/2000 FY02: $0 Total: $112,181
Prin. Invest.: J J MILLER
Tech. Officer: GSFC/W J WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 8523 UNIV OF ALABAMA - HUNTSVILLE 1138
MULTIWAVELENGTH EXAMINATION OF GALACTIC SUPERLUMIN AL JET SOURCES (LTSA98
05/27/1999 - 05/31/2004 FY02: $0 Total: $220,560
Prin. Invest.: S ZHANG
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8956 UNIV OF ALABAMA - HUNTSVILLE 1139
SEARCH FOR UV EMISSION LINES FROM THE WARM INTRA CLUSTER MEDIUM - FUSE
01/24/2000 - 01/31/2002 FY02: $0 Total: $36,200
Prin. Invest.: R LIEU
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9045 UNIV OF ALABAMA - HUNTSVILLE 1140
STUDIES OF ACCRETING NEUTRON STARS WITH RXTE CYCLE 4 OBS, II: TOO OBSERVATIONSOF TRANSIENT LOW-MAS
02/25/2000 - 02/28/2001 FY02: $0 Total: $42,293
Prin. Invest.: W PACIESAS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9183 UNIV OF ALABAMA - HUNTSVILLE 1141
DIAGNOSING THE SOFT EXCESS EMISSION OF A1795 CLUST ER OF GALAXIES - BEPPOSAX BROAD BAND IMAGING
03/07/2000 - 03/14/2002 FY02: $0 Total: $40,482
Prin. Invest.: R LIEU
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9200 UNIV OF ALABAMA - HUNTSVILLE 1142
INVESTIGATION OF THERMOSPHERIC & IONOSPHERIC CHANGES DURN-ING IONOSPHERIC STORMSWITH SATELLITE
03/09/2000 - 03/14/2003 FY02: $0 Total: $157,408
Prin. Invest.: P RICHARDS
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9292 UNIV OF ALABAMA - HUNTSVILLE 1143
STUDIES OF ACCRETING BLACK HOLES WITH RXTE (CYCLE 4 OBSERVATIONS)-ADP99
03/20/2000 - 03/31/2001 FY02: $0 Total: $22,593
Prin. Invest.: W PACIESAS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9397 UNIV OF ALABAMA - HUNTSVILLE 1144
THREE-DIMENSIONAL KINETIC SIMULATIONS OF THE COMBI NED CROSS-CURRENT AND TEARING MODE INSTABILITIES
04/05/2000 - 09/30/2001 FY02: $0 Total: $16,500
Prin. Invest.: N SINGH
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9508 UNIV OF ALABAMA - HUNTSVILLE 1145
ANALYSES OF EIT/LASCO OBSERVATIONS USING AVAILABLE MHD MODELS: INVESTIGATION OFCME INITIATION
04/25/2000 - 05/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: S WU
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9585 UNIV OF ALABAMA - HUNTSVILLE 1146
EARTH SCIENCE MARKUP LANGUAGE
05/19/2000 - 05/14/2002 FY02: $0 Total: $335,000
Prin. Invest.: D GRAVES
Tech. Officer: GSFC/J BEHNKE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 9598 UNIV OF ALABAMA - HUNTSVILLE 1147
PRODUCTION OF LOOP-TOP HARD X-RAY EMISSION
05/15/2000 - 04/30/2003 FY02: $0 Total: $68,695
Prin. Invest.: J K MILLER
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9686 UNIV OF ALABAMA - HUNTSVILLE 1148
BATSE/SAX & BATSE/RXTE-ASM JOINT SPECTRAL STUDIES OF GRBS
06/05/2000 - 06/14/2001 FY02: -$198 Total: $9,802
Prin. Invest.: W PACIESAS
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 9741 UNIV OF ALABAMA - HUNTSVILLE 1149
PROPERTIES OF CUSP DIAMAGNETIC CAVITIES
06/21/2000 - 06/30/2002 FY02: $0 Total: $69,999
Prin. Invest.: R SHELDON
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9923 UNIV OF ALABAMA - HUNTSVILLE 1150
THERMAL & NONTHERMAL EMMISSION FROM THE INTRACLUST ER MEDIUM OF A 2199
09/05/2000 - 09/14/2002 FY02: $0 Total: $7,600
Prin. Invest.: R LIEU
Tech. Officer: GSFC/P M ATKINS
CASE Category: 11 – ASTRONOMY

NAG 5 10009 UNIV OF ALABAMA - HUNTSVILLE 1151
PULSARS OLD AND CLOSE IN SPACE: HOT POLAR-CAPS OR MAGNETOSPHERIC EMISSION
09/25/2000 - 09/30/2001 FY02: $0 Total: $8,600
Prin. Invest.: S N ZHANG
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10012 UNIV OF ALABAMA - HUNTSVILLE 1152
PROBING THE X-RAY EMISSION MECHANISMS OF RECYCLED- PULSARS: PSR J0034-0534
09/25/2000 - 09/30/2002 FY02: $0 Total: $6,600
Prin. Invest.: S N ZHANG
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10134 UNIV OF ALABAMA - HUNTSVILLE 1153
STUDY OF TEH EVOLUTION OF PRECIPITATION AND CLOUD STRUCTURES DURING THE LIFE CYCLE OF TROPICAL MEOSC
12/15/2000 - 07/31/2003 FY02: $0 Total: $43,970
Prin. Invest.: Q HAN
Tech. Officer: GSFC/W B ROSSOW
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10407 UNIV OF ALABAMA - HUNTSVILLE 1154
ESML FOR EARTH SCIENCE DATA SET AND ANALYSIS.
04/02/2001 - 04/30/2003 FY02: $0 Total: $300,000
Prin. Invest.: D GRAVES
Tech. Officer: GSFC/K L MOE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10743 UNIV OF ALABAMA - HUNTSVILLE 1155
ONLINE SEARCH AND METADATA VISUALIZATION TOOL
04/12/2001 - 04/30/2004 FY02: $0 Total: $124,702
Prin. Invest.: G A GERMANY
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10785 UNIV OF ALABAMA - HUNTSVILLE 1156
HISTORICAL EVIDENCE FOR MAJOR-SOLAR-TERRESTRIAL- OUTBURSTS FOR PAST 150 YEARS FROM THE ANALYSIS OF
04/27/2001 - 04/30/2003 FY02: $0 Total: $57,698
Prin. Invest.: M A SHEA
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 10943 UNIV OF ALABAMA - HUNTSVILLE 1157
CHANGES IN GEOMAGNETIC CUTOFF RIGIDITIES OVER A 400-YEAR INTERVAL
05/15/2001 - 06/30/2003 FY02: $0 Total: $34,608
Prin. Invest.: D F SMART
Tech. Officer: GSFC/J F SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10949 UNIV OF ALABAMA - HUNTSVILLE 1158
COMPTEL GRB SPECTRAL CATALOG (ADP 2000)
05/24/2001 - 05/31/2002 FY02: $0 Total: $25,813
Prin. Invest.: M R KIPPEN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10965 UNIV OF ALABAMA - HUNTSVILLE 1159
OZONE RETRIEVAL ERRORS ASSOCIATED WITH CLOUDS
06/01/2001 - 05/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: M NEWCHURCH
Tech. Officer: GSFC/R MCPETERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11096 UNIV OF ALABAMA - HUNTSVILLE 1160
CRITICAL ASSESSMENT OF TOMS-DERIVED TROPOSPHERIC OZONE: COMPARISONS WITH OTHER MEASUREMENTS & MODEL
07/11/2001 - 08/31/2004 FY02: $0 Total: $60,000
Prin. Invest.: M NEWCHURCH
Tech. Officer: GSFC/R MCPETERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11100 UNIV OF ALABAMA - HUNTSVILLE 1161
VALIDATING AIRS OZONE OBSERVATIONS WITH TOMS, DOBS ON, BREWER, SAGE, MLS,HALOE AND OZONESONDE OBSERV
07/10/2001 - 08/31/2004 FY02: $0 Total: $56,969
Prin. Invest.: M J NEWCHURCH
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11209 UNIV OF ALABAMA - HUNTSVILLE 1162
EARLY BATSE GRB AFTERGLOWS (ADP 2000)
09/10/2001 - 08/31/2002 FY02: $0 Total: $10,000
Prin. Invest.: V C CONNAUGHTON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11248 UNIV OF ALABAMA - HUNTSVILLE 1163
OPTIMAL AEROSOL PARAMETERIZATION FOR REMOTE SENSIN G RETRIEV-ALS
08/16/2001 - 08/14/2004 FY02: $0 Total: $132,485
Prin. Invest.: M NEWCHURCH
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11484 UNIV OF ALABAMA - HUNTSVILLE 1164
CLUSTER SOFT EXCESS BY EUVE AND OTHER MISSIONS (AD P 2001)
12/18/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: R LIEU
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11606 UNIV OF ALABAMA - HUNTSVILLE 1165
A HARD X-RAY ALL-SKY IMAGING SURVEY
01/22/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: V C CONNAUGHTON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11626 UNIV OF ALABAMA - HUNTSVILLE 1166
FOLLOW ON TO NAG5-8034 ANALYSIS OF TIDE/PSI DATA
01/17/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: R COMFORT
Tech. Officer: GSFC/B GILES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11633 UNIV OF ALABAMA - HUNTSVILLE 1167
SCIENCE DATA SUBSETTING
01/18/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: D GRAVES
Tech. Officer: GSFC/J BEHNKE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11843 UNIV OF ALABAMA - HUNTSVILLE 1168
SOLAR FLARE ELECTRONS
03/11/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: G EMSLIE
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11941 UNIV OF ALABAMA - HUNTSVILLE 1169
THE IMPACT OF DEFORESTATION ON CONVECTIVE AND OROG RAPHIC CLOUD FORMATION IN A COMPLEX TROP
03/29/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: R M WELCH
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11995 UNIV OF ALABAMA - HUNTSVILLE 1170
INTEROPERABLE FRAMEWORK FOR DATA MINING AND ANALYS IS OF SPACE SCIENCE DATA.
04/11/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: S J GRAVES
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12008 UNIV OF ALABAMA - HUNTSVILLE 1171
SOURCES OF CUSP ENERGETIC IONS AND THEIR IMPLICATI ON
04/11/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: S CHANG
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12109 UNIV OF ALABAMA - HUNTSVILLE 1172
TERRESTRIAL PLASMASPHERE FEATURE TRACKING & VOLUME VISUAL-IZATION.
04/11/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: T NEWMAN
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12368 UNIV OF ALABAMA - HUNTSVILLE 1173
INTERCHANGE TECHNOLOGY FOR ENABLING DATA-APPLICATI ON IN-TEROPERABILITY IN EARTH S
07/10/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: D GRAVES
Tech. Officer: GSFC/K L MOE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 12468 UNIV OF ALABAMA - HUNTSVILLE 1174
MAGNETIC CLOUD INDUCED MAGNETIC STORM INTENSITY AN D TIMING: REAL TIME PREDICTION
09/12/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: C WU
Tech. Officer: GSFC/R LEPPING
CASE Category: 13 – PHYSICS

NAG 5 12530 UNIV OF ALABAMA - HUNTSVILLE 1175
FUSE OBSERVATIONS OF WARM GAS IN CLUSTERS OF GALAX IES AND OF GALACTIC OVI EMISSION
08/28/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: M BONAMENTE
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12563 UNIV OF ALABAMA - HUNTSVILLE 1176
PASSIVE MICROWAVE HURRICANE INSTENSITY FORECASTS
09/12/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: D CECIL
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1354 UNIV OF ALABAMA - HUNTSVILLE 1177
R/S PROTEIN PRECIPITANT SPECIFIC CRITERIA FOR THE IMPACT OF REDUCED GRAVITY ON CRYSTAL PEFECTION
06/04/1997 - 07/31/2001 FY02: $0 Total: $619,406
Prin. Invest.: F ROSENBERGER
Tech. Officer: MSFC/C R TALLEY, MSFC/J P DOWNEY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1355 UNIV OF ALABAMA - HUNTSVILLE 1178
RESEARCH "INFRARED SIGNATURES FOR MAMMALIAN CELLS IN CULTURE"
06/26/1997 - 11/30/2002 FY02: $0 Total: $437,984
Prin. Invest.: K CHITTUR
Tech. Officer: JSC/N PELLIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1403 UNIV OF ALABAMA - HUNTSVILLE 1179
THEORETICAL ANALYSIS FOR CONSTRUCTION OF A NON- GRAVITY LABORATORY ON ORBIT
08/28/1997 - 12/31/2001 FY02: $0 Total: $86,000
Prin. Invest.: L SMALLEY
Tech. Officer: MSFC/J CAMPBELL
CASE Category: 12 – CHEMISTRY

NAG 8 1456 UNIV OF ALABAMA - HUNTSVILLE 1180
GROUND BASED EXPERIMENTS IN SUPPORT OF MICRO- GRAVITY RESEARCH RESULTS VAPOR GROWTH OF ORGANIC
03/31/1998 - 07/31/2002 FY02: $0 Total: $322,500
Prin. Invest.: M T ZUGRAV
Tech. Officer: MSFC/P M DOTY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 8 1464 UNIV OF ALABAMA - HUNTSVILLE 1181
REDUCTION OF CONVECTION IN CLOSED TUBE VAPOR GROWTH EXPERIMENTS
03/24/1998 - 01/31/2002 FY02: $0 Total: $200,000
Prin. Invest.: R J NAUMANN
Tech. Officer: MSFC/P M DOTY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 8 1476 UNIV OF ALABAMA - HUNTSVILLE 1182
THERMOPHYSICAL PROPERTY MEASUREMENTS OF TE-BASED II-VI SEMICONDUCTOR COMPOUNDS
03/26/1998 - 04/30/2003 FY02: $0 Total: $637,935
Prin. Invest.: M BANISH
Tech. Officer: MSFC/M CROUCH
CASE Category: 56 – MEDICL

NAG 8 1548 UNIV OF ALABAMA - HUNTSVILLE 1183
STUDY OF INSPECTION OF CRITICAL SURFACES AND AEROSPACE SYSTEMS
09/24/1998 - 12/04/2002 FY02: $0 Total: $151,884
Prin. Invest.: G WORKMAN
Tech. Officer: MSFC/S RUSSELL
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1577 UNIV OF ALABAMA - HUNTSVILLE 1184
CONTROL OF TRANSPORT IN PROTEIN CRYSTAL USING RESTRICTIVE GEOMETRIES
12/16/1998 - 08/31/2003 FY02: $0 Total: $251,450
Prin. Invest.: R J NAVMANN
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1786 UNIV OF ALABAMA - HUNTSVILLE 1185
2001 SUMMER FACULTY FELLOWSHIP PROGRAM
04/25/2001 - 04/24/2003 FY02: $0 Total: $771,141
Prin. Invest.: G KARR, M FREEMAN
Tech. Officer: MSFC/J R PRUITT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1787 UNIV OF ALABAMA - HUNTSVILLE 1186
IMPROVED RE-CONFIGURABLE SLIDING MODE CONTROLLER F FOR REUSABLE LAUNCH VEHICLE OF SECOND GENERATION
01/24/2001 - 11/30/2001 FY02: $0 Total: $31,378
Prin. Invest.: Y B SHTESSEL
Tech. Officer: MSFC/K MCCALL
CASE Category: 45 – ELECTRICAL ENGR

NAG 8 1790 UNIV OF ALABAMA - HUNTSVILLE 1187
R/S ENTITLED, "EFFECTS OF CONVECTIVE TRANSPORT OF SOLUTE IMPURITIES ON DEFECT-CAUSING KINETICS..."
02/14/2001 - 08/31/2001 FY02: $0 Total: $266,000
Prin. Invest.: P G VEKILOV
Tech. Officer: MSFC/H K HIGGINBOTHAM
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1815 UNIV OF ALABAMA - HUNTSVILLE 1188
OPTICAL AMPLIFIER BASED SPACE SOLAR POWER SYSTEMS
05/08/2001 - 11/07/2001 FY02: $0 Total: $24,998
Prin. Invest.: R FORK
Tech. Officer: MSFC/G W JOHNSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1816 UNIV OF ALABAMA - HUNTSVILLE 1189
MACROMOLECULE NUCLEATION AND GROWTH RATAE DISPENSION STUDIES.
05/10/2001 - 12/31/2002 FY02: $0 Total: $152,527
Prin. Invest.: R JUDGE
Tech. Officer: MSFC/H K HIGGINBOTHAM
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1850 UNIV OF ALABAMA - HUNTSVILLE 1190
NON-EQUILIBRIUM THERMODYNAMICS OF HGZNTE MELTS
09/10/2001 - 12/31/2002 FY02: $0 Total: $15,000
Prin. Invest.: J BAIRD
Tech. Officer: MSFC/C H SU
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 1 98131 UNIV OF ALABAMA - HUNTSVILLE 1191
CLOUDS AND THE EARTH'S RADIANT ENERGY SYSTEM SCIEN TIFIC INVESTIGATIONS
11/01/1998 - 10/31/2003 FY02: $45,722 Total: $818,541
Prin. Invest.: R WELCH
Tech. Officer: LARC/B A WIELICKI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 2 00102 UNIV OF ALABAMA - HUNTSVILLE 1192
REFINEMENT AND TESTING OF AN XML BASED SENSOR MODE L LANGUAGE
11/20/2000 - 11/19/2003 FY02: $0 Total: $312,648
Prin. Invest.: M BOTTS, A COOK
Tech. Officer: ARC/S LAU, ARC/R CARVALHO
CASE Category: 22 – COMPUTER SCIENCE

NAS 2 01003 UNIV OF ALABAMA - HUNTSVILLE 1193
AIST PROGRAM RESEARCH PROJECT ENTITLED: "EVE: AN E NVIROMNENT FOR ON-BOARD PROCESSING"
12/18/2000 - 12/18/2003 FY02: $0 Total: $746,414
Prin. Invest.: S GRAVES
Tech. Officer: ARC/S LAU, ARC/R CARVALHO
CASE Category: 22 – COMPUTER SCIENCE

NAS 5 31718 UNIV OF ALABAMA - HUNTSVILLE 1194
EOS ASTER/HIRIS INVESTIGATION
01/09/1992 - 06/14/2003 FY02: $0 Total: $1,784,661
Prin. Invest.: R WELCH
Tech. Officer: GSFC/T BRAKE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 8 00180 UNIV OF ALABAMA - HUNTSVILLE 1195
INTERNAITONAL SPACE STATION PROGRAM INDEPENDENT DATABASE ASSESSMENT
08/01/2000 - 07/31/2001 FY02: $0 Total: $185,000
Prin. Invest.: S J GRAVES
Tech. Officer: MSFC/G HULLETT-SMITH, MSFC/G A WOOD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 8 98226 UNIV OF ALABAMA - HUNTSVILLE 1196
THE DESIGN AND DEVELOPMENT OF THE ORBITAL ARRAY OF WIDE ANGLE LENSES MISSION OPTICAL SYSTEM
07/01/1998 - 12/31/2001 FY02: $0 Total: $845,000
Prin. Invest.: Y TAKAHASHI
Tech. Officer: MSFC/M WATSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 165 UNIV OF ALABAMA - HUNTSVILLE 1197
TO SUPPORT RESEARCH ACTIVITIES UNDER THE NASA EXPE STIMULATE COMPETITIVE RESEARCH (EPSCOR)
11/02/1996 - 02/28/2002 FY02: $0 Total: $2,269,998
Prin. Invest.: J C GREGORY
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 391 UNIV OF ALABAMA - HUNTSVILLE 1198
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/13/1999 - 02/28/2002 FY02: $0 Total: $450,000
Prin. Invest.: J GREGORY
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 580 UNIV OF ALABAMA - HUNTSVILLE 1199
ALABAMA NASA EPSCOR PROGRAM
08/22/2001 - 07/31/2004 FY02: $0 Total: $316,814
Prin. Invest.: J C GREGORY
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 8 99 UNIV OF ALABAMA - HUNTSVILLE 1200
SELF-DIFFUSION IN LIQUID ELEMENTS
05/24/1996 - 04/30/2003 FY02: $0 Total: $1,596,612
Prin. Invest.: F ROSENBERGER
Tech. Officer: MSFC/S SPEARMAN
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 8 132 UNIV OF ALABAMA - HUNTSVILLE 1201
FOR RESEARCH: "CONSORTIUM FOR MATERIALS DEVELOP- MEFNT IN SPACE."
01/29/1997 - 02/28/2002 FY02: $0 Total: $9,142,072
Prin. Invest.: G WORKMAN
Tech. Officer: MSFC/J PRESSON
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 141 UNIV OF ALABAMA - HUNTSVILLE 1202
GLOBAL CHANGE RESEARCH RELATED TO THE EARTH'S ENERGY AND HYDROLOGY CYCLE
09/22/1997 - 09/29/2002 FY02: $0 Total: $14,595,288
Prin. Invest.: R MCNIDER
Tech. Officer: MSFC/R GREENWOOD, MSFC/J SIMON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 8 146 UNIV OF ALABAMA - HUNTSVILLE 1203
R/S INVESTIGATION OF SPACE BASED SOLID STATE COHERENT LIDAR UNDER DR. FARZIN AMZAJERDIAN
10/02/1997 - 11/30/2001 FY02: $0 Total: $1,289,919
Prin. Invest.: J DIMMOCK
Tech. Officer: MSFC/S C JOHNSON, MSFC/B F JONES
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 180 UNIV OF ALABAMA - HUNTSVILLE 1204
INTERNATIONAL SPACE STATION MICROGRAVITY DATA AND INFORMATION SYSTEMS
03/19/1999 - 02/28/2003 FY02: $0 Total: $384,520
Prin. Invest.: S J GRAVES
Tech. Officer: MSFC/C C LAPENTA
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 8 200 UNIV OF ALABAMA - HUNTSVILLE 1205
RESEARCH AND DEVELOPMENT
08/10/2000 - 08/09/2005 FY02: $0 Total: $30,330,921
Prin. Invest.: L R GREENWOOD, B J SCHROER, T D SHURTZ
Tech. Officer: MSFC/S COLEMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 8 203 UNIV OF ALABAMA - HUNTSVILLE 1206
INVESTIGATION OF INTER-AND INTRA-MOLECULAR INTER- ACTIONS OF RECOMBINANT CANAVALIN /E. COLI
07/20/2000 - 06/30/2002 FY02: $0 Total: $77,337
Prin. Invest.: J D NG
Tech. Officer: MSFC/M L PUSEY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 8 205 UNIV OF ALABAMA - HUNTSVILLE 1207
STRUCTURAL FLUCTUATIONS & THERMOPHYSICAL PROPER- TIES OF MOLTEN II - IV COMPOUNDS
09/08/2000 - 11/30/2003 FY02: $0 Total: $22,730
Prin. Invest.: S FETH
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 8 207 UNIV OF ALABAMA - HUNTSVILLE 1208
MECHANIZATIONS FOR THE CRYSTALLIZATION OF ZBLAN
07/24/2000 - 11/30/2003 FY02: $0 Total: $44,603
Prin. Invest.: W KINKLER
Tech. Officer: MSFC/E ETHRIDGE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 8 209 UNIV OF ALABAMA - HUNTSVILLE 1209
THEORETICAL INVESTIGATION OF ULTRASONIC PROCESSING FOR DIREC- TIONAL SOLIDIFICATION OF HYPERMONOTECTIC
12/01/2000 - 04/30/2002 FY02: $0 Total: $25,000
Prin. Invest.: A FEDOSEYEV
Tech. Officer: MSFC/R N GRUGEL
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 8 213 UNIV OF ALABAMA - HUNTSVILLE 1210
STUDENT LAUNCH INITITATIVE
03/23/2001 - 12/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: C R KARR
Tech. Officer: MSFC/J R PRUITT
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 8 243 UNIV OF ALABAMA - HUNTSVILLE 1211
PROMOTE COMMERCIALLY FUNDED RESEARCH AND TECH DEVELOPMENT INTHE FIELD OF MATERIALS RESEARCH
12/19/2001 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: W GATHINGS
Tech. Officer: MSFC/J WEST
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 245 UNIV OF ALABAMA - HUNTSVILLE 1212
THEORETICAL INVESTIGATION OF ULTRASONIC PROCESSING FOR DIRECTIONS SOLIDIFICATION OF HYPERMONOTEC ALL
11/19/2001 - 12/30/2002 FY02: $0 Total: $0
Prin. Invest.: W KAUKLER
Tech. Officer: MSFC/R N GRUGEL
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 9 109 UNIV OF ALABAMA - HUNTSVILLE 1213
COOPERATIVE AGREEMENT
06/22/2000 - 07/01/2001 FY02: -$5,605 Total: $16,395
Prin. Invest.: J RUPERT
Tech. Officer: JSC/N Q QURAISHI, JSC/D SICKOREZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 2 52283 UNIV OF ALABAMA - HUNTSVILLE 1214
EMBRYO DEVELOPMENT & HATCHING BEHAVIOR IN BOBWHITE & COTUNIX QUAIL EXPOSED TO EARTH'S GRAVITY & HYP
08/09/2001 - 08/31/2003 FY02: $0 Total: $20,650
Prin. Invest.: R F EATON
Tech. Officer: ARC/A E RONCA, ARC/E HOTTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 30430 UNIV OF ALABAMA - HUNTSVILLE 1215
SHORTWAVE AEROSOL RADIATIVE FORCING FROM TERRA (STUDENT: JIANGLONG ZHANG)
08/15/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S CHRISTOPHER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30455 UNIV OF ALABAMA - HUNTSVILLE 1216
CLIMATIC INFLUENCE OF LAND USE ON THE MESOAMERICAN BIOLOGICAL CORRIDOR. STUDENT: RAY K. DEEPAK
08/20/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R M WELCH
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40018 UNIV OF ALABAMA - HUNTSVILLE 1217
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
01/09/1997 - 01/31/2001 FY02: $0 Total: $1,983,762
Prin. Invest.: J GREGORY
Tech. Officer: GSFC/D E DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40077 UNIV OF ALABAMA - HUNTSVILLE 1218
ALABAMA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $561,875
Prin. Invest.: J C GREGORY
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50163 UNIV OF ALABAMA - HUNTSVILLE 1219
AN EMPIRICAL MODEL OF CORONAL HEATING DEDUCED FROM SOHO OBSERVATIONS OF TRANSITION REGION DYNAMICS
06/02/1998 - 07/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: E EMSLIE
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 13 – PHYSICS

NGT 8 52874 UNIV OF ALABAMA - HUNTSVILLE 1220
1999 SUMMER FACULTY FELLOWSHIP PROGRAM
04/12/1999 - 06/30/2001 FY02: $0 Total: $867,809
Prin. Invest.: G R KARR
Tech. Officer: MSFC/J F DOWDY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52878 UNIV OF ALABAMA - HUNTSVILLE 1221
ION CYCLOTRON RESONANCE HEATING OF A PLASMA BY HELICON WAVES FOR THE GASDYNAMICMIRROR FUSION...
08/31/1999 - 08/11/2002 FY02: $0 Total: $66,000
Prin. Invest.: C HAWK
Tech. Officer: MSFC/J DOWDY
CASE Category: 46 – MECHANICAL ENGR

NGT 8 52882 UNIV OF ALABAMA - HUNTSVILLE 1222
GRADUATE STUDENT RESEARCH PROGRAM "OPTIMIZATION OF A MAGNETIC MIRROR FUSION REACTOR FOR SPACE PROPUL
09/15/1999 - 08/14/2003 FY02: $0 Total: $66,000
Prin. Invest.: S WU
Tech. Officer: MSFC/J DOWDY
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 8 52886 UNIV OF ALABAMA - HUNTSVILLE 1223
DIFFRACTION LIMITED GRAZING INCIDENCE OPTICS
05/17/2000 - 08/22/2003 FY02: $0 Total: $44,000
Prin. Invest.: W PACIESAS
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NGT 8 52891 UNIV OF ALABAMA - HUNTSVILLE 1224
INTERACTION OF EXPANDING PLASMA WITH A COMPRESSED MAGNETIC FIELD
06/22/2000 - 07/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: C HAWK
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 46 – MECHANICAL ENGR

NGT 8 52908 UNIV OF ALABAMA - HUNTSVILLE 1225
CERAMIC MATRIX COMPOSITE DEV FOR SPACE TRANS APPLI CATIONS
05/25/2001 - 08/31/2002 FY02: $0 Total: $22,000
Prin. Invest.: R CERRO
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 43 – CHEMICAL ENGR

NAG 2 1499 UNIV OF ALABAMA - UNIV 1226
CATECHOLAMINE REGULATION AND RESPONSE TO ENVIROMEN TAL CHANGE IN DROSOPHILA MELANOGASTER
07/11/2001 - 06/30/2003 FY02: $0 Total: $107,541
Prin. Invest.: J M O'DONNELL
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 4346 UNIV OF ALABAMA - UNIV 1227
PROJECT NOVA
05/01/1997 - 02/28/2002 FY02: $0 Total: $2,775,000
Prin. Invest.: M FREEMAN
Tech. Officer: HQ/D V GALLAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7702 UNIV OF ALABAMA - UNIV 1228
ESTIMATE THE INDIRECT AEROSOL EFFECT AND RETRIEVAL OF RELATED PARAMETERSFROM SATELLITE MEASUREMENT
09/23/1998 - 09/30/2001 FY02: $0 Total: $228,407
Prin. Invest.: Q HAN
Tech. Officer: GSFC/M MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8269 UNIV OF ALABAMA - UNIV 1229
THEORETICAL CALCULATION OF CO2 FAR-WING LINE SHAPE S
02/25/1999 - 12/31/2001 FY02: $0 Total: $123,700
Prin. Invest.: R H TIPPING
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8959 UNIV OF ALABAMA - UNIV 1230
NEARBY GALAXIES IN THE FAR-UV: TOWARD COMPARISON WITH HIGH-REDSHIFT GALAXIES -FUSE
01/24/2000 - 01/31/2003 FY02: $0 Total: $29,600
Prin. Invest.: W C KEEL
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9388 UNIV OF ALABAMA - UNIV 1231
THE PROJECT NOVA CONSORTIUM
04/10/2000 - 03/31/2003 FY02: $0 Total: $2,092,690
Prin. Invest.: L FREEMAN
Tech. Officer: GSFC/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9855 UNIV OF ALABAMA - UNIV 1232
TO EXPAND AND CONTINUE TO DISSEMINATE A HIGHER EDU CATION MODEL FOR CREATING INPRE-SERVICE EDUCATIO
08/07/2000 - 07/31/2001 FY02: $0 Total: $118,581
Prin. Invest.: M FREEMAN
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10914 UNIV OF ALABAMA - UNIV 1233
INVESTIGATING THE INTERACTION-STARBURST CONNECTION (ADP 2000)
05/18/2001 - 04/30/2003 FY02: $0 Total: $37,396
Prin. Invest.: J W SULENTIC
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11204 UNIV OF ALABAMA - UNIV 1234
SHOCKS IN GROUPS
08/08/2001 - 08/14/2002 FY02: $0 Total: $8,700
Prin. Invest.: J W SULENTIC
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 8 1724 UNIV OF ALABAMA - UNIV 1235
"2000 SUMMER FACULTY FELLOWSHIP PROGRAM"
06/22/2000 - 03/30/2002 FY02: $0 Total: $733,392
Prin. Invest.: L M FREEMAN
Tech. Officer: MSFC/J R PRUITT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1753 UNIV OF ALABAMA - UNIV 1236
RESEARCH THE APPLICATIONS THAT RESULTED IN SUCCESSFUL PROJECT MANAGEMENT IN INDUSTRY.
11/28/2000 - 05/31/2002 FY02: $0 Total: $67,514
Prin. Invest.: P S RAY
Tech. Officer: MSFC/A DUARTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1859 UNIV OF ALABAMA - UNIV 1237
2002 SUMMER FACULTY FELLOWSHIP PROGRAM
05/23/2002 - 05/23/2003 FY02: $0 Total: $0
Prin. Invest.: M FREEMAN, G KARR
Tech. Officer: MSFC/S STEVENSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1419 UNIV OF ALABAMA - UNIV 1238
DESIGN OF AN INTERGRATED HYBIRD SYSTEM
08/17/2000 - 08/17/2001 FY02: $0 Total: $99,999
Prin. Invest.: G P, P S ROY, D J FONSECA
Tech. Officer: JSC/F Y KUO
CASE Category: 49 – ENGINEERING, OTHER

NAG10 305 UNIV OF ALABAMA - UNIV 1239
EVALUATION OF IONIC LIQUIDS FOR USE IN A PROPOSED LOW TEMPERA-TURE ELECTROLYSIS CELL FOR THE PROCESSI
08/27/2001 - 08/31/2002 FY02: $0 Total: $24,980
Prin. Invest.: R D ROGERS
Tech. Officer: KSC/D E LUECK
CASE Category: 12 – CHEMISTRY

NAS 8 00207 UNIV OF ALABAMA - UNIV 1240
PARTICLE ENGULFMENT AND PUSHING BY SOLIDIFYING INT ERFACES (PEP)
10/03/2000 - 09/28/2004 FY02: $0 Total: $243,000
Prin. Invest.: D M STEFANESCU
Tech. Officer: MSFC/M PURVEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 1326 UNIV OF ALABAMA - UNIV 1241
AN IMMUNIZED AIRCRAFT MANEUVER SELECTION SYSTEM
03/22/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: C KARR
Tech. Officer: ARC/K KRISHNAKUMAR, ARC/J KANESHIGE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 964 **UNIV OF ALABAMA - UNIV** **1242**
MAGNETICALLY-ASSISTED COMBUSTION EXPERIMENT (MACE) MAGNETICALLY-ASSISTED COMBUSTION EXPERIMENT (MACE
05/07/2002 - 05/06/2005 FY02: $0 Total: $0
Prin. Invest.: J BAKER
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 256 **UNIV OF ALABAMA - UNIV** **1243**
RESEARCH & DEVELOPEMENT NSSTC
02/15/2002 - 02/14/2007 FY02: $0 Total: $0
Prin. Invest.: R L WELLS
Tech. Officer: MSFC/S COLEMAN, MSFC/M HUIE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9085 **UNIV OF NORTH ALABAMA** **1244**
EARTH SYS SCIENCE ON-LINE COURSE: ON OPPURTUNITY IN GEOGRAPHY EDUCATION
02/17/2000 - 01/31/2003 FY02: $0 Total: $65,076
Prin. Invest.: W R STRONG
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1282 **UNIV OF SOUTH ALABAMA** **1245**
MATHEMATICAL MODELING OF FOOD SUPPLY FOR LONG TERM SPACE MISSIONS USING LIFE SUPPORT
02/12/2001 - 05/15/2001 FY02: $0 Total: $12,228
Prin. Invest.: J CRUTHIRDS
Tech. Officer: JSC/V L KLOERIS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 8 161 **UNIV OF SOUTH ALABAMA** **1246**
REGIONAL/INTERNATIONAL CHANGE ASSESSMENT STRATEGIES, RESEARCH AND TECHNOLOGY
01/19/1999 - 01/18/2004 FY02: $0 Total: $113,105
Prin. Invest.: M CARPENTER
Tech. Officer: MSFC/R ARNOLD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 8 249 **UNIV OF SOUTH ALABAMA** **1247**
RESEARCH AND DEVELOPMENT, NSSTC
05/22/2002 - 05/21/2007 FY02: $0 Total: $0
Prin. Invest.: J E AYLING, R G GALBRAITH
Tech. Officer: MSFC/S COLEMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52896 **UNIV OF SOUTH ALABAMA** **1248**
STRUCTURE DETERMINATION OF PP5, A SENSOR OF CELL CYCLE CONTROL CHECKPOINTS AND A PROGNOSTIC INDICAT
05/25/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: R HONKANEN
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

ALASKA

NAG 2 1534 **UNIV OF ALASKA - FAIRBANKS** **1249**
UNDERSTANDING THE EFFECT OF LAND COVER CLASSIFICAT ION ON MODEL ESTIMATES OF REGIONAL CARBON CYCLING
02/07/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: A MCGUIRE
Tech. Officer: ARC/C S POTTER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4269 **UNIV OF ALASKA - FAIRBANKS** **1250**
UNIQUE SIMULTANEOUS OBSERVATIONS OF THE CONJUGATE HEMISPHERES WITH THE DYNAMICS EXPLORER AND VIKING
03/25/1997 - 12/31/2001 FY02: $0 Total: $99,987
Prin. Invest.: D D CRAVEN
Tech. Officer: GSFC/D EVANS
CASE Category: 13 – PHYSICS

NAG 5 5125 **UNIV OF ALASKA - FAIRBANKS** **1251**
GROUND AND BALLOON-BORNE OBSERVATIONS OF RED SPRITES AND BLUE JETS
07/02/1997 - 01/31/2002 FY02: $0 Total: $343,690
Prin. Invest.: E WESTCOTT
Tech. Officer: GSFC/H NEEDLEMAN
CASE Category: 13 – PHYSICS

NAG 5 5218 **UNIV OF ALASKA - FAIRBANKS** **1252**
CODA: COUPLING OF DYNAMICS AND AURORA-A CO- INVESTIGATION PROPOSAL WITH AEROSPACE PI COLLINS
01/15/1999 - 01/14/2003 FY02: $0 Total: $29,267
Prin. Invest.: COLLINS
Tech. Officer: GSFC/W JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5243 **UNIV OF ALASKA - FAIRBANKS** **1253**
FIRST YEAR OF A TWO YEAR EFFORT NAG5-5243 PI DR. RICHARD COLLINS
03/29/1999 - 12/31/2002 FY02: $0 Total: $38,624
Prin. Invest.: R COLLINS
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5316 **UNIV OF ALASKA - FAIRBANKS** **1254**
MAPPING THE E-REGION VERTICAL AND ZONAL WINDS NEAR A STABLE AURORAL ARC USING A NEAR HORIZONTAL
02/14/2001 - 02/11/2004 FY02: $0 Total: $215,855
Prin. Invest.: M CONDE
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6275 **UNIV OF ALASKA - FAIRBANKS** **1255**
THE ROLE OF LAND-COVER CHANGE IN HIGH LATITUDE ECO FOR THE GLOBAL CARBON CYCLE
08/27/1997 - 08/31/2001 FY02: $0 Total: $520,000
Prin. Invest.: D MCGUIRE
Tech. Officer: GSFC/A JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6338 **UNIV OF ALASKA - FAIRBANKS** **1256**
VALIDATION OF MODIS SNOW & SEA ICE PRODUCTS IN THE SOUTHERN OCEAN
10/02/1997 - 03/31/2003 FY02: $0 Total: $468,742
Prin. Invest.: S LI
Tech. Officer: GSFC/D O STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 7507 **UNIV OF ALASKA - FAIRBANKS** **1257**
JERS-1 NORTH AMERICAN BOREAL FOREST MAPPING STUDY TASK PLAN UAF COMPONENT
06/26/1998 - 06/30/2001 FY02: $0 Total: $150,000
Prin. Invest.: C L WILLIAMS
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7603 UNIV OF ALASKA - FAIRBANKS 1258
THE INFLUENCE OF PROPAGATING EDDIES ON THE ENVIRON MENT OF THE CONTINEN- TAL SHELF IN THE NORTHERN G
07/21/1998 - 07/31/2002 FY02: $0 Total: $71,973
Prin. Invest.: S R OKKONEN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7659 UNIV OF ALASKA - FAIRBANKS 1259
'SPACE GEODETIC CASE STUDIES OF RECENT VOLCANIC EV ENTS IN ALASKA' SENH98-0028
09/09/1998 - 08/31/2002 FY02: $0 Total: $240,000
Prin. Invest.: J T FREYMUELLER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7683 UNIV OF ALASKA - FAIRBANKS 1260
MODELING OF THE ATMOSPHERE-MAGNETOSPHERE-IONOSPHER E SYS- TEM: BASELINE EFFORT
09/15/1998 - 09/30/2001 FY02: $0 Total: $335,010
Prin. Invest.: M H REES
Tech. Officer: GSFC/S A CURTIS
CASE Category: 13 – PHYSICS

NAG 5 7799 UNIV OF ALASKA - FAIRBANKS 1261
A STUDY OF THE INSTANTANEOUS DISTRIBUTION OF BIRK- LAND CUR- RENTS USING POLAR UVI,SUPERDARN, IMP8
12/17/1998 - 09/30/2002 FY02: $0 Total: $275,081
Prin. Invest.: W A BRISTOW
Tech. Officer: GSFC/L ZANETTI
CASE Category: 11 – ASTRONOMY

NAG 5 8042 UNIV OF ALASKA - FAIRBANKS 1262
THERMOSPHERIC NEUTRAL WIND RESPONSE TO THE AURORA AT HIGH RESOLUTION; SIMULTANEOUS GROUND-BASED AN
01/07/1999 - 09/30/2001 FY02: $0 Total: $58,510
Prin. Invest.: J D CRAVEN
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 8614 UNIV OF ALASKA - FAIRBANKS 1263
APPLICATION OF SATELLITE SAR IMAGERY IN MAPPING THE ACTIVE LAYER OF ARCTIC PERMAFROST
06/14/1999 - 06/30/2002 FY02: $0 Total: $186,618
Prin. Invest.: S LI
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8722 UNIV OF ALASKA - FAIRBANKS 1264
RUSSIAN-US PARTNERSHIP TO STUDY THE 23-KM-DIAMETER EL'GYGYTGYN IMPACT CRATER, NORTHEAST RUSSIA
08/25/1999 - 08/14/2002 FY02: $0 Total: $70,000
Prin. Invest.: V SHARPTON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9315 UNIV OF ALASKA - FAIRBANKS 1265
MONITORING BOREAL LANDCOVER AND ECOSYSTEM DYNAMICS AT RE- GIONAL SCALES USING INTEGRATED SPACEBORNE
03/28/2000 - 04/30/2003 FY02: $0 Total: $33,000
Prin. Invest.: C WILLIAMS
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9457 UNIV OF ALASKA - FAIRBANKS 1266
PLASMA PROCESSES AT THE EARTH'S MAGNETOSPHERIC BOUNDARY AND CUSPS
04/24/2000 - 04/30/2003 FY02: $0 Total: $109,729
Prin. Invest.: A OTTO
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9513 UNIV OF ALASKA - FAIRBANKS 1267
PHOTOTROPHIC ORGANISMS AT HYDROTHERMAL VENTS
04/25/2000 - 04/30/2003 FY02: $0 Total: $160,000
Prin. Invest.: G PLUMLEY
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9859 UNIV OF ALASKA - FAIRBANKS 1268
APPLICATION OF THE TERRESTRIAL ECOSYSTEM MODEL TO SIMULATE CARBON DYNAMICS OF THEBOREAS REGIO
08/07/2000 - 08/31/2001 FY02: $0 Total: $25,000
Prin. Invest.: A D MCGUIRE
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NAG 5 10069 UNIV OF ALASKA - FAIRBANKS 1269
CEDAR/TIMED: THERMOSPHERIC VERTICAL WIND OBSERVATI ONS FROM THREE SITES IN THE NORTHERN AURORAL ZON
10/24/2000 - 08/31/2003 FY02: $0 Total: $187,000
Prin. Invest.: M CONDE
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11142 UNIV OF ALASKA - FAIRBANKS 1270
THE ROLE OF LAND-COVER CHANGE IN HIGH LATITUDE ECO SYSTEMS: IMPLICATIONSFOR CARBON BUDGETS IN NORTH
07/31/2001 - 07/31/2004 FY02: $0 Total: $87,359
Prin. Invest.: D MCGUIRE
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11213 UNIV OF ALASKA - FAIRBANKS 1271
PERIGLACIAL GEOMORPHOLOGY ANALYSES ON UTOPIA PLANI TIA
08/13/2001 - 08/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: K YOSHIKAWA
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11226 UNIV OF ALASKA - FAIRBANKS 1272
INTERNATIONAL SYMPOSIUM ON FAST GLACIER FLOW
08/13/2001 - 08/31/2003 FY02: $0 Total: $20,000
Prin. Invest.: C LINGLE
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11411 UNIV OF ALASKA - FAIRBANKS 1273
TIMED SOLAR EUV EXPERIMENT PHASE E CO-INVESTIGATOR - SCOTT BAILEY.
12/13/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: S M BAILEY
Tech. Officer: GSFC/R A GOLDBERBG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11822 UNIV OF ALASKA - FAIRBANKS 1274
TOWARD IMPROVED PROCESS BASED PAN-ARCTIC PREDICITI ON OF LAND SURFACE MOISTUREAND ENERGY FLUXES
03/01/2002 - 08/28/2005 FY02: $0 Total: $0
Prin. Invest.: L D HINZMAN
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12192 UNIV OF ALASKA - FAIRBANKS 1275
LARGE SCALE CONSEQUENCES OF SMALL SCALE AURORAL STRUCTURES
05/16/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: D LUMMERZHEIM
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12411 UNIV OF ALASKA - FAIRBANKS 1276
DETECTION OF CLIMATE CHANGE IN THE WESTERN ARTIC: SEA ICE TELECONNECTIONAND PRODUCTIVITY
08/01/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: L MCNUTT
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12449 UNIV OF ALASKA - FAIRBANKS 1277
THE MAGNITUDE AND VARIABILITY OF THE SOLAR SOFT X- RAY IRRADIANCE
08/19/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: S M BAILEY
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 5 01074 UNIV OF ALASKA - FAIRBANKS 1278
MAINTENANCE/MISSION SUPPORT AT POKER FLAT RESERACH RANGE.
03/12/2001 - 03/11/2006 FY02: $0 Total: $940,000
Prin. Invest.: G W WALKER, R SHEFCHIK
Tech. Officer: GSFC/W F LAU
CASE Category: 49 – ENGINEERING, OTHER

NAS 5 98129 UNIV OF ALASKA - FAIRBANKS 1279
OPERATION & MANAGEMENT OF ALASKA SAR FACILITY
03/30/1998 - 03/31/2003 FY02: $0 Total: $34,894,982
Prin. Invest.: N AVAILBLE
Tech. Officer: GSFC/P J ONDRUS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCA 5 112 UNIV OF ALASKA - FAIRBANKS 1280
PROCESSING SYNTHETIC APERTURE RADAR DATA
04/27/1988 - 03/31/2003 FY02: $0 Total: $22,045,886
Prin. Invest.: J MILLER, W F WEEKS, G WELLER
Tech. Officer: GSFC/G H TROFFORD
CASE Category: 11 – ASTRONOMY

NCC 5 379 UNIV OF ALASKA - FAIRBANKS 1281
MODIS/SNOW MAPPING: IN-SITU MEASUREMENTS ON THE S ONW OF INTERIOR & ARCTICALASKA
01/29/1999 - 09/30/2001 FY02: $0 Total: $30,000
Prin. Invest.: C S BENSON
Tech. Officer: GSFC/S K HALL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30381 UNIV OF ALASKA - FAIRBANKS 1282
GLACIAL UNLOADING: FORCINGS, RESPONSES & PROCESSES /CHRISTOPHER LARSEN
08/13/2001 - 08/31/2004 FY02: $0 Total: $21,984
Prin. Invest.: J FREYMUELLER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40100 UNIV OF ALASKA - FAIRBANKS 1283
ALASKA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/28/2001 - 02/28/2005 FY02: $0 Total: $223,453
Prin. Invest.: J G HAWKINS
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50324 UNIV OF ALASKA - FAIRBANKS 1284
TREES, FIRE & CLIMATE: EVALUATING POTENTIAL FEED BACKS BETWEEN DISTURBANCE REGIMEFOREST SUCCESSION
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: S F CHAPIN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50423 UNIV OF ALASKA - FAIRBANKS 1285
METHANE EFFLUX FROM THERMOKARST LAKES IN NE SIBERIA :PHYSICAL, HYDROLOGICAL, & BIOGEOCHEMICAL
08/12/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: T CHAPIN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

ARIZONA

NAG 1 1781 ARIZONA STATE UNIV 1286
PENETRATION OF HIGH-INTENSITY RADIATED FIELDS INTO GENERAL AVIATION AIRCRAFT
12/13/1995 - 12/31/2001 FY02: $0 Total: $641,878
Prin. Invest.: C BALANIS, P TIRKAS
Tech. Officer: LARC/T X NGUYEN
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 1988 ARIZONA STATE UNIV 1287
DEVELOPMENT OF COMPREHENSIVE MODELING TECHNIQUES FOR SMART COMPOSITE STRUCTURES
01/06/1998 - 01/14/2001 FY02: $0 Total: $128,403
Prin. Invest.: A CHATTOPADYAY
Tech. Officer: LARC/C D WIESEMAN, LARC/A R MCGOWAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2233 ARIZONA STATE UNIV 1288
DETERM & USE OF SENSITIVITIES FOR REDESIGN/ANAL OF MISTUNED BLADED DISKS - NRA 98-LARC-8
09/27/1999 - 07/31/2002 FY02: $0 Total: $153,439
Prin. Invest.: M P MIGNOLET
Tech. Officer: LARC/P W GOODE
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 1 2241 ARIZONA STATE UNIV 1289
USING FORMAL APPROACH FOR REVERSE ENGR'G & DESIGN RECOVERY TO SUPPORT SOFTWARE REUSE--NRA-98-LARC-8
09/27/1999 - 08/30/2002 FY02: $0 Total: $192,186
Prin. Invest.: G C GANNOD
Tech. Officer: LARC/B L DI VITO
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 2283 **ARIZONA STATE UNIV** **1290**
A NONLINEAR THEORY FOR SMART COMPOSITE STRUCTURES
03/24/2000 - 03/14/2003 FY02: $0 Total: $98,305
Prin. Invest.: A CHATTOPADHYAY
Tech. Officer: LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02010 **ARIZONA STATE UNIV** **1291**
COUPLED NONLINEAR AERO-THERMO-ELASTIC ANALSIS FOR AEROSPACE APPLICATIONS
12/06/2001 - 01/15/2005 FY02: $0 Total: $0
Prin. Invest.: A CHATIPHADYAJ
Tech. Officer: LARC/W A SILVA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1461 **ARIZONA STATE UNIV** **1292**
CONTINUAL PLANNING IN METRIC/TEMPORAL DOMAINS
03/13/2001 - 02/28/2003 FY02: $0 Total: $161,928
Prin. Invest.: S KAMBHAMPPATI
Tech. Officer: ARC/R A MORRIS
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2081 **ARIZONA STATE UNIV** **1293**
DECOUPLING THE ROLE OF INERTIA & GRAVITY ON PARTIC LE DISPERSION LSN000850-(NRA-94-OLMSA)
09/26/1997 - 09/16/2001 FY02: $0 Total: $49,456
Prin. Invest.: K D SQUIRES
Tech. Officer: GRC/A CHAIT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2591 **ARIZONA STATE UNIV** **1294**
OPTIMIZATION OF ENGINEERED III-N MATERIAL FOR ELEC TRON EMISSIVE DEVICES
04/16/2001 - 02/28/2003 FY02: $0 Total: $19,990
Prin. Invest.: N NEWMAN
Tech. Officer: GRC/I KRAINSKY
CASE Category: 13 – PHYSICS

NAG 5 3628 **ARIZONA STATE UNIV** **1295**
THERMAL-INFRARED LABORATORY STUDIES
02/25/1997 - 12/31/2001 FY02: $0 Total: $476,921
Prin. Invest.: D R CHRISTENSEN
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3783 **ARIZONA STATE UNIV** **1296**
DETERMINING THE COMPOSITION OF MARTIAN AND VENUSIA
02/21/1997 - 06/30/2002 FY02: $0 Total: $361,350
Prin. Invest.: D FINK
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3908 **ARIZONA STATE UNIV** **1297**
STUDIES IN PLANETARY VOLCANOLOGY
02/12/1997 - 02/28/2002 FY02: $0 Total: $919,053
Prin. Invest.: D GREELEY
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4131 **ARIZONA STATE UNIV** **1298**
ORGANICS IN METEORITES
03/15/1997 - 09/14/2001 FY02: $0 Total: $345,000
Prin. Invest.: D CRONIN
Tech. Officer: GSFC/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 6741 **ARIZONA STATE UNIV** **1299**
SYSTEMATIC DETERMINATIONS OF ELEMENTAL ABUNDANCES FOR GALACTIC AND LMC NOVAE
12/19/1997 - 12/31/2001 FY02: $0 Total: $200,688
Prin. Invest.: S STARRFIELD
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7540 **ARIZONA STATE UNIV** **1300**
INVESTIGATION OF NEBULAR PROCESSES THROUGH OXYGEN ISOTOPIC ANALYSIS OF PRIMITIVE METEORITE MATERIAL
06/18/1998 - 09/30/2002 FY02: $0 Total: $121,100
Prin. Invest.: L LESHIN
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8158 **ARIZONA STATE UNIV** **1301**
MICROBEAM INVESTIGATIONS OF PRESOLAR AND EARLY SOL AR SYSTEM MATERIALS
02/04/1999 - 01/31/2003 FY02: $0 Total: $299,000
Prin. Invest.: D R HUSS
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8173 **ARIZONA STATE UNIV** **1302**
PRESOLAR GRAINS AS TRACERS OF NEBULA PROCESSES
02/03/1999 - 10/14/2001 FY02: $0 Total: $38,000
Prin. Invest.: D R HUSS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8278 **ARIZONA STATE UNIV** **1303**
MULTIWAVELENGTH SPECTRAL SYNTHESES OF NOV ATMOSPHE RES (ADP 98)
02/24/1999 - 02/28/2002 FY02: $0 Total: $98,991
Prin. Invest.: S G STARRFIELD
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8286 **ARIZONA STATE UNIV** **1304**
ACQUISITION OF A CAMECA IMS 6F SECONDARY ION MASS SPECTROMETER FOR APPLICATIONS IN COSMOCHEMIST
02/22/1999 - 02/28/2001 FY02: -$9 Total: $489,491
Prin. Invest.: L A LESHIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8453 **ARIZONA STATE UNIV** **1305**
ANALYSIS OF AEOLIAN FEATURES AND PROCESSES ON MARS
04/14/1999 - 04/14/2003 FY02: $0 Total: $234,000
Prin. Invest.: R GREELEY
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8481 **ARIZONA STATE UNIV** **1306**
FORMATION & EVOLUTION OF BINARY SYSTEMS CONTAINING COLLAPSED STARS (ATP 98)
04/29/1999 - 04/30/2003 FY02: $0 Total: $29,420
Prin. Invest.: M POLITANO
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8721 ARIZONA STATE UNIV 1307
SMALL IMPACTS ON MARS: ATMOSPHERIC EFFECTS
08/03/1999 - 08/14/2002 FY02: $0 Total: $70,500
Prin. Invest.: R GREELEY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8805 ARIZONA STATE UNIV 1308
PHASE-RESOLVED INVESTIGATION OF SUPERSOFT X-RAY BINARIES - FUSE
02/01/2000 - 02/14/2002 FY02: $0 Total: $23,900
Prin. Invest.: A P COWLEY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 8897 ARIZONA STATE UNIV 1309
GEOLOGICAL STUDIES OF THE GALILEAN SATELLITES
01/13/2000 - 01/14/2003 FY02: $0 Total: $176,600
Prin. Invest.: R GREELY
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8898 ARIZONA STATE UNIV 1310
MECHANISMS, MANIFESTATION AND IMPLICATIONS OF CRYO MAGMATISM ON EUROPA
01/13/2000 - 01/14/2003 FY02: $0 Total: $83,700
Prin. Invest.: S A FAGENTS
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8948 ARIZONA STATE UNIV 1311
STUDIES OF MARTIAN AEOLIAN GEOLOGY
01/19/2000 - 02/28/2003 FY02: $0 Total: $181,350
Prin. Invest.: R GREELEY
Tech. Officer: GSFC/J GRANT
CASE Category: 11 – ASTRONOMY

NAG 5 9070 ARIZONA STATE UNIV 1312
MONITORING THE HAZARDS OF SILICIC VOLCANOES WITH REMOTE SENSING
02/27/2000 - 02/28/2003 FY02: $0 Total: $98,703
Prin. Invest.: J FINK
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9263 ARIZONA STATE UNIV 1313
MULTIDIMENSIONAL STUDIES OF THE CONSEQUENCES OF THERMO-NUCLEAR RUNAWAYS ON ACCRETING WHITEDWARFS
03/13/2000 - 03/14/2003 FY02: $0 Total: $186,581
Prin. Invest.: S STARRFIELD
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9352 ARIZONA STATE UNIV 1314
COSMOCHEMISTRY & MINERALOGY OF PRIMITIVE METEORITE
03/30/2000 - 03/31/2003 FY02: $0 Total: $194,000
Prin. Invest.: P R BUSECK
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9381 ARIZONA STATE UNIV 1315
HIGH PRESSURE MINERALS IN SHOCKED METEORITES: CONS TRAINTS ON SHOCK CONDITIONS AND DURATION
04/03/2000 - 03/31/2003 FY02: $0 Total: $98,000
Prin. Invest.: T G SHARP
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 9395 ARIZONA STATE UNIV 1316
FUSE OBSERVATIONS OF GALACTIC AND LMC NOVAE IN OUT BURST - FUSE
04/05/2000 - 04/14/2002 FY02: $0 Total: $9,084
Prin. Invest.: S G STARRFIELD
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9430 ARIZONA STATE UNIV 1317
ENVIRONMENTS OF EARLY EVOLUTION AND THE SEARCH FOR AN EXTRA-TERRESTIAL FOSSIL RECORD
04/13/2000 - 05/31/2003 FY02: $0 Total: $192,316
Prin. Invest.: P KNAUTH
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9451 ARIZONA STATE UNIV 1318
CHIRAL ANALYSES OF ORGANIC COMPOUNDS IN CARBONACEO US METEORITES
04/12/2000 - 04/14/2003 FY02: $0 Total: $213,620
Prin. Invest.: S PIZZARELLO
Tech. Officer: GSFC/M MEYER
CASE Category: 12 – CHEMISTRY

NAG 5 9507 ARIZONA STATE UNIV 1319
MICROBIAL PALEONTOLOGY, MINERALOGY & GEOCHEMISTRY OF MODERN & ANCIENT THERMAL SPRING DEPOSITS & THEI
05/23/2000 - 04/30/2003 FY02: $0 Total: $240,992
Prin. Invest.: J FARMER
Tech. Officer: GSFC/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 9773 ARIZONA STATE UNIV 1320
GEOLOGY OF POTENTIAL LANDING SITES FOR MARTIAN SAM PLE RE-TURNS
07/05/2000 - 06/30/2003 FY02: $0 Total: $83,800
Prin. Invest.: R GREELY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9838 ARIZONA STATE UNIV 1321
RADIATION SCIENCE PROGRAM TRANSMISSION ELECTRON MI CROSCOPY (TEM) STUDY OF SOUTHERN AFRICAN FIRE-ATM
11/20/2000 - 11/30/2003 FY02: $0 Total: $124,000
Prin. Invest.: P R BUSECK
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10077 ARIZONA STATE UNIV 1322
CHEMICAL CONSTRAINTS ON THE EARLY SOLAR NEBULA: IRACING MO-LECULAR & ISOTOPIC ABUNDANCES FROM INTE
11/15/2000 - 11/14/2001 FY02: $0 Total: $40,000
Prin. Invest.: S WYCKOFF
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10214 ARIZONA STATE UNIV 1323
THERMAL CONDUCTIVITY RELATIONSHIPS TO PHYSICAL PRO PERTIES OF MARTIAN SURFICIAL MATERIALS: A TOOL FO
01/04/2001 - 01/14/2003 FY02: $0 Total: $55,000
Prin. Invest.: M A PRESLEY
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10268 ARIZONA STATE UNIV 1324
RECENT VOLCANIC AND FLUVIAL ACTIVITY ON MARS
01/18/2001 - 04/30/2003 FY02: $0 Total: $166,400
Prin. Invest.: A S MCEWEN
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10310 ARIZONA STATE UNIV 1325
MAPPING MINERALOGY, ROCK ABUNDANCE, & THERMAL INER TIA USING MGS THERMAL EMISSION SPECTROMETER (TES)
01/25/2001 - 01/31/2004 FY02: $0 Total: $150,000
Prin. Invest.: P R CHRISTIANSON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10316 ARIZONA STATE UNIV 1326
OBSERVATIONS OF THE LISM WITH HOT WHITE DWARFS - FUSE - 2000
01/26/2001 - 04/30/2002 FY02: $0 Total: $23,600
Prin. Invest.: J B HOLBERG
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10449 ARIZONA STATE UNIV 1327
PRESOLAR GRAINS: PROBES OF PROCESS IN INTERSTELLAR SPACE, IN THE SOLAR NEBULA, & ON METEORITE PAREN
02/21/2001 - 10/31/2002 FY02: $0 Total: $33,000
Prin. Invest.: G HUSS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10460 ARIZONA STATE UNIV 1328
REGIONAL PLANETARY IMAGE FACILITY-ARIZONA STATE UNIV
02/26/2001 - 02/28/2006 FY02: $0 Total: $65,900
Prin. Invest.: R GREELY
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 10523 ARIZONA STATE UNIV 1329
ISOTOPIC & PETROLOGIC INVESTIGATIONS OF EXTRATERRE STRIAL MATERIALS: CONSTRAINTS ON NEBULAR, ASTEROI
03/06/2001 - 03/14/2004 FY02: $0 Total: $100,000
Prin. Invest.: L A LESHIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10524 ARIZONA STATE UNIV 1330
ASU/MICHIGAN COLLABORATION: THE ABUNDANCE & ISOTOP IC COMPO-SITION OF HG IN EXTRATERRESTRIAL MATERIAL
03/05/2001 - 07/31/2001 FY02: $0 Total: $3,158
Prin. Invest.: D LAURETTA
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10689 ARIZONA STATE UNIV 1331
THE EVOLUTIONARY DEVELOPMENT OF PHOTOSYNTHESIS & THE TRAN-SITION FROM AN ANAEROBIC TO AN AEROBIC
04/06/2001 - 03/31/2004 FY02: $0 Total: $90,000
Prin. Invest.: R BLANKENSHIP
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10753 ARIZONA STATE UNIV 1332
CHEMICAL CONSTRAINTS ON THE EARLY SOLAR NEBULA
04/11/2001 - 04/14/2003 FY02: $0 Total: $20,000
Prin. Invest.: S WYCKOFF
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10899 ARIZONA STATE UNIV 1333
THIRD INTERNATIONAL SYPMOSIUM ON ENVIRONMENTAL HYDRAULICS
05/04/2001 - 05/31/2002 FY02: $0 Total: $15,000
Prin. Invest.: D BOYER
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11199 ARIZONA STATE UNIV 1334
ORIGINS OF SMALL VOLCANIC CONES: ERUPTION MECHANIS MS AND IMPLICATIONS FOR WATER ON MARS
08/07/2001 - 08/14/2004 FY02: $0 Total: $49,926
Prin. Invest.: S FAGENTS
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11494 ARIZONA STATE UNIV 1335
THERMAL INFRARED LABORATORY MEASUREMENTS
12/27/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: P R CHRISTENSEN
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11543 ARIZONA STATE UNIV 1336
MICROBEAM INVESTIGATIONS OF PRESOLAR & EARLY SOLAR SYSTEM MATERIALS
01/04/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: G HUSS
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11552 ARIZONA STATE UNIV 1337
CHARACTERIZATION OF INDIVIDUAL AEROSOL PARTICLES A SSOCIATED WITH CLOUDS 017YSTAL-FACE)
01/10/2002 - 01/14/2004 FY02: $0 Total: $0
Prin. Invest.: P BUSECK
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11566 ARIZONA STATE UNIV 1338
INJECTION OF SHORT-LIVED RADIOACTIVITIES INTO THE PREOLAR CLOUD
02/08/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: H VANHALA
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11655 ARIZONA STATE UNIV 1339
ANALYSIS OF EXTRATERRESTRIAL VOLCANISM FROM LAVA F LOW-SCALE TO EDIFICE- SCALE PROCESSES
02/11/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: J FINK
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11770 ARIZONA STATE UNIV 1340
CHARACTERIZATION AND HISTORY OF THE PRESOLAR DUST THAT BE-CAME THE SOLAR SYSTEM
02/25/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: G R HUSS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11787 ARIZONA STATE UNIV 1341
STUDIES IN PLANETARY VOLCANOLOGY
02/22/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: R GREELEY
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11809 ARIZONA STATE UNIV 1342
CONTINUED INVESTIGATION OF NEBULAR PROCESSES THROU GH ISOTO-PIC ANALYSES OF PRIMITIVE METEORITE MATE
02/27/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: L A LESHIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11899 ARIZONA STATE UNIV 1343
SECONDARY ION ISOTOPE RATIO DETERMINATION USING A SENSITIVE ELECTROMETER ARRAY DETECTOR
03/27/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: P WILLIAMS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12141 ARIZONA STATE UNIV 1344
SEDIMENTARY MATERIALS IN WESTERN ARABIA AND INTRAC RATER DEPOSITS SIMILARTO WHITE ROCK: CLUES TO PAS
05/08/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: M A PRESLEY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12142 ARIZONA STATE UNIV 1345
ANALYSIS OF AEOLIAN FEATURES AND PROCESSES ON MARS
05/08/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: R GREELEY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12460 ARIZONA STATE UNIV 1346
NEXT GENERATION FRONTIER STUDIES OF GALAXY FORMATI ON AND EVOLUTION WITH NEXT GENERATION SPACE TELES
09/09/2002 - 09/14/2014 FY02: $0 Total: $0
Prin. Invest.: R A WINDHORST
Tech. Officer: GSFC/M GREENHOUSE
CASE Category: 11 – ASTRONOMY

NAG 5 12543 ARIZONA STATE UNIV 1347
HYDROTHERMAL ECOSYSTEMS IN A SOLAR SYSTEM CONTEXT
09/05/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: E SHOCK
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1331 ARIZONA STATE UNIV 1348
GENISIS OF THE CRYSTALLIN HEMATITE DEPOSIT IN SINUS MERIDIANI MARS
07/05/2001 - 06/30/2003 FY02: $22,000 Total: $44,000
Prin. Invest.: P R CHRISTENSON
Tech. Officer: JSC/R V MORRIS
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1359 ARIZONA STATE UNIV 1349
A MICROFLUID BIO REPORTER FOR EXPLORATORY BIO ENGI NEERING
07/27/2001 - 09/30/2004 FY02: $0 Total: $39,000
Prin. Invest.: B C TOWE
Tech. Officer: JSC/D RISEN
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAS 5 31371 ARIZONA STATE UNIV 1350
EOS INVESTIGATION "ADVANCED SPACEBORNE THERMAL EMISSION AND REFLECTION"
12/23/1991 - 06/14/2003 FY02: $0 Total: $1,676,837
Prin. Invest.: P CHRISTENSEN
Tech. Officer: GSFC/H BLODGET
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 1 01051 ARIZONA STATE UNIV 1351
PENETRATION OF HIGH INTENSITY RADIATED FIELDS (HIRF) INTO AIR-CRAFT
05/29/2001 - 05/31/2004 FY02: $0 Total: $54,000
Prin. Invest.: C BALANIS
Tech. Officer: LARC/T X NGUYEN
CASE Category: 45 – ELECTRICAL ENGR

NCC 2 1051 ARIZONA STATE UNIV 1352
EXPLORING THE LIVING UNIVERSE: ORIGIN, EVOLUTION AND DISTRIBU-TION OF LIFE IN THE SOLAR SYSTEM
09/22/1998 - 06/30/2003 FY02: $0 Total: $3,907,192
Prin. Invest.: J D FARMER
Tech. Officer: ARC/R A GRYMES, ARC/W W DOLCI
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1109 ARIZONA STATE UNIV 1353
OPERATION OF THE PLANETARY AEOLIAN LABORATORY
04/02/1999 - 04/30/2003 FY02: $0 Total: $280,800
Prin. Invest.: R GREELEY
Tech. Officer: ARC/S G EDDLEMON, ARC/B F SMITH
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 2 1225 ARIZONA STATE UNIV 1354
HEURISTIC CONTROL OF PLANNING & EXECUTION IN METRI C/TEMPORAL DOMAINS
03/23/2001 - 02/28/2003 FY02: $0 Total: $48,000
Prin. Invest.: S KAMBHAMPATI
Tech. Officer: ARC/R MORRIS
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1232 ARIZONA STATE UNIV 1355
AGENT DEVELOPMENT & CONTROL VERIFICATION USING DUA L CHARACTERIZATION
03/26/2001 - 11/30/2002 FY02: $0 Total: $75,000
Prin. Invest.: C BARAL
Tech. Officer: ARC/R MORRIS
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5362 ARIZONA STATE UNIV 1356
TERA-HERTZ MODULATION OF QUANTUM WELL LASERS WILL AN ELECTRICAL FIELD
01/19/2000 - 12/14/2001 FY02: $0 Total: $47,000
Prin. Invest.: Y ZHANG
Tech. Officer: ARC/M MEYYAPPAN
CASE Category: 13 – PHYSICS

NCC 2 5411 ARIZONA STATE UNIV 1357
ECOGENOMICS: MOLECULAR BIOLOGICAL ANALYSES OF HYPE RSALINE BACTERIAL COMMUNITIES
11/22/2000 - 11/30/2002 FY02: $0 Total: $59,970
Prin. Invest.: F G PICHEL
Tech. Officer: ARC/D J DESMARAIS, ARC/B M BEBOUT
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 1 02013 ARIZONA STATE UNIV 1358
GRADUATE STUDENT RESEARCHER PROGRAM (GSRP)
06/05/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: A CHATTOPADHYAY, C R SWANN
Tech. Officer: LARC/D R AMBUR
CASE Category: 46 – MECHANICAL ENGR

NGT 2 52284 ARIZONA STATE UNIV 1359
THE PROTECTIVE ROLES OF THE ANTIOXIDANT EXZYMES SU PEROXIDE DISMUTASE & CATALASE IN THE GREEN PHOTOS
08/09/2001 - 08/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: R E BLAKENSHIP
Tech. Officer: ARC/L ROTHSCHILD, ARC/E P CONDON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 30221 ARIZONA STATE UNIV 1360
EFFECTS OF TECTONIC PROCESSES AND CLIMATIC FLUCTUA TIONS ON LANDSCAPE DEVELOPMENT
08/26/1999 - 08/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: J R ARROWSMITH
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50276 ARIZONA STATE UNIV 1361
PARTITIONING OF HIGHLY SIDEROPHILE ELEMENTS AT ELEVATED PRESSURE & TEMPERATURE: CONSTRAINTS ON
06/20/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: T SHARP
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 62 ARIZONA STATE UNIV 1362
ASSESSMENT OF PALEOENVIRONMENT ON MARS
05/29/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: P NILES
Tech. Officer: JSC/GMCKAY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10254 DINE COLL (FORMERLY NAVAJO COMM COLL) 1363
INTERNET-BASED EDUCATION & RESEARCH WITH ROBOTIC TELESCOPES FOR NATIVEAMERICAN & HISPANIC
01/10/2001 - 01/14/2004 FY02: $0 Total: $218,000
Prin. Invest.: S SEMKEN
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 9 1172 DINE COLL (FORMERLY NAVAJO COMM COLL) 1364
SCIENCE ENRICHMENT ACTIVITIES
09/28/1999 - 09/29/2001 FY02: $0 Total: $200,000
Prin. Invest.: M C BAUER
Tech. Officer: JSC/L ARMEDARIZ
CASE Category: 49 – ENGINEERING, OTHER

NAG13 99028 DINE COLL (FORMERLY NAVAJO COMM COLL) 1365
EXPANDING THE POOL OF GIS PROFESSIONALS FOR THE NAVAJO NATION
09/02/1999 - 09/27/2001 FY02: $0 Total: $192,080
Prin. Invest.: D ISELY
Tech. Officer: JSC/R TRAVIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 4 234 ESTRELLA MOUNTAIN COMM COLL 1366
NASA PRECOLL ACHIEVEMENT OF EXCELLENCE IN MATHE MATICS, SCIENCE, ENGINEERING, AND TECHNOLOGY (PAC
09/25/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: M A REYES
Tech. Officer: DFRC/M RODAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12476 ESTRELLA MOUNTAIN COMM COLL 1367
NASA ESTRELLA MOUNTAIN CENTER FOR SUCCESS IN MATH AND SCIENCE
09/05/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: M REYES
Tech. Officer: HQ/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 6790 NORTHERN ARIZONA UNIV 1368
INFRARED SPECTROSCOPY OF PLANETARY SATELLITES
02/10/1998 - 09/14/2001 FY02: $0 Total: $164,147
Prin. Invest.: C A GRIFFITH
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7757 NORTHERN ARIZONA UNIV 1369
A PHOTOMETRIC SURVEY OF TRANS-NEPTUNIAN OBJECTS
12/07/1998 - 09/30/2002 FY02: $0 Total: $126,030
Prin. Invest.: S C TEGLER
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8146 NORTHERN ARIZONA UNIV 1370
SPECTROSCOPIC INVESTIGATIONS OF EXTRASOLAR PLANETS AND BROWN DWARFS
02/04/1999 - 09/30/2002 FY02: $0 Total: $58,000
Prin. Invest.: C A GRIFFITH
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8203 **NORTHERN ARIZONA UNIV** **1371**
X-RAY PROCESSING OF COMETARY ICE MIXTURES
02/08/1999 - 01/31/2003 FY02: $0 Total: $102,000
Prin. Invest.: D M CORNELISON
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9214 **NORTHERN ARIZONA UNIV** **1372**
STRUCTURE AND COMPOSITION OF PLANETARY ATMOSPHERES
03/09/2000 - 03/14/2003 FY02: $0 Total: $80,000
Prin. Invest.: R YELLE
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11078 **NORTHERN ARIZONA UNIV** **1373**
DYNAMICS, COMPOSITION, AND THERMAL STRUCTURE OF TITAN'S UPPER ATMOSPHERE
08/06/2001 - 08/14/2004 FY02: $0 Total: $41,802
Prin. Invest.: R YELLE
Tech. Officer: GSFC/D J BOGAN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11239 **NORTHERN ARIZONA UNIV** **1374**
SPECTROSCOPIC INVESTIGATIONS OF TITAN'S ATMOSPHERE AND SURFACE
08/15/2001 - 11/30/2001 FY02: $0 Total: $70,600
Prin. Invest.: C GRIFFITH
Tech. Officer: GSFC/J HILMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11729 **NORTHERN ARIZONA UNIV** **1375**
PROCESSING AND ANALYSIS OF COMETARY ICE MIXTURES
02/14/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: D CORNELISON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12510 **NORTHERN ARIZONA UNIV** **1376**
CONTINUED INVESTIGATIONS OF MARTIAN IMPACT CRATER MORPHOLOGIES AND MORPHOMETRIES
09/05/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: N BARLOW
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NCC 2 5356 **NORTHERN ARIZONA UNIV** **1377**
STUDY OF THE HOST ROCKS OF CARBONACEOUS MATTER FRO M IMPACT DEPOSITS, METEORITES & EXPERIMENTAL PROD
09/29/1999 - 03/31/2001 FY02: $0 Total: $30,000
Prin. Invest.: J H WITTKE
Tech. Officer: ARC/M L FONDA, ARC/T E BUNCH
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5429 **NORTHERN ARIZONA UNIV** **1378**
AN UNSTEADY REYNOLDS-AVERAGED NAVIER-STOKES SIMULA TION OF THE FLOW AROUND AN UNCONFINED CUBOID AT H
03/22/2001 - 06/14/2003 FY02: $0 Total: $38,361
Prin. Invest.: E P DUQUE
Tech. Officer: ARC/C TUNG, ARC/R STRAWN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1409 **PRESCOTT COLL** **1379**
STATE AND LOCAL GOVERNMENT APPLICATIONS PROGRAM
06/07/2000 - 12/31/2001 FY02: $0 Total: $872,000
Prin. Invest.: W W ORR
Tech. Officer: ARC/E P CONDON
CASE Category: 13 – PHYSICS

NAG 5 11550 **PRESCOTT COLL** **1380**
STATE AND LOCAL GOVERNMENT APPLICATIONS PROGRAM
03/06/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: W ORR
Tech. Officer: GSFC/RVENEZIA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2023 **UNIV OF ARIZONA** **1381**
SATELLITE DATA STUDIES OF STRATOSPHERIC OZONE MY 1/3
03/18/1998 - 04/30/2001 FY02: $0 Total: $279,690
Prin. Invest.: L L HOOD
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2041 **UNIV OF ARIZONA** **1382**
DEVELOPMENT OF ANALYSIS METHODS FOR DESIGNING WITH COMPONENTS
03/31/1998 - 03/31/2001 FY02: $0 Total: $270,002
Prin. Invest.: E MADENCI
Tech. Officer: LARC/J H STARNES, LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2052 **UNIV OF ARIZONA** **1383**
BOLTED DOUBLE-LAP JOINTS W/SANDWICH PANELS & LAMINATES UNDER MECH & THERMAL LOADING
04/08/1998 - 04/07/2001 FY02: $0 Total: $155,176
Prin. Invest.: E MADENCI
Tech. Officer: LARC/S P WALKER
CASE Category: 46 – MECHANICAL ENGR

NAG 1 2218 **UNIV OF ARIZONA** **1384**
IMPROVEMENT AND REFINEMENT OF THE GPS/MET (GLOBAL POSITIONING SYS/METEOROLOGY) DATA ANAL ALGORITHM
08/10/1999 - 07/31/2001 FY02: $0 Total: $124,000
Prin. Invest.: B M HERMAN, D S FENG
Tech. Officer: LARC/V E DELNORE, LARC/J L RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2317 **UNIV OF ARIZONA** **1385**
TAILORING OF BONDED AND BOLTED LAP JOINTS AND PATC H REPAIR OF DAMAGED COMPOSITE PANELS
06/28/2000 - 10/31/2002 FY02: $0 Total: $198,450
Prin. Invest.: E MADENCI
Tech. Officer: LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01124 **UNIV OF ARIZONA** **1386**
SAGE II AND SAGE III SATELLITE VALIDATION AND SCIENCE STUDIES
09/18/2001 - 03/31/2004 FY02: $0 Total: $43,700
Prin. Invest.: B M HERMAN
Tech. Officer: LARC/W P CHU
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02017 **UNIV OF ARIZONA** **1387**
SATELLITE DATA STUDIES OF STRATOSPHERIC OZONE MY 1/3
12/07/2001 - 12/06/2004 FY02: $0 Total: $0
Prin. Invest.: L L HOOD
Tech. Officer: LARC/G L MADDREA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1187 **UNIV OF ARIZONA** **1388**
INFLUENCE OF UNWEIGHTING ON INSULIN SIGNAL TRANSDU CTION IN MUSCLE
03/18/1998 - 04/30/2002 FY02: $0 Total: $425,994
Prin. Invest.: M E TISCHLER, E J HENRISKSEN
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1369 **UNIV OF ARIZONA** **1389**
EFFECT OF MICROGRAVITY ON THE DEVELOPMENT OF THE I MMUNE SYSTEM
08/02/1999 - 07/31/2003 FY02: $0 Total: $471,605
Prin. Invest.: D DELUCA
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1446 **UNIV OF ARIZONA** **1390**
CONSTRUCTION METHODS FOR VERY LARGE FORMAT FAR INF RARED ARRAYS
09/28/2000 - 08/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: E T YOUNG
Tech. Officer: ARC/C R MCCREIGHT, ARC/R E MCMURRAY
CASE Category: 11 – ASTRONOMY

NAG 3 1869 **UNIV OF ARIZONA** **1391**
AN EXPERIMENTAL STUDY OF RICHTMYER
05/09/1996 - 05/08/2002 FY02: $0 Total: $414,000
Prin. Invest.: J JACOBS
Tech. Officer: GRC/A T CHAI
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2154 **UNIV OF ARIZONA** **1392**
MODELING OF TRANSPORT PROCESSES IN A SOLID OXIDE E LECTROIZED GENERATING OXYGEN ON MARS
04/10/1998 - 01/31/2002 FY02: $0 Total: $343,750
Prin. Invest.: K R SRIDHAR
Tech. Officer: GRC/J S LING, GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2354 **UNIV OF ARIZONA** **1393**
RESONANCE EFFECTS IN SINGLE-AND DOUBLE-DIFFUSIVE S YSTEMS UNDER GRAVITY MODULATION
03/15/2000 - 11/30/2003 FY02: $0 Total: $145,000
Prin. Invest.: C F CHEN
Tech. Officer: GRC/C E NIEDERHAUS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2725 **UNIV OF ARIZONA** **1394**
AN EXPERIMENTAL INVESTIGATION OF INCOMPRESSIBLE RI CHTMYER-MESHKOV INSTABILITY
03/07/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D NIEDERHAUS
Tech. Officer: GRC/M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3436 **UNIV OF ARIZONA** **1395**
ABSOLUTE RADIOMETRIC CALIBRATION AND ATMOSPHERIC C ORRECTION OF LANDSAT-7 THEMATIC MAPPER.
10/07/1996 - 06/30/2001 FY02: $0 Total: $693,679
Prin. Invest.: C J THOME
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 3631 **UNIV OF ARIZONA** **1396**
PLANET FORMATION AND EVOLUTION: COLLISIONAL AND
02/12/1997 - 09/30/2001 FY02: $0 Total: $426,690
Prin. Invest.: R GREENBERG
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3640 **UNIV OF ARIZONA** **1397**
UTILIZATION OF EOS DATA IN QUANTIFYING THE PROCESS HYDROLOGIC CYCLE IN ARID/SEMI-ARID REGIONS
02/12/1997 - 03/31/2002 FY02: $0 Total: $2,809,008
Prin. Invest.: S SOROOSHAIN
Tech. Officer: GSFC/E Y WOOD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 3791 **UNIV OF ARIZONA** **1398**
A STUDY OF DUST JET EVOLUTION IN COMET HALLEY
03/07/1997 - 08/31/2002 FY02: $0 Total: $233,634
Prin. Invest.: M M LARSON
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 3796 **UNIV OF ARIZONA** **1399**
RELATIVE ABUNDANCES OF 13C, 18O, 15N AND 2H ON TRI B MEASURE-MENTS AND REFLECTANCE SPECTROSCOPY
03/11/1997 - 03/14/2003 FY02: $0 Total: $421,245
Prin. Invest.: D H BROWN
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3914 **UNIV OF ARIZONA** **1400**
SUPPORT FOR THE SPACE IMAGERY CENTER
02/21/1997 - 12/31/2000 FY02: $0 Total: $78,601
Prin. Invest.: R G STROM
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3937 **UNIV OF ARIZONA** **1401**
PLANETARY SPECTROSCOPY
03/26/1997 - 07/31/2001 FY02: $0 Total: $267,280
Prin. Invest.: D FINK
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 3938 **UNIV OF ARIZONA** **1402**
BEGINNING RESEARCH WITH THE 1.8-METER SPACEWATCH T
03/10/1997 - 11/30/2000 FY02: $0 Total: $387,660
Prin. Invest.: D GEHRELS
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 4214 **UNIV OF ARIZONA** **1403**
INTERIORS AND ATMOSPHERES OF THE OUTER PLANETS
03/24/1997 - 12/31/2002 FY02: $0 Total: $336,648
Prin. Invest.: D B HUBBARD
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 4598 **UNIV OF ARIZONA** **1404**
LONG TERM DOPPLER SHIFT AND LINE PROFILE STUDIES O TARGET STARS
05/20/1997 - 02/28/2002 FY02: $0 Total: $410,967
Prin. Invest.: D S MCMILLAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4767 **UNIV OF ARIZONA** **1405**
NOBLE GAS STUDIES OF EARLY SOLAR SYSTEM HISTORY
06/09/1997 - 05/31/2002 FY02: $0 Total: $228,000
Prin. Invest.: D D SWINDLE
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 4832 **UNIV OF ARIZONA** **1406**
COSMOGENIC 14C IN METEORITES AND LUNAR SAMPLES
06/17/1997 - 05/31/2002 FY02: $0 Total: $175,000
Prin. Invest.: D JULL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4834 **UNIV OF ARIZONA** **1407**
TRANSPORT EQUATIONS OF COSMIC RAYS
06/17/1997 - 11/30/2000 FY02: $0 Total: $201,585
Prin. Invest.: M KOTA
Tech. Officer: GSFC/M AFORMAN
CASE Category: 11 – ASTRONOMY

NAG 5 4944 **UNIV OF ARIZONA** **1408**
MINERALOGIC AND TRACE-ELEMENT STUDIES OF METEORITE IMPACTS
06/23/1997 - 03/14/2001 FY02: $0 Total: $799,000
Prin. Invest.: D V BOYNTON
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 5336 **UNIV OF ARIZONA** **1409**
FULL FUNDING FOR THE 1ST YEAR OF THE GRANT FOR $10 K, PI: G. G. WILLIAMS GRANT TITLE: LOTIS (W/ PARK
05/31/2001 - 09/30/2002 FY02: $0 Total: $10,000
Prin. Invest.: G WILLIAMS
Tech. Officer: WFF/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 6339 **UNIV OF ARIZONA** **1410**
VALIDATION AND CORRECTION FOR THE MODIS SPATIAL RE SPONSE
10/02/1997 - 09/30/2002 FY02: $0 Total: $593,294
Prin. Invest.: R SCHOWENGERDT
Tech. Officer: GSFC/D O STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6543 **UNIV OF ARIZONA** **1411**
IMPACT CRATERING AND THE EVOLUTION OF THE TERRESTR IAL PLANETS
12/08/1997 - 09/30/2001 FY02: $0 Total: $592,500
Prin. Invest.: H MELOSH
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6779 **UNIV OF ARIZONA** **1412**
ANALYSIS OF ICE CORES FOR ESTIMATING ACCUMULATION PATTERNS AND PAST ATMOPHERIC CHEMISTRYIN GREE
01/14/1998 - 06/30/2001 FY02: $0 Total: $465,595
Prin. Invest.: R BALES
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7073 **UNIV OF ARIZONA** **1413**
A COMPREHENSIVE THEORY FOR M DWARFS, BROWN DWARFS, AND GIANT PLANETS-ATP
02/24/1998 - 02/14/2002 FY02: $0 Total: $263,467
Prin. Invest.: A S BURROWS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 7083 **UNIV OF ARIZONA** **1414**
INFRARED OBSERVATIONS OF SMALL BODIES IN THE OUTER SOLAR SYSTEM
03/10/1998 - 03/31/2001 FY02: $0 Total: $149,939
Prin. Invest.: R H BROWN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7089 **UNIV OF ARIZONA** **1415**
STRUCTURE OF THE HELIOSPHERE INFERRED FROM VOYAGER UVS MEASUREMENTS
02/23/1998 - 01/31/2003 FY02: $0 Total: $117,700
Prin. Invest.: B R SANDEL
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7215 **UNIV OF ARIZONA** **1416**
INCORPORATION OF NOBLE GASES INTO INTERSTELLAR ICE ANALOGS
03/31/1998 - 05/31/2001 FY02: $0 Total: $87,300
Prin. Invest.: T D SWINDLE
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7249 **UNIV OF ARIZONA** **1417**
MODELING OF MOSS AND LICHEN IN THE BOREAL FORESTS
04/28/1998 - 12/31/2000 FY02: -$281 Total: $141,940
Prin. Invest.: K E SCHAUDT
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7257 **UNIV OF ARIZONA** **1418**
ALGORITHM FOR FUTURE OZONE PROFILING USING LIMB SC ATTER MEASUREMENTS
04/14/1998 - 06/30/2002 FY02: $0 Total: $262,000
Prin. Invest.: B M HERMAN
Tech. Officer: GSFC/R D MCPETERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7364 **UNIV OF ARIZONA** **1419**
THERMAL HISTORY OF PLANETARY MATERIALS: EXPERIMEN TAL & THEO-RETICAL STUDIES, AND APPLICATIONS
04/29/1998 - 04/30/2001 FY02: $0 Total: $179,000
Prin. Invest.: J GANGULY
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7499 **UNIV OF ARIZONA** **1420**
THEORETICAL MODELS OF EXTRASOLAR GIANT PLANETS
06/01/1998 - 04/30/2002 FY02: $0 Total: $145,000
Prin. Invest.: A BURROWS
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7533 **UNIV OF ARIZONA** **1421**
MOSAIC OF CCDS TO SURVEY FOR ASTEROIDS AND COMETS
06/11/1998 - 12/31/2001 FY02: $0 Total: $730,006
Prin. Invest.: R S MCMILLAN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7554 **UNIV OF ARIZONA** **1422**
PRECURSORY SIGNALS ASSOCIATED WITH REGIONAL AND IN TERANNUAL VARIABILITY OF THE NORTH AMERICAN SUMME
06/25/1998 - 06/30/2001 FY02: $0 Total: $399,999
Prin. Invest.: W SHUTTLEWORTH
Tech. Officer: GSFC/E ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7734 **UNIV OF ARIZONA** **1423**
HEAVY ELEMENT ABUNDANCES: CLUES TO THE EVOLUTION OF STAR
12/18/1998 - 10/31/2003 FY02: $0 Total: $342,731
Prin. Invest.: D GARNETT
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7758 **UNIV OF ARIZONA** **1424**
2MASS ASTEROID AND COMET CATALOG
12/08/1998 - 09/30/2001 FY02: $0 Total: $110,700
Prin. Invest.: M V SYKES
Tech. Officer: GSFC/TMORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7780 **UNIV OF ARIZONA** **1425**
WORKSHOP ON SUN-TERRESTRIAL CLIMATE CONNECTIONS
10/29/1998 - 07/31/2001 FY02: $0 Total: $84,017
Prin. Invest.: W A SPRIGG
Tech. Officer: GSFC/J SHARBER
CASE Category: 11 – ASTRONOMY

NAG 5 7793 **UNIV OF ARIZONA** **1426**
THEORY AND MODELING OF ENERGETIC PARTICLE COMPOSIT ION SPECTRA AND ANISOTROPIES AND TIME VARIA
12/10/1998 - 10/31/2001 FY02: $0 Total: $280,414
Prin. Invest.: J GIACALONE
Tech. Officer: GSFC/D C LING
CASE Category: 11 – ASTRONOMY

NAG 5 7834 **UNIV OF ARIZONA** **1427**
A COMPARISON OF OBSERVATIONS AND GCM SIMULATIONS O F THE QUASI-DECADAL OSCILLATION
12/14/1998 - 03/14/2002 FY02: $0 Total: $84,444
Prin. Invest.: L L HOOD
Tech. Officer: GSFC/R RIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7854 **UNIV OF ARIZONA** **1428**
SOLAR SYSTEM RESEARCH WITH THE SPACEWATCH 1.8-M TE LESCOPE
12/07/1998 - 11/30/2001 FY02: $0 Total: $382,450
Prin. Invest.: D S MCMILLAN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7923 **UNIV OF ARIZONA** **1429**
HUBBLE SPACE TELESCOPE ASTRONOMY
12/14/1998 - 09/30/2001 FY02: $0 Total: $5,683,316
Prin. Invest.: R THOMPSON
Tech. Officer: GSFC/J JELETIC
CASE Category: 11 – ASTRONOMY

NAG 5 7966 **UNIV OF ARIZONA** **1430**
STUDY OF SOLAR AND HELIOSPHERIC ENERGETIC IONS VIA ENERGETIC NEUTRAL ATOMS USING CELIAS/SOHO
12/15/1998 - 12/31/2001 FY02: $0 Total: $135,784
Prin. Invest.: K HSIEH
Tech. Officer: GSFC/D C LING
CASE Category: 11 – ASTRONOMY

NAG 5 7994 **UNIV OF ARIZONA** **1431**
THE MARS LOWER AND UPPER ATMOSPHERE: DETAILED COUP LING USING GENERAL CIRCULATION MODELS
01/06/1999 - 01/14/2003 FY02: $0 Total: $249,896
Prin. Invest.: S BOUGHER
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8051 **UNIV OF ARIZONA** **1432**
GALILEO EUV OBSERVATIONS OF IO'S PLASMA TORUS AND JUPITER'S ATMOSPHERE
01/13/1999 - 01/14/2001 FY02: $0 Total: $114,918
Prin. Invest.: D HERBERT
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8095 **UNIV OF ARIZONA** **1433**
PRESERVATION AND ENHANCEMENT OF THE SPACEWATCH DAT A ARCHIVES
01/29/1999 - 01/31/2003 FY02: $0 Total: $127,278
Prin. Invest.: J A LARSEN
Tech. Officer: GSFC/P HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8117 **UNIV OF ARIZONA** **1434**
COMBINED LIDAR AND RASSIVE SENSING TECHNIQUES FOR CHARACTERIZATION OF AEROSOL RADIATIVE EFFECTS
01/26/1999 - 01/31/2002 FY02: $0 Total: $314,862
Prin. Invest.: J A REAGAN
Tech. Officer: GSFC/M MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8152 **UNIV OF ARIZONA** **1435**
MARS GLOBAL SURVEYOR AEROBRAKING: THERMOSPHERE- IONOSHERE TRENDS & MTGCM INTERPRETATION
02/11/1999 - 03/31/2002 FY02: $0 Total: $125,300
Prin. Invest.: S W BOUGHER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8157 **UNIV OF ARIZONA** **1436**
SUPPORT AN EXTENSION SPECIALIST IN GEOSPATIAL INFO RMATION TECHNOLOGY FOR THE STATE OF ARIZONA
02/05/1999 - 01/31/2002 FY02: $0 Total: $399,349
Prin. Invest.: D YOUNG
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8185 **UNIV OF ARIZONA** **1437**
ANALYSIS OF THE CRUSTAL MAGNETIC FIELD OF MARS
02/17/1999 - 02/28/2002 FY02: $0 Total: $124,200
Prin. Invest.: L L HOOD
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8214 UNIV OF ARIZONA 1438
INFLUENCE OF SUBGRID-SCALE HETEROGENEITY ON REMOTE LY SENSED ESTIMATES OF THE AMAZONIAN SURFACE EN
03/01/1999 - 02/28/2003 FY02: $0 Total: $60,001
Prin. Invest.: J W SHUTTLEWORTH
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8239 UNIV OF ARIZONA 1439
A COMPREHENSIVE THEORETICAL STUDY OF THE INNER 10 PARSECS AT THE GALACTIC CENTER (ATP98)
02/26/1999 - 02/28/2002 FY02: $0 Total: $182,404
Prin. Invest.: F MELIA
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8308 UNIV OF ARIZONA 1440
QUANTITATIVE INTERPRETATION OF VOLCANIC FEATURES I N MOC IMAGES
03/03/1999 - 11/30/2001 FY02: $0 Total: $94,300
Prin. Invest.: L KESZTHELYI
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8340 UNIV OF ARIZONA 1441
COLORIMETRY OF THE GALILEAN SATELLITES
04/07/1999 - 03/31/2001 FY02: $0 Total: $74,784
Prin. Invest.: D E GEISSLER
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8341 UNIV OF ARIZONA 1442
MODELS AND MODES OF ENABLING THE USE OF NASA EARTH SCIENCE AND DATA IN DECISION MAKING
04/07/1999 - 12/31/2002 FY02: $0 Total: $580,000
Prin. Invest.: S E MARSH
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8349 UNIV OF ARIZONA 1443
ACCURATE SPECTROPHOTOMETRY OF THE PATHFINDER LANDI NG SITE
02/26/1999 - 02/28/2001 FY02: $0 Total: $145,000
Prin. Invest.: P H SMITH
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8426 UNIV OF ARIZONA 1444
MULTIWAVELENGTH DIAGNOSTICS OF GALAXY EVOLUTION AN D STAR FORMATION LTSA98
04/26/1999 - 04/30/2004 FY02: $0 Total: $365,832
Prin. Invest.: R C KENNICUTT
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8502 UNIV OF ARIZONA 1445
SUPPORT OF ACTIVITIES AND OPERATION OF THE GLOBAL ENERGY AND WATER CYCLE EXPERIMENT SCIENCE STE
05/11/1999 - 05/14/2003 FY02: $0 Total: $507,641
Prin. Invest.: S ROROOSHIAN
Tech. Officer: GSFC/R SCHIEFFER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8503 UNIV OF ARIZONA 1446
AN INTEGRATED INFORMATION SYSTEM FOR MULTI-PURPOSE USER-ADAPTIVE ACCESS TO LAND SURFACE HYDROLOGIC
05/11/1999 - 05/14/2003 FY02: $0 Total: $1,052,325
Prin. Invest.: S SOROOSHIAN
Tech. Officer: GSFC/E WOOD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8660 UNIV OF ARIZONA 1447
VALIDATION OF MODLAND PRODUCTS WITH LIGHT AIRCRAFT AT LBA AND COMM SITES WITH MQUALS.
08/31/1999 - 08/31/2001 FY02: $0 Total: $30,000
Prin. Invest.: A HAUTE
Tech. Officer: GSFC/J PRIVETTE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8686 UNIV OF ARIZONA 1448
MEMBERSHIP TO THE AEROSOL RADIATIVE FORCING SCIENC E TEAM
07/16/1999 - 07/14/2002 FY02: $0 Total: $39,297
Prin. Invest.: K J THOME
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8843 UNIV OF ARIZONA 1449
THE PLANET-B NEUTRAL MASS SPECTROMETER: THERMOSPHE RE-IONOSPHERE STUDIES USING THE MTGCM
10/05/1999 - 10/14/2001 FY02: $0 Total: $50,000
Prin. Invest.: S W BOUGHER
Tech. Officer: GSFC/J E RICHARDS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8911 UNIV OF ARIZONA 1450
COPERNICAN CRATERS AND THE PHANEROZOIC IMPACT FLUX
12/29/1999 - 01/31/2003 FY02: $0 Total: $83,850
Prin. Invest.: A S MCEWEN
Tech. Officer: GSFC/J GRANT
CASE Category: 11 – ASTRONOMY

NAG 5 8937 UNIV OF ARIZONA 1451
NUMERICAL MODELING OF TECTONIC PROCESSES AND METOR ITE IMPACTS ON THE GALILEAN SATELLITES
01/13/2000 - 01/14/2003 FY02: $0 Total: $85,000
Prin. Invest.: E P TURTLE
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8941 UNIV OF ARIZONA 1452
CYCLODIAL LINEAMENTS AND TIDAL TECTONICS ON EUROPA
01/13/2000 - 04/14/2002 FY02: $0 Total: $105,000
Prin. Invest.: R GREENBERG
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8949 UNIV OF ARIZONA 1453
THEORETICAL STUDIES OF VOLATILE PROCESSES IN SOLAR SYSTEM BODIES
01/19/2000 - 01/31/2003 FY02: $0 Total: $58,260
Prin. Invest.: J I LUNINE
Tech. Officer: GSFC/D BOGAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8952 **UNIV OF ARIZONA** **1454**
IO AND ITS PLASMA TORUS: ATMOSPHERE-MAGNETOSPHERE INTERACTIONS
01/21/2000 - 12/31/2002 FY02: $0 Total: $109,340
Prin. Invest.: F HERBERT
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8970 **UNIV OF ARIZONA** **1455**
HYDROCARBONS IN JUPITER'S TROPOSHERE
01/24/2000 - 01/14/2003 FY02: $0 Total: $101,000
Prin. Invest.: D HUNTEN
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9072 **UNIV OF ARIZONA** **1456**
AN ALL-METAL CASSEGRAIN TELESCOPE FOR SPACE APPLI CATIONS
02/15/2000 - 02/14/2003 FY02: $0 Total: $155,360
Prin. Invest.: J HOLBERG
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9079 **UNIV OF ARIZONA** **1457**
ELECTRON TEMPERATURE IN THE IO PLASMA TORUS: THE KEY TO UNDERSTANDING TORUS ENERGY FLOW
02/23/2000 - 02/28/2003 FY02: $0 Total: $128,945
Prin. Invest.: F L HERBERT
Tech. Officer: GSFC/J SHARBER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9081 **UNIV OF ARIZONA** **1458**
NEO FOLLOWUP OBSERVATIONS TO THE NASA NEAR EARTH OBJECTS OBSERVATIONS PROGRAM
02/16/2000 - 02/14/2003 FY02: $0 Total: $142,664
Prin. Invest.: S M LARSON
Tech. Officer: GSFC/T H MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9100 **UNIV OF ARIZONA** **1459**
MICROMACHINING OF THZ WAVEGUIDE AND QUASI-OPTICAL COMPONENTS FOR SUB-ORBITAL AND SPACE-BORNEDETE
02/24/2000 - 01/31/2003 FY02: $0 Total: $303,000
Prin. Invest.: C K WALKER
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9112 **UNIV OF ARIZONA** **1460**
EFFECTS OF LITHOLOGIES ON IMPACT CRATERING: NUMERI CAL MODELING OF KNOWN TERRESTRIAL CRATERS
02/28/2000 - 02/28/2002 FY02: $0 Total: $81,900
Prin. Invest.: E PIERAZZO
Tech. Officer: GSFC/J GRANT
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9174 **UNIV OF ARIZONA** **1461**
PLANNING, COORDINATION, MATERIALS PREPARATION & MARKET SURVEY FOR REGIONAL INFORMATIONAL WORKS
03/06/2000 - 12/31/2001 FY02: $0 Total: $375,493
Prin. Invest.: C F HUTCHINSON
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9176 **UNIV OF ARIZONA** **1462**
INVESTIGATION OF EXTREME TEMPERATURE VOLCANISM ON IO
03/08/2000 - 03/31/2003 FY02: $0 Total: $47,500
Prin. Invest.: L KESZTHELYI
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9181 **UNIV OF ARIZONA** **1463**
ESTABLISHMENT OF ABSOLUTE SPECTROPHOTOMETRIC STANDARD STARS FROM 100 A TO 10,000 A - ADP99
03/07/2000 - 03/14/2002 FY02: $0 Total: $86,434
Prin. Invest.: J HOLBERG
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9182 **UNIV OF ARIZONA** **1464**
ANALYSIS OF THE IUE LOW DISPERSION SPECTRA OF THE WHITE DWARF STARS ADP99
03/07/2000 - 03/14/2002 FY02: $0 Total: $90,528
Prin. Invest.: J HOLBERG
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9198 **UNIV OF ARIZONA** **1465**
AN IN SITU GEOCHRONOLOGY SYSTEM BASED ON LASER-IND UCED BREAKDOWN SPECTROSPECTROSCOPY & NOBLE GAS MA
03/09/2000 - 03/14/2003 FY02: $0 Total: $415,884
Prin. Invest.: T SWINDLE
Tech. Officer: GSFC/B BETTS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9205 **UNIV OF ARIZONA** **1466**
A MULTI-WAVELENGTH STUDY OF THE INNER 50 PC-REGION AT THE GALACTIC CENTER (LTS99)
03/14/2000 - 03/14/2005 FY02: $0 Total: $89,590
Prin. Invest.: F MELIA
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9208 **UNIV OF ARIZONA** **1467**
LIS VALIDATION STUDIES USING LIGHTNING AT THE KSC- ER
03/23/2000 - 03/31/2002 FY02: $0 Total: $99,754
Prin. Invest.: P KRIDER
Tech. Officer: GSFC/D O STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9234 **UNIV OF ARIZONA** **1468**
MEASURING MARTIAN ATMOSPHERIC WATER VAPOR & CARBON DIOXIDE
03/23/2000 - 03/21/2001 FY02: $0 Total: $45,000
Prin. Invest.: A L SPRAGUE
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9293 **UNIV OF ARIZONA** **1469**
REMOTE SENSING FOR DEBRIS FLOODING HAZARD ASSESS MENT IN ARID REGIONS.
03/24/2000 - 03/31/2003 FY02: $0 Total: $150,000
Prin. Invest.: V R BAKER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9306 **UNIV OF ARIZONA** **1470**
QUASARS AS PROBES (LTSA 99)
03/20/2000 - 03/31/2005 FY02: $0 Total: $200,872
Prin. Invest.: C D IMPEY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9325 **UNIV OF ARIZONA** **1471**
NGST AD HOC SCIENCE WORKING GROUP (ASWG) SUPPORT
03/22/2000 - 03/14/2001 FY02: $0 Total: $15,150
Prin. Invest.: M MEYER
Tech. Officer: GSFC/E P SMITH
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 9408 **UNIV OF ARIZONA** **1472**
A DATABASE OF THE WHITE DWARF STARS
04/11/2000 - 04/30/2003 FY02: $0 Total: $274,500
Prin. Invest.: J HOLBERG
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9425 **UNIV OF ARIZONA** **1473**
PENETRATOR-BASED SAMPLE COLLECTION OF COMETS AND OTHER SMALL BODIES
04/17/2000 - 04/30/2003 FY02: $0 Total: $432,791
Prin. Invest.: W BOYNTON
Tech. Officer: GSFC/B BETTS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9435 **UNIV OF ARIZONA** **1474**
GEOCHEMICAL EVOLUTION OF THE EARTH, MOON, IGNEOUS METEORITES & OTHER TERRESTRIAL PLANETARY BODIES
04/24/2000 - 12/31/2002 FY02: $0 Total: $444,000
Prin. Invest.: M J DRAKE
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9465 **UNIV OF ARIZONA** **1475**
A SOUTHERN HEMISPHERE NEO SURVEY
04/18/2000 - 03/31/2003 FY02: $0 Total: $213,323
Prin. Invest.: S LARSON
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9549 **UNIV OF ARIZONA** **1476**
IMPROVING SATELLITE RAIN EST. ALGORITHMS USING A COMBO. OF TRMM INSTANTANEOUS PRECIP. RETRIEVALS
06/19/2000 - 11/30/2002 FY02: $0 Total: $163,110
Prin. Invest.: S SOROOSHIAN
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9577 **UNIV OF ARIZONA** **1477**
INFRARED EMISSION SPECTROSCOPY OF ASTROPHYSICAL MOLECULES
05/17/2000 - 04/30/2001 FY02: $0 Total: $20,000
Prin. Invest.: D F BERNATH
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 9609 **UNIV OF ARIZONA** **1478**
STUDY OF STAR AND PLANETARY SYSTEM FORMATION
05/18/2000 - 03/14/2003 FY02: $0 Total: $54,712
Prin. Invest.: A CAMERON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9691 **UNIV OF ARIZONA** **1479**
A STUDY OF DUST IN AND AROUND GALAXIES
06/26/2000 - 11/14/2002 FY02: $0 Total: $181,283
Prin. Invest.: D F ZARITSKY
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9775 **UNIV OF ARIZONA** **1480**
CHARACTERIZATION OF THE MARTIAN SURFACE FOR FUTURE MISSIONS
06/30/2000 - 06/30/2003 FY02: $0 Total: $75,600
Prin. Invest.: A S MCEWEN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9790 **UNIV OF ARIZONA** **1481**
IDENTIFICATION OF MARTIAN HYDROTHERMAL SITES: A GE OLOGIC INVESTIGATION UTILIZING MULTIPLE DATASETS
07/11/2000 - 07/31/2003 FY02: $0 Total: $120,000
Prin. Invest.: V R BAKER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9796 **UNIV OF ARIZONA** **1482**
REPRESENTING HETEROGENEOUS VEGETATIN IN THE CPTEC ETA MODELS
07/20/2000 - 09/30/2003 FY02: $0 Total: $93,586
Prin. Invest.: W SHUTTLEWORTH
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9803 **UNIV OF ARIZONA** **1483**
SO/GSFC SUPER-LOTIS PROJECT COLLABORATION
07/19/2000 - 07/31/2001 FY02: $0 Total: $31,444
Prin. Invest.: B PETERSON
Tech. Officer: GSFC/N GEHRELS
CASE Category: 11 – ASTRONOMY

NAG 5 9957 **UNIV OF ARIZONA** **1484**
XMM OBSERVATIONS OF ISOLATED ELLIPTICAL GALAXIES
09/13/2000 - 09/14/2002 FY02: $0 Total: $45,500
Prin. Invest.: A I ZABLUDOFF
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10007 **UNIV OF ARIZONA** **1485**
ASSESSMENT OF GRANT PROGRAM UNDER CENTERS OF EXCEL LENCE IN APPLICATIONS OF REMOTE SENSING IN REGION
09/20/2000 - 09/30/2002 FY02: $0 Total: $59,410
Prin. Invest.: M W WALLENDORF
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10123 **UNIV OF ARIZONA** **1486**
SAR INVESTIGATIONS OF LATE PLEISTOCENE PALEOFLOODS PALEOLAKES, AND PALEOCLIMATE
11/28/2000 - 11/30/2003 FY02: $0 Total: $50,000
Prin. Invest.: V BAKER
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10162 **UNIV OF ARIZONA** **1487**
SURFACE CHANGES ON IO
12/20/2000 - 12/31/2003 FY02: $0 Total: $45,000
Prin. Invest.: P GEISSLER
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10166 **UNIV OF ARIZONA** **1488**
OBSERVATIONS AND NUMERICAL MODELING OF TECTONIC PROCESSES ON IO
01/04/2001 - 11/30/2003 FY02: $0 Total: $50,000
Prin. Invest.: E TURTLE
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10167 **UNIV OF ARIZONA** **1489**
TIDAL TECTONIC PROCESSES ON EUROPA: DISPLACEMENTS, STRESS AND CYCLOIDS
01/04/2001 - 11/30/2004 FY02: $0 Total: $50,000
Prin. Invest.: R GREENBERG
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10174 **UNIV OF ARIZONA** **1490**
IMPROVING REGIONAL AND GLOBAL RAINFALL ESTIMATES USING THE COMBINATIONS OF TRMM SATELLITE OBSERVATI
12/21/2000 - 12/31/2001 FY02: $0 Total: $77,500
Prin. Invest.: S SOROOSHIAN
Tech. Officer: GSFC/A J NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10205 **UNIV OF ARIZONA** **1491**
INFRARED & NEAR INFRARED SPECTROSCOPY OF ASTROPHYS ICAL MOLECULES
12/28/2000 - 12/31/2003 FY02: $0 Total: $80,000
Prin. Invest.: P BERNATH
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10245 **UNIV OF ARIZONA** **1492**
ACCRETION ONTO MAGNETIC WHITE DWARFS (FUSE 00)
02/12/2001 - 02/14/2002 FY02: $0 Total: $7,455
Prin. Invest.: G SCHMIDT
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10264 **UNIV OF ARIZONA** **1493**
ANALYSIS OF ICE CORES FOR ESTIMATING ACCUMULATION PATTERNS AND THE INFLUENCE OF ACCUMULATION ON ICE
01/09/2001 - 12/31/2001 FY02: $0 Total: $149,978
Prin. Invest.: R BALES
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10267 **UNIV OF ARIZONA** **1494**
RETRIEVING BI-REFLECTANCE SPECTRA OF ROCKS ILLUMI- NATED BY DIRECT SUNLIGHT & BRIGHT SKY:A RE-E
01/08/2001 - 12/31/2002 FY02: $0 Total: $114,200
Prin. Invest.: P H SMITH
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10294 **UNIV OF ARIZONA** **1495**
EVOLUTION OF VOLATILES IN THE SOLAR SYSTEM
02/08/2001 - 02/14/2003 FY02: $0 Total: $30,000
Prin. Invest.: J I LUNINE
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10315 **UNIV OF ARIZONA** **1496**
A FUSE SEARCH FOR NITROGEN AND CARBON IN HOT WHITE DWARFS - FUSE 2000
01/26/2001 - 04/30/2002 FY02: $0 Total: $46,300
Prin. Invest.: J B HOLBERG
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10332 **UNIV OF ARIZONA** **1497**
SUPPORT FOR SPACE IMAGERY CENTER NASA REGIONAL PLANETARY IMAGE FACILITY
01/30/2001 - 01/31/2005 FY02: $0 Total: $25,000
Prin. Invest.: D KRING
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10333 **UNIV OF ARIZONA** **1498**
SUB-MILLIMETER SPECTROSCOPY OF ASTROPHYSICALLY IMPORTANT METAL-CONTAINING MOLECULES
01/30/2001 - 01/31/2002 FY02: $0 Total: $72,000
Prin. Invest.: L ZIURYS
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10346 **UNIV OF ARIZONA** **1499**
KUIPER BELT DYNAMICS
02/01/2001 - 02/14/2004 FY02: $0 Total: $40,000
Prin. Invest.: R MALHOTRA
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10441 **UNIV OF ARIZONA** **1500**
AN INFRARED STUDY OF SPACECRAFT TARGETED COMETS
02/16/2001 - 02/29/2004 FY02: $0 Total: $49,400
Prin. Invest.: H CAMPINS
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10442 **UNIV OF ARIZONA** **1501**
2MASS ASTEROIDS, COMETS & SATELLITES
02/16/2001 - 02/28/2003 FY02: $0 Total: $30,900
Prin. Invest.: M SYKES
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10446 **UNIV OF ARIZONA** **1502**
INFRARED OBSERVATIONS OF SMALL BODIES
02/20/2001 - 03/31/2004 FY02: $0 Total: $79,400
Prin. Invest.: R BROWN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10447 **UNIV OF ARIZONA** **1503**
SPACEWATCH SURVEY OF THE SOLAR SYSTEM
02/20/2001 - 01/31/2004 FY02: $0 Total: $80,000
Prin. Invest.: R MCMILLAN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10450 UNIV OF ARIZONA 1504
COUPLED PHYSICAL & CHEMICAL PROCESSES IN THE SOLAR NEBULA & EXTRASOLAR PLANETS
02/20/2001 - 01/31/2004 FY02: $0 Total: $40,000
Prin. Invest.: J LUNINE
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10452 UNIV OF ARIZONA 1505
MINERALOGIC & TRACE-ELEMENT STUDIES OF METEORITES & METEORITE IMPACTS
02/21/2001 - 08/31/2002 FY02: $0 Total: $180,000
Prin. Invest.: W BOYNTON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10486 UNIV OF ARIZONA 1506
THERMAL HISTORY OF PLANETARY MATERIALS: THEORY, EXPERIMENTS & APPLICATIONS
03/05/2001 - 04/30/2004 FY02: $0 Total: $70,000
Prin. Invest.: J GANGULY
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10543 UNIV OF ARIZONA 1507
SOUTHERN HEMISPHERE NEO SURVEY INSTRUMENTATION
03/14/2001 - 03/14/2003 FY02: $0 Total: $500,000
Prin. Invest.: S LARSON
Tech. Officer: GSFC/T MORGAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10592 UNIV OF ARIZONA 1508
IMPACTS & ENVIRONMENTAL CATASTROPHES: A STUDY OF THE EFFECTS OF IMPACT EVENTS ON THE CLIMATE SYST
03/21/2001 - 03/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: E PIERAZZO
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10629 UNIV OF ARIZONA 1509
THE CLASSIFICATION AND DETECTABILITYOF SUBSTELLAR- MASS OBJECTS
03/17/2001 - 03/31/2003 FY02: $0 Total: $45,000
Prin. Invest.: A BURROWS
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10643 UNIV OF ARIZONA 1510
CODES & DECODERS FOR BANDWIDTH-EFFICIENT COMMUNICA TIONS IN NEAR-EARTH MISSIONS.
03/21/2001 - 03/31/2003 FY02: $0 Total: $87,273
Prin. Invest.: W RYAN
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10660 UNIV OF ARIZONA 1511
IMPROVED MARS UPPER ATMOSPHERE CLIMATOLOGY
03/21/2001 - 03/31/2002 FY02: $0 Total: $80,000
Prin. Invest.: S BOUGHER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10700 UNIV OF ARIZONA 1512
TEMPERATURE, GRAVITY AND COMPOSITION OF DAO WHITE DWARFS - FUSE 2000
04/13/2001 - 10/14/2002 FY02: $0 Total: $18,300
Prin. Invest.: J B HOLBERG
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10734 UNIV OF ARIZONA 1513
INCORPORATION OF NOBLE GASES INTO ANALOGS FOR INTERSTELLAR CARBONACEOUS AND METALLIC MATERIALS
04/18/2001 - 04/30/2002 FY02: $0 Total: $20,000
Prin. Invest.: T SWINDLE
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10749 UNIV OF ARIZONA 1514
CAPTURING PLANETARY SCIENCE DATA FROM NASA SUPPORT ED RESEARCH
04/13/2001 - 04/14/2004 FY02: $0 Total: $126,000
Prin. Invest.: M V SYKES
Tech. Officer: GSFC/P E HUNTER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10760 UNIV OF ARIZONA 1515
THEORY OF BROWN DWARFS & GIANT PLANETS (ATP-2000)
04/23/2001 - 04/30/2004 FY02: $0 Total: $80,000
Prin. Invest.: A S BURROWS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10827 UNIV OF ARIZONA 1516
THE SMALL SCALE STRUCTURE OF THE UNIVERSE (ATP 2000)
05/01/2001 - 05/14/2004 FY02: $0 Total: $88,244
Prin. Invest.: M STEINMETZ
Tech. Officer: GSFC/R OLIVERSON
CASE Category: 11 – ASTRONOMY

NAG 5 10843 UNIV OF ARIZONA 1517
RECALIBRATION OF THE NEAR INFRARED CAMERA & MULTI- OBJECT SPECTROMETER (NICMOS) & ANALYSIS OF
05/04/2001 - 06/14/2004 FY02: $0 Total: $1,127,294
Prin. Invest.: R THOMPSON
Tech. Officer: GSFC/J JELETIC
CASE Category: 11 – ASTRONOMY

NAG 5 10853 UNIV OF ARIZONA 1518
OPERATION & OPTIMIZATION OF THE CATALINA SKY SURVEY FOR NEOS
05/02/2001 - 04/30/2004 FY02: $0 Total: $456,500
Prin. Invest.: S LARSEN
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10884 UNIV OF ARIZONA 1519
ENERGETIC PARTICLES AND THE EARTH'S ENVIRONMENT IN SPACE
05/03/2001 - 04/30/2004 FY02: $0 Total: $96,451
Prin. Invest.: J KOTA
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10893 UNIV OF ARIZONA 1520
MODELING SUPPORT FOR SEC OBSERVATIONS
05/10/2001 - 05/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: J JOKIPII
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10961 UNIV OF ARIZONA 1521
INSTRUMENT UPGRADE: OFFNER SPECTROMETER VISIBLE UPGRADE & EXTENSION DESIGN TO 2.5 MICR
05/23/2001 - 06/30/2003 FY02: $0 Total: $74,200
Prin. Invest.: U FINK
Tech. Officer: GSFC/T MORGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10974 UNIV OF ARIZONA 1522
WAVES, TURBULENCE AND ENERGETIC PARTICLES IN THE HELIOSPHERE
05/29/2001 - 05/31/2004 FY02: $0 Total: $77,566
Prin. Invest.: G M WEBB
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10990 UNIV OF ARIZONA 1523
THEORY OF ENERGETIC PARTICLE TRANSPORT IN HELIO- SPHERIC & SOLAR PLASMAS
06/05/2001 - 06/14/2004 FY02: $0 Total: $75,000
Prin. Invest.: J R JOKIPII
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11044 UNIV OF ARIZONA 1524
MONITORING & PREDICTION OF WATER DISTRIBUTION/ AVAILABILITY IN SEMI-ARID REGIONS
07/05/2001 - 06/14/2004 FY02: $0 Total: $525,000
Prin. Invest.: S SOROOSHIAN
Tech. Officer: GSFC/M JASINSKI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11108 UNIV OF ARIZONA 1525
CONSTRAINING THE DARK MATTER HALOS OF GIANT ELLIPT ICAL GALAX-IES
07/13/2001 - 08/31/2006 FY02: $0 Total: $99,861
Prin. Invest.: A I ZABLUDOFF
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11153 UNIV OF ARIZONA 1526
STUDIES OF COSMOGONIC PROCESSES
08/02/2001 - 07/31/2004 FY02: $0 Total: $25,000
Prin. Invest.: A CAMERON
Tech. Officer: GSFC/J MBOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11163 UNIV OF ARIZONA 1527
ASSIMILATION OF GPS METEOROLOGICAL DATA INTO WEATH ER AND CLIMATE ANALYSES.
08/07/2001 - 08/14/2002 FY02: $0 Total: $33,801
Prin. Invest.: E KURINSKI
Tech. Officer: GSFC/J JOINER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11166 UNIV OF ARIZONA 1528
INTER-CALIBRATION AND UTILIZATION OF GROUND-BASED AND TES DATA TO STUDY MARTIAN WATER VAPOR
08/07/2001 - 08/14/2003 FY02: $0 Total: $67,500
Prin. Invest.: A L SPRAGUE
Tech. Officer: GSFC/J M BOYCE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11168 UNIV OF ARIZONA 1529
PALEOMAGNETIC INVESTIGATION OF POLAR REORIENTATION ON MARS
08/07/2001 - 08/14/2004 FY02: $0 Total: $48,728
Prin. Invest.: L L HOOD
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11169 UNIV OF ARIZONA 1530
MONITORING THE GEOLOGICAL ACTIVITY OF MARS
08/07/2001 - 08/14/2004 FY02: $0 Total: $54,000
Prin. Invest.: P E GEISSLER
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11183 UNIV OF ARIZONA 1531
MGS RADIO SCIENCE ELECTRON DENSITY PROFILES AND IM PLICTIONS FOR THE NEUTRAL ATMOSPHERE
08/13/2001 - 08/14/2002 FY02: $0 Total: $45,000
Prin. Invest.: S W BOUGHER
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11188 UNIV OF ARIZONA 1532
RETRIEVAL OF CLOUD PRESSURE FROM OMI MEASUREMENTS USING ROTATIONAL RAMAN SCATTERING
08/07/2001 - 08/14/2003 FY02: $0 Total: $29,000
Prin. Invest.: D FLITTNER
Tech. Officer: GSFC/J JOINER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11195 UNIV OF ARIZONA 1533
COOPERATIVE CENTER FOR ATMOSPHERIC SCIENCE AND TECHNOLOGY
08/30/2001 - 09/30/2004 FY02: $0 Total: $91,223
Prin. Invest.: R LOUGHMAN
Tech. Officer: GSFC/W HOEGY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11316 UNIV OF ARIZONA 1534
USE OF AIRBORNE REMOTE SENSING FOR UNCERTAINTY ASSESSMENTS IN REGIONAL EXTRAPOLATIONS OF GROUND
09/17/2001 - 12/14/2001 FY02: $0 Total: $87,368
Prin. Invest.: A R HUETE
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11339 UNIV OF ARIZONA 1535
LANDSAT RADIOMETRIC CALIBRATION: TOWARDS A 20 YEA R RECORD OF CALIRATED THEMATIC MAPPER CLASS DATA
09/14/2001 - 09/14/2004 FY02: $0 Total: $114,999
Prin. Invest.: K THOME
Tech. Officer: GSFC/B L MARKHAM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11348 UNIV OF ARIZONA 1536
STEWARD OBSERVATORY'S GSFC GCN/SUPERLOTIS PROJECT COLLABORATION
09/26/2001 - 07/31/2004 FY02: $0 Total: $23,063
Prin. Invest.: B PETERSON
Tech. Officer: GSFC/S D BARTHELOMY
CASE Category: 11 – ASTRONOMY

NAG 5 11355 UNIV OF ARIZONA 1537
ASU/MICHIGAN COLLABORATION: THE ABUNDANCE & ISOTOP IC COMPOSITION OF HG IN EXTRATERRESTRIALMATERIA
09/21/2001 - 02/28/2004 FY02: $0 Total: $16,842
Prin. Invest.: D LAURETTA
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11381 UNIV OF ARIZONA 1538
ESTIMATING GLOBAL RAINFALL AND STUDYING PRECIPITA TION DIURNAL CYCLE USING THE COMBINATIONS OF TRMM
10/30/2001 - 12/31/2003 FY02: $61,912 Total: $61,912
Prin. Invest.: S SOROOSHIAN
Tech. Officer: GSFC/A J NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11433 UNIV OF ARIZONA 1539
LARGE FORMAT FAR-INFRARED DETECTOR ARRAYS
12/05/2001 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: E T YOUNG
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11461 UNIV OF ARIZONA 1540
SUPPORT RESEARCH AND SCIENCE REQUIREMENTS AND CAPA BILITIES AND THE INSTRUMENT FUNCTIONS NEEDED
12/07/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: D H REIKE
Tech. Officer: GSFC/D C MATHER
CASE Category: 11 – ASTRONOMY

NAG 5 11471 UNIV OF ARIZONA 1541
SUB-MILLIMETER SPECTROSCOPY OF ASTROPHYSICALLY IMPORTANT METAL-CONTAINING MOLECULES
12/14/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: L M ZIURYS
Tech. Officer: GSFC/G STRINFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11493 UNIV OF ARIZONA 1542
IMPACT CRATERING AND THE EVOLUTION OF THE TERRESTR IAL PLANETS
12/27/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: H J MELOSH
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11497 UNIV OF ARIZONA 1543
COLLISIONAL AND DYNAMICAL PROCESSES OF PLANETARY E VOLUTION
12/28/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: R GREENBERG
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11565 UNIV OF ARIZONA 1544
GAS-GRAIN INTERACTIONS
02/08/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: L L HOOD
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11596 UNIV OF ARIZONA 1545
SOHO'S OBSERVATION OF HELIOSPHERIC ENERGETIC NEUTR AL ATOMS. NEW SEC GRANT.
01/17/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: K HSIEH
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11661 UNIV OF ARIZONA 1546
DYNAMICAL PROCESSES IN THE EARLY SOLAR SYSTEM
02/07/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: R MALHOTRA
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11745 UNIV OF ARIZONA 1547
MINERALOGIC AND TRACE-ELEMENT STUDIES OF METEORITE S
02/20/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: W BOYNTON
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11828 UNIV OF ARIZONA 1548
SPACEWATCH SURVEY AND STUDY OF HAZARDOUS ASTEROIDS AND COMETS
03/06/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: R S MCMILLAN
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11838 UNIV OF ARIZONA 1549
FUNDING FOR "POWER AND BANDWITH-EFFICIENT COMMUNIC ATIONS IN NEAR-EARTH MISSIONS VIA MULTILEVEL LDP
03/07/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: W RYAN
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11957 UNIV OF ARIZONA 1550
MODELS AND MODES OF ENABLING THE USE OF NASA EARTH SCIENCE AND DATA IN DECISION MAKING
04/02/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: S E MARSH
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11968 UNIV OF ARIZONA 1551
A FUSE DETERMINATION OF THE GRAVITATIONAL REDSHIFT AND SPECTROSCOPIC MASS OF SIRIUS B
04/03/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: J B HOLBERG
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11979 UNIV OF ARIZONA 1552
COSMOGENIC 14C AND 10BE IN METEORITES AND LUNAR SA MPLES
04/08/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: A JULL
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12014 UNIV OF ARIZONA 1553
MODELING THE ATMOSPHERES OF URANUS AND SATURN
04/22/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: K KARKOSCHKA
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12059 UNIV OF ARIZONA 1554
NOBLE GAS STUDIES OF EARLY SOLAR SYSTEM HISTORY
04/19/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: T SWINDLE
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12086 UNIV OF ARIZONA 1555
FIRST NULLING & SIMULTANEOUS DIFFERENTIAL IMAGING SURVEY FOR MASSIVE PLANETS
04/30/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: L CLOSE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12152 UNIV OF ARIZONA 1556
SUPPORT OF ACTIVITIES AND OPERATION OF THE GLOBAL ENERGY AND WATER CYCLE EXPERIMENT SCIENCE STEERING
05/13/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: S SOROOSHIAN
Tech. Officer: GSFC/J KAYE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12272 UNIV OF ARIZONA 1557
SPECTROSCOPIC INVESTIGATIONS OF TITAN'S ATMOSPHERE AND SURFACE
06/27/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: C GRIFFITH
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12318 UNIV OF ARIZONA 1558
MID INFRARED INSTRUMENT (MIRI) PRINCIPAL INVESTIGA TOR FOR THE NEXT GENERATION SPACE TELESCOPE
07/08/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: G RIEKE
Tech. Officer: GSFC/M GREENHOUSE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12433 UNIV OF ARIZONA 1559
OBSERVATIONAL AND MECHANISTIC MODEL STUDIES OF THE QUASI-DECADAL OSCILLATION
08/01/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: L L HOOD
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12459 UNIV OF ARIZONA 1560
INTERDISCIPLINARY SCIENTIST INVESTIGATIONS IN ASTR OBIOLOGY FOR NEXT GENERATION SPACE TELESCOPE
09/09/2002 - 09/14/2013 FY02: $0 Total: $0
Prin. Invest.: J I LUNINE
Tech. Officer: GSFC/M GREENHOUSE
CASE Category: 11 – ASTRONOMY

NAG 5 12461 UNIV OF ARIZONA 1561
SIGNAL APLLICATION, CALIBRATION AND CORRECTION ALG ORITHMS FOR THE GLAS ATMOSPHERIC CHANNE
08/13/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: D A REAGAN
Tech. Officer: GSFC/J D SPINHIRNE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12471 UNIV OF ARIZONA 1562
ANALYSIS OF THE CRUSTAL MAGNETIC FIELD OF MARS
08/15/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: L L HOOD
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12484 UNIV OF ARIZONA 1563
ASSIMILATION OF NASA SCIENCE RESULTS AND DATA INTO NATIONAL DECISION SUPPORT SYSTEMS
08/26/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C F HUTCHINSON
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12619 UNIV OF ARIZONA 1564
IMPACT RECORDS ON ASTEROIDS: INTEGRATIVE EVALUATIO N OF THE BOMBARDING POPULATION, COLLISONAL PROC
09/26/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: R GREENBERG
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1469 UNIV OF ARIZONA 1565
DEVELOPMENT OF SUPERIOR MATERIALS FOR LAYERED SOLID OXIDE ELECTROLYZERS BASED ON MECHANICAL
04/17/1998 - 01/31/2003 FY02: $0 Total: $268,750
Prin. Invest.: J R SRIDHAR
Tech. Officer: MSFC/P M DOTY
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1520 UNIV OF ARIZONA 1566
QUANTIFYING THE EFFECTS OF SUB-GRID TOPOGRAPHY & VEGETATION ON SEASONAL SNOW COVER, RELATED SNOWMLT
05/29/1998 - 03/31/2002 FY02: $0 Total: $347,829
Prin. Invest.: Z YANG, R BALES, R E DICKINSON
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1523 UNIV OF ARIZONA 1567
IMPROVING GCM MODELING THRU HYDROLOGICALLY REAL- ISTIC SUB-GRID REPRESENTATION OF LAND-ATMOSPHERE
05/26/1998 - 05/31/2001 FY02: $0 Total: $519,764
Prin. Invest.: S SOROOSHIAN, H GUPTA, X GAO
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1531 UNIV OF ARIZONA 1568
INFLUENCE OF SUBGRID SCALE HETEROGENEITY ON REMOTELY SENSED SURFACE TEMPERATURES
06/01/1998 - 12/31/2001 FY02: $0 Total: $600,000
Prin. Invest.: W J SHUTTLEWORTH, J J TOTH
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1654 UNIV OF ARIZONA 1569
MARS ATMOSPHERE AND DUST IN OPTICAL AND RADIO (MATADOR)
01/19/2000 - 09/30/2002 FY02: $0 Total: $328,175
Prin. Invest.: P H SMITH
Tech. Officer: MSFC/C A DARBY
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 8 1667 UNIV OF ARIZONA 1570
GROWTH OF ROD EUTECTICS
05/24/2000 - 11/30/2003 FY02: $0 Total: $125,500
Prin. Invest.: K J JACKSON
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1754 UNIV OF ARIZONA 1571
A PHYSICALLY BASED INVESTIGATION OF TROPICAL CONVECTIVE REGIMES
01/23/2001 - 01/29/2004 FY02: $0 Total: $50,000
Prin. Invest.: D J BOCCIPPIO
Tech. Officer: MSFC/J D ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1775 UNIV OF ARIZONA 1572
ATOM OPTICS IN CONTROLLED AND MICROGRAVITY ENVIRIO NMNETS
04/24/2001 - 04/30/2005 FY02: $0 Total: $80,000
Prin. Invest.: P MEYSTRE
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 923 UNIV OF ARIZONA 1573
POLYCRYSTALLINE ZIRCONIA ELEC CELL STACK FOR CO2 ELECTROLYSIS
01/29/1997 - 05/31/2002 FY02: $0 Total: $380,749
Prin. Invest.: K R SRIDHAR
Tech. Officer: JSC/R S BAIRD
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1175 UNIV OF ARIZONA 1574
SIMULTANEOUS PRODUCTION OF OXYGEN AND METHANE USING ZIRCONIA ELECTROLYSIS
11/03/1999 - 11/09/2001 FY02: $0 Total: $89,869
Prin. Invest.: K R SRIDHAR
Tech. Officer: JSC/R S BAIRD
CASE Category: 43 – CHEMICAL ENGR

NAG 9 1212 UNIV OF ARIZONA 1575
ULTRA HIGH SPATIAL RESOLUTION HARD X-RAY DETECTORS
06/30/2000 - 06/30/2003 FY02: $0 Total: $99,919
Prin. Invest.: H B
Tech. Officer: JSC/L C SHACKELFORD
CASE Category: 13 – PHYSICS

NAG 9 1229 UNIV OF ARIZONA 1576
DEFINITION PHASE STUDY REPORT FOR END TO END ISRU MARS FLIGHT EXPERIMENT
05/10/2000 - 02/09/2001 FY02: $0 Total: $850,000
Prin. Invest.: K R SRIDHAR
Tech. Officer: JSC/J CONNOLLY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 1307 UNIV OF ARIZONA 1577
SCANNING CHEMICAL MICROSCOPY USING SURFACE ENHANCE D RAMAN SCATTERING
05/23/2001 - 02/28/2003 FY02: $0 Total: $222,000
Prin. Invest.: D SARID
Tech. Officer: JSC/D MCKAY
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1378 UNIV OF ARIZONA 1578
TESTING OF COMPACT & ROBUST HIGH INTENSITY WATER JACKETED PLANT LIGHTING SYSTEM
08/24/2001 - 07/31/2004 FY02: $0 Total: $10,550
Prin. Invest.: G GIACOMELLI
Tech. Officer: JSC/D BARTA
CASE Category: 55 – AGRICULTURE

NAG10 255 UNIV OF ARIZONA 1579
RESEARCH HYBRID SOLAR AND ARTIFICIAL LIGHTING FOR SPACE LIFE SUPPORT
03/17/1999 - 03/15/2002 FY02: $0 Total: $212,031
Prin. Invest.: J L CUELLO
Tech. Officer: KSC/R WHEELER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG10 286 UNIV OF ARIZONA 1580
STUDIES OF ATMOSPHERIC ELECTRICITY AT THE KENNEDY SPACE CENTER AND EASTERN RANGE
06/05/2000 - 09/15/2002 FY02: $0 Total: $222,638
Prin. Invest.: E KRIDER
Tech. Officer: KSC/J MADURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG10 302 UNIV OF ARIZONA 1581
SAFELY REDUCE THE IMPACT OF LIGHTNING ON GROUND PR OCESSING, LAUNCH, FLIGHT AND LANDING ON OPERATION
06/22/2001 - 06/30/2006 FY02: $0 Total: $63,000
Prin. Invest.: E KRIDER
Tech. Officer: KSC/J MADURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG13 02001 UNIV OF ARIZONA 1582
REMOTE SENSING TOOLS FOR MONITORING AND MANAGING A SENSITIVE, ARID-ZONE RIPARIAN CORRIDOR: THE LOW
11/26/2001 - 09/23/2004 FY02: $0 Total: $0
Prin. Invest.: E P GLENN
Tech. Officer: SSC/C DEL CASTILLO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 02004 UNIV OF ARIZONA 1583
ESTABLISHING A BASIS FOR CARBON MANAGEMENT POLICY AT THE STATE LEVEL: CARBON DYNAMICS AT SITE, LANDS
12/10/2001 - 09/16/2004 FY02: $0 Total: $0
Prin. Invest.: C F HUTCHINSON
Tech. Officer: SSC/R HARRIS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 02044 **UNIV OF ARIZONA** **1584**
RADIOMETRIC AND SPATIAL CHARACTERIZATION OF HIGH-S PATIAL RESOLUTION SENSORS
08/09/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: K THOME
Tech. Officer: SSC/V ZANONI
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG13 99005 **UNIV OF ARIZONA** **1585**
NASA SOUTHWEST EARTH SCIENCE APPLICATIONS CENTER SAME
02/19/1999 - 08/31/2002 FY02: $0 Total: $1,499,981
Prin. Invest.: R DAVIS
Tech. Officer: SSC/C HILL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 1 18939 **UNIV OF ARIZONA** **1586**
SAGE III SCIENCE INVESTIGATION SUPPORT - P.I. - B. HERMAN
02/28/1990 - 01/31/2005 FY02: $0 Total: $1,074,500
Prin. Invest.: B M HERMAN
Tech. Officer: LARC/G L MADDREA JR, LARC/L R MCMASTER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 99055 **UNIV OF ARIZONA** **1587**
ACTIVE TROPOSPHERIC OZONE AND MOISTURE SOUNDER (ATOMS)
04/21/1999 - 09/30/2002 FY02: $0 Total: $462,641
Prin. Invest.: B M HERMAN
Tech. Officer: LARC/J R HILL, LARC/F PERI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 99102 **UNIV OF ARIZONA** **1588**
PICASSO-CENA SCIENCE TEAM SUPPORT FOR AERSOL AND CLOUD STUDIES
05/17/1999 - 05/16/2003 FY02: $0 Total: $257,302
Prin. Invest.: J A REAGAN
Tech. Officer: LARC/G GIBSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 2 00117 **UNIV OF ARIZONA** **1589**
RESEARCH PROJECT-DEVEL AND TEST ULTRA HIGH DENSITY FAST READOUT OPTICAL STORAGE
10/31/2000 - 10/31/2003 FY02: $0 Total: $660,834
Prin. Invest.: T MILSTER, F AKHAVAN
Tech. Officer: ARC/S LAU, ARC/R CARVALLHO
CASE Category: 22 – COMPUTER SCIENCE

NAS 5 00197 **UNIV OF ARIZONA** **1590**
R & D TO SUPPORT GSFC'S SIMBIOS PROJECT ORIGINAL POP 11/30/01
12/21/2000 - 01/31/2002 FY02: $0 Total: $137,909
Prin. Invest.: J ZALEWSKI
Tech. Officer: GSFC/C R MCCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NAS 5 02105 **UNIV OF ARIZONA** **1591**
NGST NIR CAM - PHASE A
07/17/2002 - 02/01/2003 FY02: $0 Total: $0
Prin. Invest.: M RIEKE
Tech. Officer: GSFC/R C SMITH
CASE Category: 11 – ASTRONOMY

NAS 5 31364 **UNIV OF ARIZONA** **1592**
EOS/MODIS INVESTIGATION FROM DR. HUETE
01/24/1992 - 06/14/2003 FY02: $0 Total: $3,943,109
Prin. Invest.: A HUETE
Tech. Officer: GSFC/H OSEROFF
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 31717 **UNIV OF ARIZONA** **1593**
EOS INVESTIGATION
01/03/1992 - 06/14/2003 FY02: $0 Total: $8,457,134
Prin. Invest.: P N SLATER
Tech. Officer: GSFC/L STUART
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 8 97309 **UNIV OF ARIZONA** **1594**
FABRICATION, TEST, AND DELIVERY OF PRIMARY MIRROR SYSTEM DEMONSTRATOR.
07/17/1997 - 12/20/2002 FY02: $0 Total: $6,462,490
Prin. Invest.: J H BURGE
Tech. Officer: MSFC/D JACOBSON
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 1342 **UNIV OF ARIZONA** **1595**
INTERPLANETARY TRANSFER OF ENDOLITHIC BACTERIA IN IMPACT EJECTA
05/23/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: W NICHOLSON, P FAJARDO-CAVAZOS, H J MELOSH
Tech. Officer: ARC/M FONDA, ARC/D DEVINCENZI
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5357 **UNIV OF ARIZONA** **1596**
ISRU TECHNOLGIES FOR MARS LIFE SUPPORT
09/29/1999 - 09/30/2002 FY02: $0 Total: $103,049
Prin. Invest.: K R SRIDHAR
Tech. Officer: ARC/J E FINN
CASE Category: 46 – MECHANICAL ENGR

NCC 2 5375 **UNIV OF ARIZONA** **1597**
DEVELOPMENT OF A SYSTEM FOR QUANTIFYING IN VIVO BO NE STRAINS IN RODENTS IN NORMAL AND ALTERED GRAVI
03/31/2000 - 03/31/2001 FY02: $0 Total: $10,208
Prin. Invest.: J SZIVEK
Tech. Officer: ARC/J SCHONFELD
CASE Category: 56 – MEDICL

NCC 2 5385 **UNIV OF ARIZONA** **1598**
SOLID STATE SENSORS FOR AEROASSIST TECHNOLOGY APPLECATIONS
06/01/2000 - 09/30/2002 FY02: $0 Total: $73,300
Prin. Invest.: K R SRIDHAR
Tech. Officer: ARC/G A RAICHE, ARC/P F WERCINSKI
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5477 **UNIV OF ARIZONA** **1599**
FINDING THE TRUE COLOR OF MARTIAN ROCKS
01/29/2002 - 01/14/2003 FY02: $0 Total: $0
Prin. Invest.: P H SMITH
Tech. Officer: ARC/CSTOKER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 5487 **UNIV OF ARIZONA** **1600**
FEASIBILITY STUDY FOR QUICK COLLING OF BIOLOGICAL SAMPLES ON A NANOSATELLITE
03/19/2002 - 07/14/2003 FY02: $0 Total: $0
Prin. Invest.: K R SRIDHAR
Tech. Officer: ARC/R D MACELROY, ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5518 **UNIV OF ARIZONA** **1601**
TIDAL DISSAPATION IN THE GIANT PLANETS
08/21/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: A SHOWMAN
Tech. Officer: ARC/R E YOUNG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 3 991 **UNIV OF ARIZONA** **1602**
OPTIMAL PLACING OF ROUGHNESS ELEMENTS FOR SEPARATI ON DELAY IN LPT AIRFOILS
07/31/2002 - 09/20/2002 FY02: $0 Total: $0
Prin. Invest.: A TUMIN
Tech. Officer: GRC/D E ASHPIS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 355 **UNIV OF ARIZONA** **1603**
PROPOSAL FOR GRADUATE STUDENT SUPPORT UNDER CCAST. NOW INCLUDES ADDITIONAL SUPP
08/04/1998 - 09/30/2001 FY02: $0 Total: $539,798
Prin. Invest.: B M HERMAN
Tech. Officer: GSFC/A J NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 460 **UNIV OF ARIZONA** **1604**
RADIOMETRIC CALIBRATION, SPATIAL CHARACTERIZATION, AND SPECTRAL EVALUATION OF THE ADVANCED LAND IMAG
03/03/2000 - 12/31/2002 FY02: $2,500 Total: $418,505
Prin. Invest.: S F BIGGAR
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 478 **UNIV OF ARIZONA** **1605**
INTER-SENSOR CALIBRATION OF VEGETATION INDICES FOR MONITORING AND CONTINUITY STUDIES
03/22/2000 - 09/30/2003 FY02: $2,500 Total: $288,124
Prin. Invest.: A R HUETE
Tech. Officer: GSFC/S G UNGER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 603 **UNIV OF ARIZONA** **1606**
USE OF AIRBORNE REMOTE SENSING FOR UNCERTAINTY ASS ESSMENTS IN REGIONAL EXTRAPOLATIONS OF GROUND LB
12/06/2001 - 09/14/2004 FY02: $0 Total: $0
Prin. Invest.: A R HUETE
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 8 96 **UNIV OF ARIZONA** **1607**
COMPARISON OF STRUCTURE AND SEGREGATION IN ALLOYS
06/07/1996 - 05/30/2003 FY02: $0 Total: $843,943
Prin. Invest.: D R POIRIER
Tech. Officer: MSFC/M HUBBARD
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 160 **UNIV OF ARIZONA** **1608**
REMOTE SENSING INVESTIGATION OF THE ANCIENT MAYA LANDSCAPE
12/08/1998 - 12/07/2001 FY02: $0 Total: $234,787
Prin. Invest.: T P CULBERT
Tech. Officer: MSFC/T SEVER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 1 52176 **UNIV OF ARIZONA** **1609**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
08/25/1997 - 07/31/2001 FY02: $0 Total: $88,000
Prin. Invest.: J A REAGAN, M A RUBIE
Tech. Officer: LARC/C A HOSTETLER, LARC/D M WINKER
CASE Category: 49 – ENGINEERING, OTHER

NGT 1 52206 **UNIV OF ARIZONA** **1610**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
09/14/1998 - 02/28/2002 FY02: $0 Total: $75,167
Prin. Invest.: H F FASEL, H F FASEL
Tech. Officer: LARC/B A SINGER, LARC/B A SINGER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 2 52268 **UNIV OF ARIZONA** **1611**
ISRU TECHNOLOGIES FOR HUMAN MARS EXPLORATION
08/10/2000 - 07/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: K R SRIDHAR
Tech. Officer: ARC/J E FINN, ARC/M H KLISS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 111 **UNIV OF ARIZONA** **1612**
MINIATURE DOPPLER AEROSOL BACKSCATTER LIDAR FOR DETECTION OF ATMOSPHERIC WINDS/STUDENT: JEREMY DOB
07/07/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J A REAGAN
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 13 – PHYSICS

NGT 5 114 **UNIV OF ARIZONA** **1613**
CATASTROPHIC FLOODING ON ICELAND AND MARS (STUDENT : DEVON BURR)
05/31/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: A S MCEWEN
Tech. Officer: GSFC/M S BURRELL
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 5 30140 **UNIV OF ARIZONA** **1614**
ECOSYSTEM DEGRADATION AND HOUSEHOLD VULNERABILITY IN THE SEMI ARID REGION OF CHILE
08/27/1998 - 12/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: C HUTCHINSON
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30148 **UNIV OF ARIZONA** **1615**
SYNTHETIC LAHAR HAZARD MODELING USING ORBITAL DEM DATA/NASA EARTH SCI. SYSTEM_PROGRAM/STUDENT: KLI
08/28/1998 - 03/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: C E GLASS
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30386 **UNIV OF ARIZONA** **1616**
SEASONAL ACCUMULATION & NITROGEN DEPOSITION MAPPIN G ON THE GREENLAND ICESHEET/JOHNNY BURKHART
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: R C BALES
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40082 UNIV OF ARIZONA 1617
ARIZONA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $649,132
Prin. Invest.: M J DRAKE
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50190 UNIV OF ARIZONA 1618
THEORETICAL & OBSERVATIONAL STUDY OF ORIGIN & EVOLUTION OF PLANETS & PLANETARY SYSTEMS
06/05/1998 - 08/14/2001 FY02: $0 Total: $22,000
Prin. Invest.: R H BROWN
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 11 – ASTRONOMY

NGT 5 50243 UNIV OF ARIZONA 1619
PHYSICAL STUDIES OF NEA & TNO OBJECTS USING SPECTR OPHOTOMETRY STUDENT: RONALD FEVIG
06/02/1999 - 06/30/2003 FY02: $0 Total: $66,000
Prin. Invest.: U FINK
Tech. Officer: GSFC/K HOLLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50246 UNIV OF ARIZONA 1620
DEVELOPMENT OF LASER MICROMACHINED COMPONENTS FOR SUBMILLIMETER HETERODYNE RECEIVERS_(STUDENT CHRIS
06/02/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: C WALKER
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50282 UNIV OF ARIZONA 1621
SUBMILLIMETER LABORATORY AND OBSERVATIONAL STUDIES OF MOLECULAR ION CHEMISTRY IN PHOTON-DOMINATE
06/20/2000 - 07/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: L ZIURYS
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50283 UNIV OF ARIZONA 1622
THE EVOLUTION OF GALAXIES IN 0.54<Z<1.2 CLUSTERS
06/22/2000 - 07/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: D MCCARTHY
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50289 UNIV OF ARIZONA 1623
THE COLLISIONAL EVOLUTION OF THE ASTEROID BELT: RECONCILING CONTRADICTORY EVIDENCE-STUDENT DOBRIE
06/26/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: R GREENBERG
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50300 UNIV OF ARIZONA 1624
NEUTRINO PROCESSES & R-PROCESS NUCLEOSYNTHESIS IN PROTONEUTRON STAR WINDS/ STUDENT: TODD THOMPSON
06/28/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: A BURROWS
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50303 UNIV OF ARIZONA 1625
THE EFFECTS OF MICROGRAVITY ON THE DEVELOPMENT OF THE IMMUNE SYSTEM/STUDENT: CHRIS C. WOODS
07/06/2000 - 06/30/2003 FY02: $0 Total: $41,748
Prin. Invest.: D DELUCA
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50394 UNIV OF ARIZONA 1626
A UNIQUE DIRECT-DETECTION SURVEY FOR MASSIVE EXTRA -SOLAR PLANETS/STUDENT: MELANIE FREED
05/31/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: L CLOSE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50400 UNIV OF ARIZONA 1627
THE EVOLUTION OF DEBRIS DISKS AND STELLA ANGULAR MOMENTUM IN PRE-MAIN SEQUENCE SOLAR SYSTEMS
06/12/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: M MEYER
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50419 UNIV OF ARIZONA 1628
INDEX INOMOGENEITY EFFECTS ON IMAGING SYSTEMS STUDENT: BRIAN STAMPER
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J BURGE
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

ARKANSAS

NAG 3 2798 ARKANSAS TECH UNIV 1629
DEVELOPMENT OF A GENERIC CREEP-FATIGUE PREDICTION MODEL
08/06/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: T GOSWAMI
Tech. Officer: GRC/G R HALFORD
CASE Category: 49 – ENGINEERING, OTHER

NAG13 99016 HENDRIX COLL 1630
DETECTION OF SMALL MOLECULES IN HYBRID ROCKET MOTOR COMBUSTION BY N EAR IR ABSORPTION
05/24/1999 - 04/30/2002 FY02: $0 Total: $20,000
Prin. Invest.: M W TEAGUE
Tech. Officer: SSC/B ST. CYR
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1061 UNIV OF ARKANSAS - LITTLE ROCK 1631
EFFECTS OF RESISTANCE TRAINING
12/17/1998 - 07/31/2001 FY02: $0 Total: $532,137
Prin. Invest.: P A TESCH
Tech. Officer: JSC/C SAWIN
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG10 277 UNIV OF ARKANSAS - LITTLE ROCK 1632
SYNTHESIS AND CHARACTERIZATION OF CROSS-LINKABLE W ATERBORNE CONDUCTING POLYMERS FOR CORROSION PROT
02/07/2000 - 01/18/2002 FY02: $0 Total: $115,000
Prin. Invest.: T VISWANATHAN
Tech. Officer: KSC/C J BRYAN
CASE Category: 19 – PHYSICALSCIENCE, OTHER

NCC 5 260 UNIV OF ARKANSAS - LITTLE ROCK 1633
ARKANSAS EPSCOR PROGRAM - THE ARKANSAS PLAN FOR EN HANCEMENT OF AERO- SPACE RESEARCH AND ECONOMIC
01/07/1998 - 07/31/2002 FY02: $0 Total: $1,800,000
Prin. Invest.: M HUDSON
Tech. Officer: HQ/D DETROYE
CASE Category: 11 – ASTRONOMY

NCC 5 404 UNIV OF ARKANSAS - LITTLE ROCK 1634
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/14/1999 - 02/28/2002 FY02: $0 Total: $450,000
Prin. Invest.: K HUDSON
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 597 UNIV OF ARKANSAS - LITTLE ROCK 1635
ARKANSAS NASA EPSCOR PROGRAM
09/28/2001 - 08/14/2004 FY02: $0 Total: $125,000
Prin. Invest.: K HUDSON
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40119 UNIV OF ARKANSAS - LITTLE ROCK 1636
ARKANSAS SPACE GRANT COLL & FELLOWSHIP PROGRAM
03/14/2001 - 02/28/2005 FY02: $0 Total: $256,250
Prin. Invest.: M HUDSON
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT13 52718 UNIV OF ARKANSAS - LITTLE ROCK 1637
DESIGN OF HIGH TEMPERATURE PROBE FOR MASS SPECTROSCOPY OF HYBRID ROCKET PLUME
07/13/1998 - 07/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: C MEADORS
Tech. Officer: SSC/A JOYCE
CASE Category: 41 – AERONAUTICAL ENGNR

NGT13 52757 UNIV OF ARKANSAS - LITTLE ROCK 1638
GRADUATE RESEARCH STUDY - SIGNAL CORRELATION IN A HYBRID ROCKET MOTOR
06/25/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: K HUDSON
Tech. Officer: SSC/R TRAVIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 02021 U OF ARKANSAS MAIN CAMP-FAYETTEVILLE 1639
MODELING BREAST CANCER TUMORS IN FREQUENCY DOMAIN USING THE STEEPEST DESCENT MULTIPOLE METHOD(SDFMM)
12/19/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: M EL-SHENAWEE
Tech. Officer: LARC/J W JOHNSON
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 9496 U OF ARKANSAS MAIN CAMP-FAYETTEVILLE 1640
THERMOLUMININESCENCE STUDIES OF METEORITES
04/21/2000 - 09/30/2001 FY02: $0 Total: $43,000
Prin. Invest.: P BENOIT
Tech. Officer: GSFC/J BOYCE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10736 U OF ARKANSAS MAIN CAMP-FAYETTEVILLE 1641
THERMOLUMINESCENCE STUDIES OF METEORITES
04/18/2001 - 04/30/2002 FY02: $0 Total: $20,000
Prin. Invest.: P BENOIT
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NCC 2 5360 U OF ARKANSAS MAIN CAMP-FAYETTEVILLE 1642
GROWTH OF METHANOGENS ON CARVON MONOXIDE
12/10/1999 - 11/30/2003 FY02: $0 Total: $15,000
Prin. Invest.: T KRAL
Tech. Officer: ARC/M J LEON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 2 52243 U OF ARKANSAS MAIN CAMP-FAYETTEVILLE 1643
METHANOGENIC METABOLISM: IMPLICATIONS FOR MARS & EARLY EARTH
07/28/1998 - 11/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: T A KRAL
Tech. Officer: ARC/C P MCKAY
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NGT13 52753 U OF ARKANSAS MAIN CAMP-FAYETTEVILLE 1644
REMOTE SENSING TO DETECT MOISTURE AND SDS STRESS I N SOYBEAN
06/20/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: S BAJAWA
Tech. Officer: SSC/R P TRAVIS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

CALIFORNIA

NAG 5 12576 AMERICAN RIVER COLL 1645
PATHWAYS CENTER FOR STUDENT SUCCESS
09/20/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: S GRIFFITH
Tech. Officer: GSFC/D HALE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 1975 CALIFORNIA INST OF TECHNOLOGY 1646
GLOBAL FAILURE MODES IN HIGH TEMPERATURE COMPOSITE STRUCTURES
11/25/1997 - 05/14/2001 FY02: $0 Total: $190,188
Prin. Invest.: W G KNAUSS
Tech. Officer: GSFC/J H STARNES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2151 CALIFORNIA INST OF TECHNOLOGY 1647
CHEMISTRY AND TRANSPORT IN A MULTI-DIMENSIONAL MODEL
02/23/1999 - 12/31/2001 FY02: $0 Total: $354,542
Prin. Invest.: Y L YUNG
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01038 CALIFORNIA INST OF TECHNOLOGY 1648
ULTRADENSE SILICON CMOS-BASED MERGED MULTISPECTRAL IMAGER/NONVOLATILE MEMORY DEVICE BASED ON INJECTN
08/24/2001 - 05/30/2004 FY02: $0 Total: $228,800
Prin. Invest.: H A ATWATER
Tech. Officer: LARC/C D ARMSTRONG
CASE Category: 13 – PHYSICS

NAG 1 02029 CALIFORNIA INST OF TECHNOLOGY 1649
GLOBAL FAILURE MODES IN COMPOSITE STRUCURES FOR HIGH ALTITUDES
01/07/2002 - 09/25/2002 FY02: $0 Total: $0
Prin. Invest.: W G KNAUS
Tech. Officer: LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02081 CALIFORNIA INST OF TECHNOLOGY 1650
CHEMISTRY AND TRANSPORT IN A MULTI-DIMENSIONAL MODEL
04/10/2002 - 04/09/2003 FY02: $0 Total: $0
Prin. Invest.: Y L YUNG
Tech. Officer: LARC/G L MADDREA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1346 CALIFORNIA INST OF TECHNOLOGY 1651
EVOLUTION OF NEURAL CREST & PLACODES
07/21/1999 - 07/14/2003 FY02: $0 Total: $380,459
Prin. Invest.: M BRONNER-FRASER
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1368 CALIFORNIA INST OF TECHNOLOGY 1652
TRANSCRIPTIONAL REGULATION & EVOLUTION OF BILATERI AN BODY PLANS
08/05/1999 - 01/31/2003 FY02: $0 Total: $554,324
Prin. Invest.: E M DAVIDSON
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1370 CALIFORNIA INST OF TECHNOLOGY 1653
TRANSCRIPTION FACTOR EVOLUTION & LYMPHOCYTE ORIGIN S
08/05/1999 - 09/30/2002 FY02: $0 Total: $385,362
Prin. Invest.: E V ROTHENBERG
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1541 CALIFORNIA INST OF TECHNOLOGY 1654
DISCOVERY AND DEFINITION OF THE MICROGRAVITY TRANS CRIPTOME WITH APPLICATION TOMUSCLE ATROPHY AND R
03/14/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: E H DAVIDSON
Tech. Officer: ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1573 CALIFORNIA INST OF TECHNOLOGY 1655
ROBUSTNESS OF NETWORKED AGENTS
07/24/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: J C DOYLE
Tech. Officer: ARC/K TURNER, ARC/D WOLPERT
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2166 CALIFORNIA INST OF TECHNOLOGY 1656
INERTIAL EFFECTS IN SUSPENSION DYNAMICS
05/08/1998 - 02/10/2002 FY02: $0 Total: $370,000
Prin. Invest.: J F BRADY
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2358 CALIFORNIA INST OF TECHNOLOGY 1657
GRANULAR MATERIAL FLOWS WITH INTERSTITIAL FLUID EF FECTS
03/12/2000 - 11/30/2003 FY02: $0 Total: $126,185
Prin. Invest.: M L HUNT
Tech. Officer: GRC/J H AGUI
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2686 CALIFORNIA INST OF TECHNOLOGY 1658
IN-SITU INVESTIGATION OF ADVANCED STRUCTURAL COATI NG AND COMPOSITES
01/10/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: U USTUNDAG
Tech. Officer: GRC/S C FARMER
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2737 CALIFORNIA INST OF TECHNOLOGY 1659
INERTIAL EFFECTS IN SUSPENSION DYNAMICS. INERTIAL EFFECTS IN SUSPENSION DYNAMNICS.
03/14/2002 - 10/30/2005 FY02: $0 Total: $0
Prin. Invest.: J F BRADY
Tech. Officer: GRC/N R HALL
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3911 CALIFORNIA INST OF TECHNOLOGY 1660
MOLECULAR BEAM STUDIES OF STRATOSPHERIC PHOTOCHEMI
02/26/1997 - 09/30/2002 FY02: $0 Total: $262,937
Prin. Invest.: D OKUMURA
Tech. Officer: GSFC/P J DECOLA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4093 CALIFORNIA INST OF TECHNOLOGY 1661
RESEARCH IN GRAVITATION ASTROPHYSICS
03/10/1997 - 12/31/2001 FY02: $0 Total: $183,500
Prin. Invest.: P LINDBLOM
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 4191 CALIFORNIA INST OF TECHNOLOGY 1662
DYNAMICS OF PLANETARY ATMOSPHERES
06/27/1997 - 11/30/2001 FY02: $0 Total: $376,230
Prin. Invest.: D P INGERSOLL
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4319 CALIFORNIA INST OF TECHNOLOGY 1663
EXPERIMENTAL AND ANALYTICAL STUDIES OF SOLAR SYSTE
04/04/1997 - 07/31/2002 FY02: $0 Total: $594,000
Prin. Invest.: D S BURNETT
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 4437 CALIFORNIA INST OF TECHNOLOGY 1664
PARTICIPATION OF D.O. MUHLEMAN AS A CO-INVESTIGATO OBSERVER LASER ALTIMETER (MOLA) TEAM
04/28/1997 - 12/31/2002 FY02: $0 Total: $360,394
Prin. Invest.: D O MUHLEMAN
Tech. Officer: GSFC/D E SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 5052 CALIFORNIA INST OF TECHNOLOGY 1665
GLOBAL MAPPING OF THE INTERSTELLAR MEDIUM IN THE FAR-ULTRAVIOLET
01/24/1996 - 06/30/2001 FY02: $0 Total: $1,281,913
Prin. Invest.: C MARTIN
Tech. Officer: GSFC/R H PLESS
CASE Category: 11 – ASTRONOMY

NAG 5 5166 CALIFORNIA INST OF TECHNOLOGY 1666
INTEGRATED-CIRCUIT READOUT FOR THE ACCESS SILICON ARRAY
03/26/1998 - 06/30/2001 FY02: $0 Total: $112,710
Prin. Invest.: R A MEWALDT
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5203 CALIFORNIA INST OF TECHNOLOGY 1667
ULTRA HEAVY AND HEAVY COSMIC-RAY MEASUREMENTS ON ACCESS
08/29/1998 - 02/28/2002 FY02: $0 Total: $119,067
Prin. Invest.: R A MEWALDT
Tech. Officer: GSFC/B A MERRITT
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 5216 CALIFORNIA INST OF TECHNOLOGY 1668
A PROPOSAL FOR CONVERSION OF THE TRANS-IRON GALACTIC ELEMENT RECORDER (TIGER) PI STONE
12/01/1998 - 11/30/2001 FY02: $0 Total: $76,156
Prin. Invest.: E C STONE
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5227 CALIFORNIA INST OF TECHNOLOGY 1669
FIRST INCREMENTAL FUNDING FOR NAG5-5227 PI DR. EDWARD C. STONE
03/29/1999 - 05/31/2002 FY02: $0 Total: $480,200
Prin. Invest.: E C STONE
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5228 CALIFORNIA INST OF TECHNOLOGY 1670
FIRST YEAR FUNDING FOR NAG5-5228 PI DR. EDWARD C STONE
03/29/1999 - 05/31/2002 FY02: $0 Total: $215,632
Prin. Invest.: E C STONE
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5286 CALIFORNIA INST OF TECHNOLOGY 1671
HIGH SPECTRAL & SPATIAL RESOLUTION GE DETECTOR & READOUT TECHNOLOGIES FOR NUCLEAR SPECTROSCOPIC IMG
05/31/2000 - 05/17/2003 FY02: $0 Total: $44,000
Prin. Invest.: S BOGGS
Tech. Officer: GSFC/B A MERRITT
CASE Category: 11 – ASTRONOMY

NAG 5 5289 CALIFORNIA INST OF TECHNOLOGY 1672
HIGH ENERGY FOCUSING TELESCOPE HIGH ENERGY FOCUSING TELE-SCOPE
06/02/2000 - 05/25/2003 FY02: $0 Total: $1,405,000
Prin. Invest.: F HARRISON
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5303 CALIFORNIA INST OF TECHNOLOGY 1673
GLOBAL MAPPING OF THE COSMIC UV BACKGROUND GLOBAL MAPPING OF THE COSMIC UV BACKGROUND
09/29/2000 - 09/27/2002 FY02: $0 Total: $301,440
Prin. Invest.: C MARTIN
Tech. Officer: WFF/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5322 CALIFORNIA INST OF TECHNOLOGY 1674
THE PRESIDENTIAL EARLY CAREER AWARD (PECA)
03/21/2001 - 10/31/2006 FY02: $0 Total: $100,000
Prin. Invest.: F HARRISON
Tech. Officer: WFF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5338 CALIFORNIA INST OF TECHNOLOGY 1675
DETERMINATION OF THE CONFIDENCE LIMIT ON HHT RESULTS
07/09/2001 - 09/30/2002 FY02: $0 Total: $30,992
Prin. Invest.: T WU
Tech. Officer: WFF/S LONG
CASE Category: 33 – OCEANOGRAPHY

NAG 5 5346 CALIFORNIA INST OF TECHNOLOGY 1676
BASIC RESEARCH ON THE COMPOSITION OF HEAVY COSMIC RAYS - THE TRANS-IRON GALACTIC ELEMENT RECORDER EX
01/16/2002 - 01/07/2005 FY02: $0 Total: $0
Prin. Invest.: E STONE
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 6263 CALIFORNIA INST OF TECHNOLOGY 1677
PHOTOCHEMICAL STUDIES OF CHEMISTRY IN OUTER SOLAR
08/21/1997 - 12/31/2002 FY02: $0 Total: $401,012
Prin. Invest.: D L YUNG
Tech. Officer: GSFC/J HILLMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6402 CALIFORNIA INST OF TECHNOLOGY 1678
5HE ORIGIN AND EVOLUTION OF NEUTRON STARS_(LTSA)
10/15/1997 - 10/31/2003 FY02: $0 Total: $418,000
Prin. Invest.: S KULKARNI
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6816 CALIFORNIA INST OF TECHNOLOGY 1679
SUBMILLIMETER WAVELENGTH SPECTROSCOPY AND IMAGING OF THE PLANETS
01/07/1998 - 12/31/2001 FY02: $0 Total: $137,405
Prin. Invest.: E SERABYN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 6912 CALIFORNIA INST OF TECHNOLOGY 1680
MO&DA OF THE ADVANCED COMPOSITION EXPLORER MISSION
01/30/1998 - 01/31/2003 FY02: $0 Total: $13,828,115
Prin. Invest.: E STONE
Tech. Officer: GSFC/B WORRALL
CASE Category: 11 – ASTRONOMY

NAG 5 6981 CALIFORNIA INST OF TECHNOLOGY 1681
BROWN DWARFS: DETECTION AND DETAILED STUDIES
02/06/1998 - 08/14/2001 FY02: $0 Total: $181,000
Prin. Invest.: S KULKARNI
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7007 CALIFORNIA INST OF TECHNOLOGY 1682
BLACK HOLE ASTROPHYSICS_- ATP
02/11/1998 - 08/31/2001 FY02: $0 Total: $257,591
Prin. Invest.: R BLANDFORD
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7034 CALIFORNIA INST OF TECHNOLOGY 1683
ORIGIN AND EVOLUTION OF THE SPINS AND FIELDS OF WH ITE DWARFS, NEUTRON STARS AND BLACK HOLES - ATP
02/18/1998 - 08/14/2001 FY02: $0 Total: $243,017
Prin. Invest.: E PHINNEY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7081 CALIFORNIA INST OF TECHNOLOGY 1684
ADVANCED SPACE PARTICLE ANALYSIS SYSTEM
03/10/1998 - 09/30/2002 FY02: $0 Total: $376,096
Prin. Invest.: J BEAUCHAMP
Tech. Officer: GSFC/B CAMPBELL
CASE Category: 11 – ASTRONOMY

NAG 5 7230 CALIFORNIA INST OF TECHNOLOGY 1685
STUDY OF TROPOSPHERIC OZONE AND UV REFLECTIVITY US ING TOMS DATA
04/16/1998 - 05/31/2002 FY02: $0 Total: $222,474
Prin. Invest.: Y L YUNG
Tech. Officer: GSFC/E HILSENRATH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7680 CALIFORNIA INST OF TECHNOLOGY 1686
VARIABILITY OF CLOUDS OVER A SOLAR CYCLE YEAR 1 OF A 3 YEAR GRANT
09/17/1998 - 12/31/2001 FY02: $0 Total: $242,005
Prin. Invest.: Y L YUNG
Tech. Officer: GSFC/M CHOU
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8217 CALIFORNIA INST OF TECHNOLOGY 1687
STAR FORMATION IN GIANT MOLECULAR CLOUDS_ LTSA98
02/08/1999 - 02/14/2004 FY02: $0 Total: $206,841
Prin. Invest.: J M CARPENTER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8251 CALIFORNIA INST OF TECHNOLOGY 1688
GEOCHEMICAL AND ISOTOPIC INVESTIGATIONS OF LUNAR & PLANETARY MATERIALS
02/10/1999 - 02/14/2003 FY02: $0 Total: $1,030,000
Prin. Invest.: D A PAPANASTASSIOU
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8318 CALIFORNIA INST OF TECHNOLOGY 1689
MILLISECOND PULSARS AND PLANETARY SYSTEMS
03/30/1999 - 09/30/2001 FY02: $0 Total: $145,000
Prin. Invest.: S R KULKARNI
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8535 CALIFORNIA INST OF TECHNOLOGY 1690
HIGH RESOLUTION, HIGH ENERGY FOCUSING OPTICS FOR THE NEXT GENERATION GAMMA RAY EXPLORER.
07/08/1999 - 07/14/2002 FY02: $0 Total: $541,664
Prin. Invest.: F A HARRISON
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 13 – PHYSICS

NAG 5 8576 CALIFORNIA INST OF TECHNOLOGY 1691
NEW GRANT: YEAR 1 OF 2 FOR ″A BEOWULF SYSTEM SOFTWARE INITIATIVE″
05/27/1999 - 05/31/2001 FY02: $0 Total: $149,988
Prin. Invest.: T STERLING
Tech. Officer: GSFC/J FISCHER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 8743 CALIFORNIA INST OF TECHNOLOGY 1692
VERY HIGH SPECTRAL & SPATIAL RESOLUTION GE DETEC TORS & READOUT ELECTRONICS FORHARD X-RAY ASTRONOM
08/20/1999 - 08/31/2002 FY02: $0 Total: $221,519
Prin. Invest.: S BOGGS
Tech. Officer: GSFC/F A HERRERO
CASE Category: 11 – ASTRONOMY

NAG 5 8822 CALIFORNIA INST OF TECHNOLOGY 1693
SPECTROSCOPIC STUDIES OF PRE-BIOTIC CARBON CHEMIST RY
09/08/1999 - 02/28/2002 FY02: $0 Total: $106,520
Prin. Invest.: G BLAKE
Tech. Officer: GSFC/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 8922 CALIFORNIA INST OF TECHNOLOGY 1694
PARTICIPATION OF THE NITRIC ACID CIMS INSTRUMENT I N THE SAGE III OZONE LOSS &VALIDATION EXPERIMEN
01/06/2000 - 12/31/2002 FY02: $0 Total: $408,557
Prin. Invest.: P WENNBERG
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9307 CALIFORNIA INST OF TECHNOLOGY 1695
CLOSEOUT OF ″LABORATORY STUDIES OF THE PHOTOCHEMIS TRY OF PEROXYNITRIC ACID″ ASSET FORTH IN THE ATT
03/22/2000 - 03/31/2002 FY02: $0 Total: $123,169
Prin. Invest.: D O WENNBERG
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9344 CALIFORNIA INST OF TECHNOLOGY 1696
BALLOON-BORNE OBSERVATIONS OF THE POLARIZATION OF THE COSMIC MICROWAVE BACKGROUND
03/27/2000 - 03/31/2003 FY02: $0 Total: $310,150
Prin. Invest.: A LANGE
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 9434 CALIFORNIA INST OF TECHNOLOGY 1697
THE PHYSICAL & CHEMICAL STRUCTURE OF CIRCUMSTELLAR DISKS & ENVELOPES
04/24/2000 - 04/14/2001 FY02: $0 Total: $35,000
Prin. Invest.: G A BLAKE
Tech. Officer: GSFC/J BOYCE/SR
CASE Category: 11 – ASTRONOMY

NAG 5 9462 CALIFORNIA INST OF TECHNOLOGY 1698
USE OF SATELLITE FIRE PRODUCTS AND MODELS TO INVES TIGATE THE EFFECTS OF FIRE ON THE GLOBAL CARBON C
04/18/2000 - 04/30/2003 FY02: $0 Total: $283,253
Prin. Invest.: J RANDERSON
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9471 CALIFORNIA INST OF TECHNOLOGY 1699
ATMOSPHERIC TRACE GAS ABUNDANCES & STABLE ISOTYPE RATIOS VIA INFRARED LASER INDUCED FLUORESCENCE (IR
04/14/2000 - 04/30/2003 FY02: $0 Total: $323,343
Prin. Invest.: G BLAKE
Tech. Officer: GSFC/B BETTS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9482 CALIFORNIA INST OF TECHNOLOGY 1700
KNOWLEDGE DISCOVERY AND DATABASE TECHNOLOGIES FOR DIGITAL SKY SURVEYS AND VIRTUAL OBSERVATORIES
04/21/2000 - 04/30/2002 FY02: $0 Total: $100,000
Prin. Invest.: S DJORGOVSKI
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9487 CALIFORNIA INST OF TECHNOLOGY 1701
INTERANNUAL VARIABILITY OF SNOW AND ICE AND IMPACT ON THE CARBON CYCLE
04/25/2000 - 04/30/2003 FY02: $0 Total: $278,162
Prin. Invest.: Y L YUNG
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9493 CALIFORNIA INST OF TECHNOLOGY 1702
DEVELOPMENT OF SUBMILLIMETER SIS MIXERS AND BROAD BAND HEMT AMPLIFIERS
04/18/2000 - 04/30/2003 FY02: $0 Total: $288,000
Prin. Invest.: J ZMUIDZINAS
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9530 CALIFORNIA INST OF TECHNOLOGY 1703
MILLIMETER-WAVE INTERFEROMETRY OF PROTO-PLANETARY DISKS
04/27/2000 - 04/30/2003 FY02: $0 Total: $170,000
Prin. Invest.: S SARGENT
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9601 CALIFORNIA INST OF TECHNOLOGY 1704
MARTIAN ATMOSPHERIC CIRCULATION AND CLIMATE
05/17/2000 - 04/30/2003 FY02: $0 Total: $135,300
Prin. Invest.: A P INGERSOL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9603 CALIFORNIA INST OF TECHNOLOGY 1705
VIRTUAL OBSERVATORIES OF THE FUTURE
05/19/2000 - 05/14/2002 FY02: $0 Total: $25,000
Prin. Invest.: S DJORGOVSKI
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9606 CALIFORNIA INST OF TECHNOLOGY 1706
IMPLICATIONS OF MARTIAN NORTH-SOUTH POLAR DIFFEREN CES
05/12/2000 - 05/14/2003 FY02: $0 Total: $100,700
Prin. Invest.: B C MURRAY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9687 CALIFORNIA INST OF TECHNOLOGY 1707
IN SITU CHEMICAL IMAGER
06/05/2000 - 05/31/2001 FY02: $0 Total: $94,150
Prin. Invest.: J L KIRSCHVINK
Tech. Officer: GSFC/B BETTS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9821 CALIFORNIA INST OF TECHNOLOGY 1708
COSMOLOGY & PARTICLE ASTROPHYSICS THEORY (ATP-98)
08/23/2000 - 04/30/2003 FY02: $0 Total: $190,107
Prin. Invest.: M P KAMIONKOWSKI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9919 CALIFORNIA INST OF TECHNOLOGY 1709
THE HOT PHASE OF THE VIOLENT ISM OF NEARBY DWARF IRREGULAR GALAXIES
09/05/2000 - 09/30/2003 FY02: $0 Total: $46,300
Prin. Invest.: F WALTER
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10047 CALIFORNIA INST OF TECHNOLOGY 1710
MEASURING THE MAGNETIC FIELD AND RELATIVISTIC PART ICLES IN RELIC RADIO GALAXIES
10/03/2000 - 09/30/2002 FY02: $0 Total: $27,000
Prin. Invest.: F A HARRISON
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10189 CALIFORNIA INST OF TECHNOLOGY 1711
PLANETARY ORIGIN, EVOLUTION AND STRUCTURE
01/03/2001 - 01/14/2004 FY02: $0 Total: $88,400
Prin. Invest.: D J STEVENSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10198 CALIFORNIA INST OF TECHNOLOGY 1712
IMPACT PROCESSES IN THE SOLAR SYSTEM
01/04/2001 - 12/31/2003 FY02: $0 Total: $218,600
Prin. Invest.: T AHRENS
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10208 CALIFORNIA INST OF TECHNOLOGY 1713
IMPACT CRATERING CALCULATIONS
01/02/2001 - 09/30/2001 FY02: $0 Total: $30,000
Prin. Invest.: T AHRENS
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 10293 CALIFORNIA INST OF TECHNOLOGY 1714
APPLICATION OF ISOTOPIC AND CHEMICAL ANALYSES TO UNDERSTANDING THE ORIGIN OF EXTRATERRESTRIAL
02/06/2001 - 02/14/2002 FY02: $0 Total: $100,000
Prin. Invest.: G J WASSERBURG
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10317 CALIFORNIA INST OF TECHNOLOGY 1715
LARGE-FORMAT, ANTENNA-COUPLED, MULTI-FREQUENCY, BOLOMETRIC (LAMB) FOCAL PLANE ARRAYS FOR MM & SUB
02/07/2001 - 01/31/2004 FY02: $0 Total: $169,894
Prin. Invest.: A E LANGE
Tech. Officer: GSFC/E J WOLLACK
CASE Category: 11 – ASTRONOMY

NAG 5 10358 CALIFORNIA INST OF TECHNOLOGY 1716
DEVELOPMENT OF SUPERCONDUCTING DETECTOR WITH MULTI PLEXED READOUTS-
02/01/2001 - 02/14/2004 FY02: $0 Total: $218,870
Prin. Invest.: J ZMUIZINAS
Tech. Officer: GSFC/C STAHLE
CASE Category: 13 – PHYSICS

NAG 5 10406 CALIFORNIA INST OF TECHNOLOGY 1717
A NEOTECTONIC MAP OF THE EARTH: A PILOT STUDY OF SRTM DATA
04/02/2001 - 03/31/2003 FY02: $0 Total: $75,000
Prin. Invest.: K E SIEH
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10410 CALIFORNIA INST OF TECHNOLOGY 1718
MINIATURE IRON BIOMINERAL DETECTOR FOR MARTIAN EXO BIOLOGY
04/10/2001 - 04/14/2004 FY02: $0 Total: $166,514
Prin. Invest.: J KIRSCHVINK
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 10423 CALIFORNIA INST OF TECHNOLOGY 1719
EXPERIMENTAL STUDIES OF PHASE EQUILIBRIA OF METEOR ITES AND PLANETARY BODIES
02/20/2001 - 02/28/2004 FY02: $0 Total: $150,000
Prin. Invest.: E STOLPER
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10467 CALIFORNIA INST OF TECHNOLOGY 1720
THE STRUCTURE OF YOUNG STELLAR SYSTEMS: ESTABLISHI NG INITIAL CONDITIONS FOR PLANET FORMATION
02/22/2001 - 02/28/2004 FY02: $0 Total: $45,000
Prin. Invest.: G BLAKE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10470 CALIFORNIA INST OF TECHNOLOGY 1721
TEMPORAL VARIABILITY IN THE ACCRETION RATE OF INTE RPLANETARY DUST USING 3HE ASA TRACER
02/27/2001 - 03/31/2004 FY02: $0 Total: $48,900
Prin. Invest.: K A FARLEY
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10558 CALIFORNIA INST OF TECHNOLOGY 1722
BROWN DWARFS: DISCOVERY AND DETAILED STUDIES
03/13/2001 - 03/14/2003 FY02: $0 Total: $30,000
Prin. Invest.: S KULKARNI
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10587 CALIFORNIA INST OF TECHNOLOGY 1723
MARS INTERNAL EVOLUTION CONSTRAINED BY MGS DATA
03/13/2001 - 03/14/2004 FY02: $0 Total: $60,000
Prin. Invest.: D STEVENSON
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10602 CALIFORNIA INST OF TECHNOLOGY 1724
SUPPORT FOR THE 2001 GORDON RESEARCH CONFERENCE ON THE ORIGINS OF SOLAR SYSTEMS
03/21/2001 - 02/28/2002 FY02: $0 Total: $15,000
Prin. Invest.: D STEVENSON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10618 CALIFORNIA INST OF TECHNOLOGY 1725
PALEOMAGNETIC CONSTRAINTS ON PANSPERMIA AND THE ALH84001 MAGNETOFOSSILS
03/19/2001 - 03/31/2004 FY02: $0 Total: $72,000
Prin. Invest.: J L KIRSCHVINK
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10707 CALIFORNIA INST OF TECHNOLOGY 1726
SOURCES OF LOW FREQUENCY GRAVITATIONAL WAVES (ATP 2000)
04/23/2001 - 04/30/2004 FY02: $0 Total: $128,000
Prin. Invest.: E PHINNEY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10724 CALIFORNIA INST OF TECHNOLOGY 1727
CIRRUS CLOUDS ON MARS: DATA ANALYSIS AND GCM MODEL ING
04/12/2001 - 04/14/2004 FY02: $0 Total: $60,000
Prin. Invest.: Y YUNG
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10761 CALIFORNIA INST OF TECHNOLOGY 1728
UNDERSTANDING GAMMA-RAY BURSTS (ATP 2000)
04/23/2001 - 04/30/2004 FY02: $0 Total: $28,373
Prin. Invest.: R SARI
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10804 CALIFORNIA INST OF TECHNOLOGY 1729
CONCEPT STUDY FOR THE "THE HEAVY NUCLEI EXPLORER" (HNX) MISSION AO-99-OSS-05
04/30/2001 - 09/30/2002 FY02: $0 Total: $47,600
Prin. Invest.: D A MEWALDT
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 10885 CALIFORNIA INST OF TECHNOLOGY 1730
THE MULTI-WAVELENGTH EXTRAGALACTIC SKY (ADP 2000)
05/03/2001 - 05/14/2002 FY02: $0 Total: $48,148
Prin. Invest.: R J BRUNNER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10901 CALIFORNIA INST OF TECHNOLOGY 1731
A MECHANISM FOR SOLAR FORDING OF CLIMATE: DID THE MAUNDER MINIMUM CAUSE THE LITTLE ICE AGE?
05/07/2001 - 05/14/2004 FY02: $0 Total: $166,768
Prin. Invest.: Y L YUNG
Tech. Officer: GSFC/J F SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10955 CALIFORNIA INST OF TECHNOLOGY 1732
A STUDY OF EXTREMELY RED GALAXIES
05/30/2001 - 05/31/2006 FY02: $0 Total: $64,879
Prin. Invest.: D THOMPSON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11157 CALIFORNIA INST OF TECHNOLOGY 1733
LABORATORY STUDIES OF THE PHOTOCHEMISTRY OF PEROXY NITRIC ACID
08/01/2001 - 07/31/2004 FY02: $0 Total: $17,000
Prin. Invest.: P O WENNBERG
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11214 CALIFORNIA INST OF TECHNOLOGY 1734
OBSERVATIONAL AND MODELING STUDIES OF THE SOUTH PO LAR RESIDUAL CAP
08/13/2001 - 08/14/2002 FY02: $0 Total: $40,000
Prin. Invest.: A P INGERSOLL
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11257 CALIFORNIA INST OF TECHNOLOGY 1735
AEOLIAN TRANSPORT PROCESSES ON MARS: SURFACE OBSE RVATIONS AND MESOSCALEMODELING
08/17/2001 - 08/31/2003 FY02: $0 Total: $70,000
Prin. Invest.: A ALBEE
Tech. Officer: HQ/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11273 CALIFORNIA INST OF TECHNOLOGY 1736
THE EXPLORATION OF THE OUTER SOLAR SYSTEM
08/22/2001 - 09/30/2004 FY02: $0 Total: $100,000
Prin. Invest.: M BROWN
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11288 CALIFORNIA INST OF TECHNOLOGY 1737
DAILY WEATHER MAPS FROM MARS ORBITER IMAGES
08/20/2001 - 08/31/2004 FY02: $0 Total: $71,900
Prin. Invest.: A INGERSOLL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11388 CALIFORNIA INST OF TECHNOLOGY 1738
WIRE OBSERVATIONS OF THE CIRCUMSTELLAR REGIONS OF EVOLVED MASSIVE STARS.
11/30/2001 - 02/14/2002 FY02: $0 Total: $0
Prin. Invest.: A MARSTON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11419 CALIFORNIA INST OF TECHNOLOGY 1739
QUIESCENT EMISSION FROM TRANSIENT TYPE I X-RAY BUR STERS
12/18/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: R E RUTLEDGE
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11423 CALIFORNIA INST OF TECHNOLOGY 1740
TERAHERTZ (THZ) LABORATORY SPECTROSCOPY IN SUPPORT OF THE SOFIA AND FIRST/HERSCHEL HETERODYNE RECEIV
12/03/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: G A BLAKE
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11488 CALIFORNIA INST OF TECHNOLOGY 1741
SPECTROSCOPIC STUDIES OF PRE-BIOTIC CARBON CHEMIST RY
12/31/2001 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: G A BLAKE
Tech. Officer: GSFC/M A MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 11549 CALIFORNIA INST OF TECHNOLOGY 1742
AEROSOL AND CCN CHARACTERIZATION IN CRYSTAL-FACE
01/14/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: R FLAGAN
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11640 CALIFORNIA INST OF TECHNOLOGY 1743
EXPERIMENTAL AND ANALYTICAL STUDIES OF SOLAR SYSTE M CHEMISTRY
01/22/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: D BURNETT
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11645 CALIFORNIA INST OF TECHNOLOGY 1744
OPTICALLY THIN CIRCUMSTELLAR DUST AND GAS DISKS (L TSA 2001)
01/29/2002 - 01/31/2007 FY02: $0 Total: $0
Prin. Invest.: L HILLENBRAND
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11657 CALIFORNIA INST OF TECHNOLOGY 1745
IR CAVITY RINGDOWN STUDIES OF ATMOSPHERIC FREE RAD ICAL CHEMISTRY
01/25/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: M OKAMURA
Tech. Officer: GSFC/M KURYLO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11725 CALIFORNIA INST OF TECHNOLOGY 1746
APPLICATION OF ISOTOPIC AND CHEMICAL ANALYSES TO UNDERSTANDING THE ORIGIN OF EXTRATERRESTRIAL
02/11/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: G WASSERBURG
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11739 CALIFORNIA INST OF TECHNOLOGY 1747
RETRIEVAL OF ATMOSPHERIC CO2 COLUMN FROM GROUND BA SED NEAR IR SPECTRA OFTHE SUN
02/12/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: P WENNBEG
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11851 CALIFORNIA INST OF TECHNOLOGY 1748
A COMPREHENSIVE TECHNOLOGY DEVELOPMENT PROGRAM FOR THE CONSTELLATION MISSION HARD X-RAY TELESCOP
03/15/2002 - 03/14/2006 FY02: $0 Total: $0
Prin. Invest.: F A HARRISON
Tech. Officer: GSFC/D NGUYEN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11932 CALIFORNIA INST OF TECHNOLOGY 1749
A SUMMER RESEARCH PROGRAM ON SUMMER FACULTY FELLOW SHIPS AT THE JET PROPULSION LABORATORY.
05/23/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: A ALBEE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11985 CALIFORNIA INST OF TECHNOLOGY 1750
COSMOLOGY AND FUNDAMENTAL PHYSICS FROM SPACE: THEORECTICAL INVESTIGATIONS OF INFLATION,
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: M P KAMIONKOWSKI
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12000 CALIFORNIA INST OF TECHNOLOGY 1751
DEVELOPMENT OF A DATA FEDERATION FACILITY FOR THE NVO.
04/17/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: R BRUNNER
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12032 CALIFORNIA INST OF TECHNOLOGY 1752
BLACK HOLE ASTROPHYSICS OF AGN, X-RAY BINARIES AND GAMMA RAY BURSTS
04/12/2002 - 04/15/2005 FY02: $0 Total: $0
Prin. Invest.: R D BLANDFORD
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12037 CALIFORNIA INST OF TECHNOLOGY 1753
PROCESSES IN THE FORMATION AND EVOLUTION OF EXTRA SOLAR PLANETS
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: P M GOLDREICH
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12118 CALIFORNIA INST OF TECHNOLOGY 1754
SUPPORT FOR THE ACTIVITIES RELATED TO THE NATIONAL VIRTUAL OBSERVATORY SCIENCE DEFINITION TEAM
04/29/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: S G DJORGOVSKI
Tech. Officer: GSFC/P E HUNTER
CASE Category: 11 – ASTRONOMY

NAG 5 12156 CALIFORNIA INST OF TECHNOLOGY 1755
WATER AND THE MARTIAN POLAR ATMOSPHERE
05/13/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: M RICHARDSON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12247 CALIFORNIA INST OF TECHNOLOGY 1756
MEASUREMENT OF COLUMN-AVERAGED CO2
06/26/2002 - 06/14/2005 FY02: $0 Total: $0
Prin. Invest.: P WENNBERG
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12384 CALIFORNIA INST OF TECHNOLOGY 1757
PARTICIPATION OF D.O. MUHLEMAN AS A CO-INVESTIGATO R ON THE MARS OBSERVER LASER ALTIMETER (M
07/17/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: D O MUHLEMAN
Tech. Officer: GSFC/D E SMITH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12492 CALIFORNIA INST OF TECHNOLOGY 1758
FORECASTING SHOCKS AND ENERGIC PARTICLE HAZARDS
08/27/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C S COHEN
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12564 CALIFORNIA INST OF TECHNOLOGY 1759
CONSTRAINING MODES OF CRUSTAL DEFORMATION USING IN TERFERO-METRIC SYNTHE- TIC APERTURE RADAR
09/12/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: M SIMONS
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1661 CALIFORNIA INST OF TECHNOLOGY 1760
DISPERSION MICROSTRUCTURE AND PHEOLOGY IN CERAMICS PROCESS-ING
05/16/2000 - 11/30/2003 FY02: $0 Total: $120,994
Prin. Invest.: J BRADY
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1743 CALIFORNIA INST OF TECHNOLOGY 1761
MEASUREMENT OF THERMOPHYSICAL PROPERTIES OF MOLTEN SILICON AND GERMANIUM
09/27/2000 - 09/30/2003 FY02: $0 Total: $197,500
Prin. Invest.: W K RHIM
Tech. Officer: MSFC/P DOTY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 8 1744 CALIFORNIA INST OF TECHNOLOGY 1762
MEASUREMENT OF THERMOPHYSICAL PROPERTIES OF MOLTEN SILLICON AND GERMANIUM
09/27/2000 - 09/30/2002 FY02: $0 Total: $596,500
Prin. Invest.: W L JOHNSON
Tech. Officer: MSFC/P DOTY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 8 1763 CALIFORNIA INST OF TECHNOLOGY 1763
THE CQ EXPERIMENT ENHANCED HEAT CAPACITY OF SUPERFLUID HELIUM IN A HEAT FLUX
05/01/2001 - 02/01/2006 FY02: $0 Total: $120,000
Prin. Invest.: D GOODSTEIN
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1785 CALIFORNIA INST OF TECHNOLOGY 1764
BIOMIMETIC SELF-ASSEMBLY OF MESOSTRUCTURES IN MIRO MICROGRAVITY: THE NATURE OF CAPILLARY BOND
04/30/2001 - 04/29/2005 FY02: $0 Total: $68,000
Prin. Invest.: A PONCE
Tech. Officer: MSFC/D S HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1013 CALIFORNIA INST OF TECHNOLOGY 1765
GENESIS DISCOVERY MISSION PHASE B
05/13/1998 - 05/31/2004 FY02: $0 Total: $514,510
Prin. Invest.: D S BURNETT
Tech. Officer: JSC/E K STANSBERY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 5 98034 CALIFORNIA INST OF TECHNOLOGY 1766
PHASE A STUDY FOR GALE X (GALAXY EVOLUTION EXPLORER) INVESTIGATION
12/05/1997 - 09/30/2004 FY02: $0 Total: $54,848,000
Prin. Invest.: C MARTIN
Tech. Officer: GSFC/F SNOW
CASE Category: 11 – ASTRONOMY

NCC 2 5431 CALIFORNIA INST OF TECHNOLOGY 1767
ADJOINT ERROR ANALYSIS: IMPROVING THE ACCURACY & RELIABILITY OF LIFT & DRAG ESTIMATES
03/28/2001 - 06/30/2003 FY02: $0 Total: $29,335
Prin. Invest.: N A PIERRE
Tech. Officer: ARC/J J RENTHER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 5 626 CALIFORNIA INST OF TECHNOLOGY 1768
HIGHPERFORMANCE CORNERSTONE TECHNOLOGIES FOR THE NATIONAL VIRTUAL OBSERVATORY.
02/26/2002 - 02/25/2008 FY02: $0 Total: $0
Prin. Invest.: T A PRINCE
Tech. Officer: GSFC/J FISCHER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NGT 5 30138 CALIFORNIA INST OF TECHNOLOGY 1769
CRUCIAL DESERTIFICATION PROCESSES FOR MONITORING ARID LANDS
08/27/1998 - 11/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: B C MURRAY, OKIN
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30393 CALIFORNIA INST OF TECHNOLOGY 1770
VOLCANIC HAZARDS ASSESSMENT USING REMOTE SENSING, BAJA, CALIFORNIA, MEXICO (STUDENT: JANE DMOCH
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: J STOCK
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30407 CALIFORNIA INST OF TECHNOLOGY 1771
THE SUBDUCTION ZONE EARTHQUAKE CYCLE AS CONSTRAINE D BY SPACE GEODESY ANDSEISMOLOGY/STUDENT: MATTHE
08/15/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: M SIMONS
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30452 CALIFORNIA INST OF TECHNOLOGY 1772
CO AND H20 ISOTOPE STUDIES USING CAVITY-ENHANCED, OPTICAL HETERODYNE SPECTROSCOPY. STUDENT: DAV
08/20/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: M OKUMURA
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50215 CALIFORNIA INST OF TECHNOLOGY 1773
FROM EARTH TO ORBIT: UTILIZING THE DIGITIZED PALOM AR SKY SURVEY IN NASA MISSIONS_ (STUDENT: ROY GAL
07/22/1998 - 07/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: S G DJORGOVSKI
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 11 – ASTRONOMY

NGT 5 50231 CALIFORNIA INST OF TECHNOLOGY 1774
CHEMICAL PROCESSES IN CIRCUMSTELLAR ACCRETION DISKS (STUDENT: JACQUELINE KESSLER
05/27/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: G BLAKE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50249 CALIFORNIA INST OF TECHNOLOGY 1775
OBSERVATIONS OF CMB ANISOTROPIES WITH THE ARCMINUT E COSMOLOGY BOLOMETRICARRAY RECEIVER (STUDENT: MA
06/04/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: A LANGE
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NGT 5 50278 CALIFORNIA INST OF TECHNOLOGY 1776
BOLOMETRIC POLARIMETRY FOR COSMOLOGY
06/20/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: A LANGE
Tech. Officer: GSFC/L K SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50280 CALIFORNIA INST OF TECHNOLOGY 1777
INVESTIGATION OF VACUUM ARC ION THRUSTER FOR SPACE PROPULSION APPLICATIONS--STUDENT: MICHA
06/20/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: F CULICK
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50308 CALIFORNIA INST OF TECHNOLOGY 1778
DEVELOPMENT OF SUPERCONDUCTING CAVITY STABILIZED OSCILLATORS (SCSO) FOR FREQUENCY STANDARDS & PREC
07/06/2000 - 09/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: N YEH
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50339 CALIFORNIA INST OF TECHNOLOGY 1779
GALAXY FORMATION AND EVOLUTION: MODELS FOR CURRENT AND FUTURE OBSERVATIONS (STUDENT: MICH
05/04/2001 - 08/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: M KAMIONKOWSKI
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 60003 CALIFORNIA INST OF TECHNOLOGY 1780
A SUMMER RESEARCH PROGRAM OF NASA SUMMER FACULTY F
09/23/1997 - 08/31/2002 FY02: $0 Total: $1,365,527
Prin. Invest.: A ALBEE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2327 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1781
SUBSONIC GLIDEBACK ROCKET DEMONSTRATOR FLIGHT TESTING
09/08/2000 - 08/31/2001 FY02: $1 Total: $24,001
Prin. Invest.: D DETURRIS
Tech. Officer: LARC/T A TALAY
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 1 01099 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1782
CONFIGURATION STUDIES OF PERSONAL AIR VECHICLE EXPLORATION
06/14/2001 - 01/13/2002 FY02: $0 Total: $49,996
Prin. Invest.: D HALL
Tech. Officer: LARC/M D MOORE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1386 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1783
POTENTIAL BENEFITS FROM TMA AND SMS INTEGRATION
11/01/1999 - 12/31/2002 FY02: $0 Total: $118,758
Prin. Invest.: S HOCKADAY
Tech. Officer: ARC/S ATKINS, ARC/L TOBIAS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 202 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1784
INTEGRATING NASA DRYDEN RESEARCH ENEDEAVORS INTO T HE TEACHING-LEARNING OFMATHEMATICS IN THE K-12 C
02/22/2000 - 01/03/2002 FY02: $0 Total: $28,909
Prin. Invest.: R A WARD
Tech. Officer: DFRC/S YEE
CASE Category: 21 – MATHEMATICS

NAG 4 228 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1785
INFLATABLE WING STRUCTURAL TEST, ANALYSIS, AND DES IGN
06/04/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: J D MELLO
Tech. Officer: DFRC/J MURRAY
CASE Category: 46 – MECHANICAL ENGR

NAG 5 8674 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1786
ADAPTIVE SAMPLING OF PHYTOPLANKTON RESPONSES TO EPISODIC PHYSICAL FORCING IN THE NEARSHORE COASTAL
07/08/1999 - 07/14/2002 FY02: $0 Total: $283,638
Prin. Invest.: M A MOLINE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NCC 1 02012 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1787
STARBOOSTER DEMONSTRATOR CLUSTER CONFIGURATION ANALYSIS/VERIFICATION PROGRAM
02/20/2002 - 02/19/2003 FY02: $0 Total: $0
Prin. Invest.: D J DETURRIS
Tech. Officer: LARC/J W PAULSON
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 2 1149 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1788
DEVELOPMENT OF MULTIDISCIPLINARY FLIGHT CONTROL DE SIGN PROCESSES USING CONDUIT
12/01/1999 - 12/31/2002 FY02: $0 Total: $242,343
Prin. Invest.: D J BIEZAD
Tech. Officer: ARC/M TISCHLER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5392 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1789
INNOVATIVE VERTICAL & SHORT TAKEOFF & LANDING CONC EPTS & SUPPORTING TECHNOLOGIES
08/16/2000 - 10/31/2002 FY02: $0 Total: $45,000
Prin. Invest.: D W HALL
Tech. Officer: ARC/J ZUK
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5464 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1790
MARS AIRPLANE MISSION AND TECHNOLOGY DEVELOPMENT
09/27/2001 - 12/31/2002 FY02: $0 Total: $71,980
Prin. Invest.: D W HALL, D J BIEZAD
Tech. Officer: ARC/L G LEMKE, ARC/A GONZALES
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 2 5508 CALIFORNIA POLYTECHNIC STATE U-SAN LUIS 1791
RUNWAY INDEPENDANT SHORT TAKEOFF AND LANDING (RI/S TOL) REGIONAL JET PROJECT
08/01/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: D W HALL
Tech. Officer: ARC/D A WARDWELL, ARC/C E HANGE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 171 CALIFORNIA ST. POLYTECHNIC U-POMONA 1792
ENHANCEMENT OF RESEARCH & DESIGN CAPABILITIES
09/30/1999 - 09/30/2002 FY02: $0 Total: $195,028
Prin. Invest.: W E MORTENSEN
Tech. Officer: DFRC/K GUPTA, DFRC/L VOEKLER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 7 10 CALIFORNIA ST. POLYTECHNIC U-POMONA 1793
ESTABLISHMENT OF A NEW BUSINESS INCUBATOR
08/06/1998 - 11/04/2001 FY02: $0 Total: $830,000
Prin. Invest.: V H GARNER, E L BARNES
Tech. Officer: NMO/T J LLOYD
CASE Category: 49 – ENGINEERING, OTHER

NCC 7 11 CALIFORNIA ST. POLYTECHNIC U-POMONA 1794
NEW BUSINESS INCUBATOR
01/11/2002 - 01/11/2004 FY02: $0 Total: $0
Prin. Invest.: V GARNER
Tech. Officer: NMO/M BATTAGLIA
CASE Category: 49 – ENGINEERING, OTHER

NAG 4 225 CALIFORNIA ST. UNIV.-SAN BERNADINO 1795
FINITE ELEMENT MODEL (FEM) STUDIES OF EXISTING HDA S AND THE DEVELOPMENT OF NEWHAD COMPOSITES
04/29/2002 - 03/21/2005 FY02: $0 Total: $0
Prin. Invest.: D USHER
Tech. Officer: DFRC/D GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 153 CALIFORNIA STATE UNIV - FRESNO 1796
THERMO-MECNANICAL CHARACTERISTICS OF COMPOSITE MATERIALS
03/26/1998 - 09/30/2001 FY02: $0 Total: $300,000
Prin. Invest.: S MAHANTY
Tech. Officer: DFRC/J BRADEN, DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 172 CALIFORNIA STATE UNIV - FRESNO 1797
PARTNERSHIP PROJECT EXPLORE
09/30/1999 - 10/31/2001 FY02: $0 Total: $184,914
Prin. Invest.: S MAHANTY, T MCCLANAHAN
Tech. Officer: DFRC/K GUPTA, DFRC/L VOEKLER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 207 CALIFORNIA STATE UNIV - FRESNO 1798
REMOTE ACCESS TO NASA DRYDEN'S FLIGHT LOADS LABORA TORY: A MIDDLE SCHOOL VIRTUAL LABORATORY
08/16/2002 - 10/30/2002 FY02: $0 Total: $0
Prin. Invest.: N BENGIAMIN
Tech. Officer: DFRC/L HUDSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9433 CALIFORNIA STATE UNIV - FULLERTON 1799
SOLAR NEBULA THERMAL AND PHYSICAL EVOLUTION AS CON STRAINED BY PLANETARY, METEORITIC AND ASTRONOMICA
04/21/2000 - 04/14/2002 FY02: $0 Total: $45,000
Prin. Invest.: D WOODLUM
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10312 CALIFORNIA STATE UNIV - FULLERTON 1800
BETA PIC-LIKE CIRCUMSTELLAR GAS DISK AROUND 2 AND -- FUSE-00
01/26/2001 - 01/31/2003 FY02: $0 Total: $20,000
Prin. Invest.: K CHEN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10695 CALIFORNIA STATE UNIV - FULLERTON 1801
SOLAR NEBULA THERMAL AND PHYSICAL EVOLUTION AS CON STRAINED BY PLANETARY,METEORITIC AND ASTRONOMICAL
04/16/2001 - 04/14/2004 FY02: $0 Total: $45,000
Prin. Invest.: D WOOLUM
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 9 1009 CALIFORNIA STATE UNIV - FULLERTON 1802
GENESIS: DETECTORS CHARACTERIZATION/SELECTION AND EDUCA-TIONAL OUTREACH
05/05/1998 - 07/01/2002 FY02: $0 Total: $157,244
Prin. Invest.: D S WOOLUM
Tech. Officer: JSC/E K STANSBERY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 1830 CALIFORNIA STATE UNIV - LONG BEACH 1803
MAGNETHEOLOGICAL FLUIDS: RHEOLOGY AND NONEQUILBRI UM PAT-TERN FORMATION
04/18/1996 - 05/16/2002 FY02: $0 Total: $844,550
Prin. Invest.: J LIU
Tech. Officer: GRC/K HSIEH
CASE Category: 13 – PHYSICS

NAG 5 9310 CALIFORNIA STATE UNIV - LONG BEACH 1804
INTERNATIONAL, STATE & LOCAL WORKFORCE DEVELOPMENT & CAPAC-ITY BUILDING INSUPPORT OF NASA ESE PROGRA
04/12/2000 - 04/14/2003 FY02: $0 Total: $249,986
Prin. Invest.: C T LEE
Tech. Officer: GSFC/A J TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12361 CALIFORNIA STATE UNIV - LONG BEACH 1805
CSU/NASA EDUCATION COLLABORATIVE
08/12/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: R WEST
Tech. Officer: GSFC/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 329 CALIFORNIA STATE UNIV - LONG BEACH 1806
AUGMENTED LEARNING ENVIRONMENT FOR RENEWABLE TEACH ING (ALERT)
05/07/1998 - 08/14/2002 FY02: $0 Total: $450,000
Prin. Invest.: E AMBOS
Tech. Officer: GSFC/B MEESON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 4 173 CALIFORNIA STATE UNIV - LOS ANGELES 1807
PATNERSHIP AN INQUIRY AERONAUTICAL SCIENCE DISTANC E LEARNING ED PROJECT
09/16/1999 - 09/17/2002 FY02: $0 Total: $199,998
Prin. Invest.: T ADENIKA-MORROW
Tech. Officer: DFRC/M MCCARTY, DFRC/J LARSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 4 174 CALIFORNIA STATE UNIV - LOS ANGELES 1808
PARTNERSHIP INTEGRATION OF CONFIGURATION
09/16/1999 - 12/31/2002 FY02: $0 Total: $200,000
Prin. Invest.: C WU
Tech. Officer: DFRC/K GUPTA, DFRC/L VOELKER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 175 CALIFORNIA STATE UNIV - LOS ANGELES 1809
PARTNERSHIP CONTROL HYPERSONIC VEHICLES
09/15/1999 - 09/13/2002 FY02: $0 Total: $199,980
Prin. Invest.: M MIRMIRANI
Tech. Officer: DFRC/K GUPTA, DFRC/L VOELKER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 224 CALIFORNIA STATE UNIV - LOS ANGELES 1810
CONTROL OF HIGH-PERFORMANCE FLIGHT VEHICLES: A MUL TIDISCI-PLINARY APPROACH
05/02/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M MIRMIRANI
Tech. Officer: DFRC/K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8889 CALIFORNIA STATE UNIV - LOS ANGELES 1811
USE OF DECENTRALIZED CONTROL IN DESIGN OF A SEGMEN TED SPACE
01/03/2000 - 12/31/2002 FY02: $0 Total: $1,000,000
Prin. Invest.: H R BOUSSALIS
Tech. Officer: GSFC/J MALONE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8945 CALIFORNIA STATE UNIV - LOS ANGELES 1812
ASYMMETRIES AND VARIATIONS IN JUPITER'S MAGNETO SPHERE
01/28/2000 - 01/14/2003 FY02: $0 Total: $128,600
Prin. Invest.: K KHURANA
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9160 CALIFORNIA STATE UNIV - LOS ANGELES 1813
UNIV PREPARATORY PROGRAM
03/06/2000 - 06/30/2003 FY02: $0 Total: $200,000
Prin. Invest.: M EPSTEIN
Tech. Officer: GSFC/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 439 CALIFORNIA STATE UNIV - LOS ANGELES 1814
EXCELLENCE IN SCIENCE AND MATH EDUCATION FOR HARD TO STAFF URBAN SCHOOLS
03/03/2000 - 02/28/2003 FY02: $0 Total: $399,880
Prin. Invest.: T ADENIKA-MORROW
Tech. Officer: GSFC/B WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 6529 CALIFORNIA STATE UNIV - MONTERY BAY 1815
DEVELOPMENT OF A REGIONAL-SCALE ECOSYSTEM PROCESS MODEL FOR EVALUATING THE IMPACTS OF DEVELOPMENT A
12/08/1997 - 12/31/2001 FY02: $0 Total: $700,000
Prin. Invest.: L PIERCE
Tech. Officer: GSFC/A JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99020 CALIFORNIA STATE UNIV - MONTERY BAY 1816
APPLICATION OF REMOTE SENSING AND ECOSYSTEM MODEL- ING TO VINEYARD MANAGEMENT IN CA NAPA VALLEY
08/13/1999 - 11/01/2002 FY02: $50,000 Total: $368,986
Prin. Invest.: L F JOHNSON
Tech. Officer: SSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 1186 CALIFORNIA STATE UNIV - MONTERY BAY 1817
REMOTE SENSING, ECOSYSTEM MODELING, & GEOSPATIAL A NALYSIS FOR EARTH SYSTEMS SCIENCE & HEALTH
06/28/2000 - 06/30/2003 FY02: $0 Total: $1,522,246
Prin. Invest.: S E ALEXANDER
Tech. Officer: ARC/J C COUGHLAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 4 162 CALIFORNIA STATE UNIV - NORTHRIDGE 1818
NASA EXPLORERS
02/24/1999 - 12/31/2001 FY02: $0 Total: $258,150
Prin. Invest.: W FURUMOTO, M LIPSCHUTZ, G MASSEY
Tech. Officer: DFRC/M MCCARTHY, DFRC/J LARSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4973 CALIFORNIA STATE UNIV - NORTHRIDGE 1819
PRECISE GROUND-BASED PHOTOMETRIC OBSERVATIONS AND SOLAR TOTAL AND SPECTRAL IRRADIANCE OBSERVATIONS B
06/23/1997 - 10/31/2000 FY02: $0 Total: $150,003
Prin. Invest.: G A CHAPMAN
Tech. Officer: GSFC/W J WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 7191 CALIFORNIA STATE UNIV - NORTHRIDGE 1820
ACQUISITION AND ANALYSIS OF PRECISE GROUND-BASED P HOTOMETRIC FULL-DISK IMAGES FOR THE UNDERSTANDIN
03/25/1998 - 07/31/2003 FY02: $0 Total: $143,599
Prin. Invest.: G A CHAPMAN
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 7778 CALIFORNIA STATE UNIV - NORTHRIDGE 1821
A PROPOSAL TO CHARACTERIZE AND UNDERSTAND THE SOUR CES OF SOLAR TOTAL ANDSPECTRAL IRRADIANCE VARIABI
10/28/1998 - 01/31/2003 FY02: $0 Total: $114,487
Prin. Invest.: D A CHAPMAN
Tech. Officer: GSFC/J SHARBER
CASE Category: 11 – ASTRONOMY

NAG 5 7878 CALIFORNIA STATE UNIV - NORTHRIDGE 1822
A PROPOSAL TO COMPARE GROUND-BASED PHOTOMETRIC IMA GES WITH IRRADIANCE DATA FROM SOHO
12/01/1998 - 12/14/2002 FY02: $0 Total: $35,810
Prin. Invest.: G A CHAPMAN
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9726 CALIFORNIA STATE UNIV - NORTHRIDGE 1823
MICROSTRIP ANTENNA DEVELOPMENT FOR SPACECRAFT APPL ICATIONS
07/10/2000 - 08/31/2001 FY02: $0 Total: $100,000
Prin. Invest.: S RENGARAJAN
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10880 CALIFORNIA STATE UNIV - NORTHRIDGE 1824
STUDY OF THE POWER INPUT TO THE SOLAR CORONA FROM INTERMIT- TENT MAGNETIC FOOTPRINT MOTIONS
05/14/2001 - 05/31/2004 FY02: $0 Total: $62,896
Prin. Invest.: A CADAVID
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 5 489 CALIFORNIA STATE UNIV - NORTHRIDGE 1825
ANALYZING DATA SETS
04/06/2000 - 02/28/2004 FY02: $0 Total: $596,534
Prin. Invest.: C SHUBIN
Tech. Officer: GSFC/M MATTHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 513 CALIFORNIA STATE UNIV - NORTHRIDGE 1826
FAILURE ANALYSIS PREVENTION, AND RELIABILITY MODEL ING FOR SUB-MICRON ELECTRONICS TECHNOLOGY, A RESE
08/29/2000 - 08/31/2002 FY02: $0 Total: $998,380
Prin. Invest.: B BAVARIAN
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 4 200 CALIFORNIA STATE UNIV-BAKERSFIELD 1827
METRIC ANALYSIS AND EVALUATION FOR NASA/DRYDEN FLI GHT RE-SEARCH
01/31/2000 - 02/06/2003 FY02: $0 Total: $73,041
Prin. Invest.: K L NYBERG
Tech. Officer: DFRC/K S SHY
CASE Category: 49 – ENGINEERING, OTHER

NAG 4 161 CALIFORNIA STATE UNIV, DOMINQUEZ HILLS 1828
STEP PACE SCIENCE TECH PROJECT
02/17/1999 - 12/31/2001 FY02: $0 Total: $299,869
Prin. Invest.: E KRINSKY
Tech. Officer: DFRC/M MC CARTHY, DFRC/J LARSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 99010 CALIFORNIA STATE UNIV, DOMINQUEZ HILLS 1829
SOUTHERN CALIFORNIA CENTER FOR MANAGING FIRE HAZ- ARDS AT THE URBAN WILDLANDS INTERFACE
03/03/1999 - 02/28/2003 FY02: $0 Total: $1,587,523
Prin. Invest.: C LEE
Tech. Officer: JSC/C HILL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 2 1001 FOOTHILL-DE ANZA COM COLL SYSTEM OFF 1830
SCIENTIFIC-TECHNICAL & BUSINESS CAREERS TRAINING G RANT
07/07/1993 - 08/31/2001 FY02: $0 Total: $9,788,648
Prin. Invest.: M CONWAY
Tech. Officer: ARC/M E LOPEZ, ARC/J M MCCULLOUGH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 2 52280 FOOTHILL-DE ANZA COM COLL SYSTEM OFF 1831
EXPERIMENTAL INTERNSHIPS SUPPORTING ASTROBIOLOGY A EROSPACE TECHNOLOGY & INFORMATION TECHNOLOGY
07/03/2001 - 06/30/2003 FY02: $0 Total: $836,324
Prin. Invest.: V K SERMON
Tech. Officer: ARC/G JAMES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9700 GLENDALE COMM COLL 1832
CIMMARUSTI SCIENCE CENTER
07/18/2000 - 08/14/2004 FY02: $0 Total: $3,831,000
Prin. Invest.: L SEROT
Tech. Officer: GSFC/H KASS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 5510 HARVEY MUDD COLL 1833
A SAMPLE LOADING AND MANIPULATION SYSTEMS (SLIMS) FOR THE CHEMIN XRD/XRF INSTRUMENT
09/11/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: J A KING
Tech. Officer: ARC/D F BLAKE
CASE Category: 12 – CHEMISTRY

NAG 9 1452 LOMA LINDA UNIV 1834
RESPONSE OF THYROID FUNCTIONAL TISSUE UNITS TO SPACE-LIKE RADIATION FIELDS
08/15/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: L M GREEN
Tech. Officer: JSC/C LLOYD
CASE Category: 56 – MEDICL

NCC 9 118 LOMA LINDA UNIV 1835
COOPERATIVE RESEARCH IN PROTON SPACE RADIATION
02/02/2001 - 12/31/2001 FY02: $0 Total: $3,661,000
Prin. Invest.: G NELSON, J ARCHAMBEAU, J SLATER
Tech. Officer: JSC/F CUCINOTTA
CASE Category: 13 – PHYSICS

NCC 9 149 LOMA LINDA UNIV 1836
COOPERATIVE RESEARCH IN PROTON SPACE RADIATION
03/28/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: J SLATER, D GRIDLEY
Tech. Officer: JSC/F CUCINOTTA
CASE Category: 13 – PHYSICS

NAG 2 6062 NATIONAL HISPANIC UNIV 1837
PRE COLL ACHIEVEMENT OF EXCELLENCE IN MATHEMATI CS SCIENCE ENGINEERING AND TECHNOLOGY PROJECT DIS
08/21/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: J HAWKINS
Tech. Officer: ARC/A CARDENAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1343 NATIONAL HISPANIC UNIV 1838
SCHOLARSHIP SUPPORT OF LATION AND /OR NATIVE AMERI CAN HIGH SCHOOL STUDENTS AND LATINO COLL PREPA
06/04/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: M PEREZ
Tech. Officer: ARC/A CARDENAS
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 6055 NATIONAL HISPANIC UNIV 1839
A PROPOSAL TO ESTABLISH A TEACHER ENHANCEMENT PROG RAM FOR RURAL ELEMENTARY TEACHERS SERVING LARGE P
02/19/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: J S HAWKINS
Tech. Officer: ARC/A CARDENAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 664 NATIONAL HISPANIC UNIV 1840
THE FUTURE MSET TEACHERS CENTER FOR EDUCATIONAL EX CELLENCE
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J HAWKINS
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11197 PASADENA CITY COLL 1841
SMARTT: SCIENTISTS MENTORING ASTRONOMY RESEARCH T EAMS OF TOMORROW: A PROPOSAL FOR DOING RESEARCH
09/13/2001 - 12/31/2003 FY02: $0 Total: $60,000
Prin. Invest.: J SEPIKAS
Tech. Officer: GSFC/P J SAKIMOTO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9618 POMONA COLL 1842
THERMAL AND MECHANICAL ANALYSIS OF SMALL, SHALLOW MAGMA RESERVOIRS ON MARS
05/18/2000 - 09/30/2002 FY02: $0 Total: $38,400
Prin. Invest.: E GROSFILS
Tech. Officer: GSFC/J BOYCE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10157 POMONA COLL 1843
VOLCANIC & TECTONIC HISTORY OF THE NEMESIS TESSERA REGION ON VENUS
12/18/2000 - 12/31/2003 FY02: $0 Total: $24,800
Prin. Invest.: E GROSFILS
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10498 POMONA COLL 1844
THERMOMECHANICAL ANALYSIS OF SMALL, SHALLOW MAGMA RESERVOIRS ON MARS: IMPLICATONS FOR RESERVOIR FAIL
03/09/2001 - 03/14/2003 FY02: $0 Total: $30,000
Prin. Invest.: E GROSFILS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 2 6060 SAN BERNARDINO VALLEY COLL 1845
STUDENT SUCCESS IN MESA PROPOSAL
08/14/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: D AVILA
Tech. Officer: ARC/A CARDENAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 02082 SAN DIEGO STATE UNIV 1846
A DIFFUSION BASED APPROACH TO THERMAL TOMOGRAPHY
04/08/2002 - 04/07/2004 FY02: $0 Total: $0
Prin. Invest.: R A KLINE
Tech. Officer: LARC/W P WINFREE, LARC/P A HOWELL
CASE Category: 13 – PHYSICS

NAG 5 8560 SAN DIEGO STATE UNIV 1847
ENVIRONMENTAL CHANGE AND NATURAL HAZARD ASSESSMENT IN WESTERN TURKMENIS-TAN USING INTERFEROMETRIC SY
07/14/1999 - 06/30/2003 FY02: $0 Total: $127,864
Prin. Invest.: R MELLORS
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9301 SAN DIEGO STATE UNIV 1848
OPERATIONAL MONITORING OF ALTERATION IN REGIONAL FOREST COVER USING MULTITEMPORAL REMOTE SENSING
03/20/2000 - 04/30/2003 FY02: $0 Total: $158,396
Prin. Invest.: J FRANKLIN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10376 SAN DIEGO STATE UNIV 1849
PROBING SHOCKS & WINDS IN THE PECULIAR BINARY STAR VSAGITTAE (FUSE 00)
02/08/2001 - 02/14/2003 FY02: $0 Total: $44,100
Prin. Invest.: J WOOD
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11141 SAN DIEGO STATE UNIV 1850
FIRE, LAND COVER AND CLIMATE CHANGE: IMPACTS ON RIVER FLOWS IN SEMI-ARID SHRUBLAND WATERSHEDS
07/26/2001 - 07/31/2004 FY02: $0 Total: $76,249
Prin. Invest.: A HOPE
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12348 SAN DIEGO STATE UNIV 1851
ACCRETION DISK VISCOSITY (FUSE 2001)
08/20/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: J WOOD
Tech. Officer: GSFC/GSONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12401 SAN DIEGO STATE UNIV 1852
PICOPLANKTON AND OTHER PHYTOPLANKTON FUNCTIONAL GROUPS: OPTICAL PROPERTIES AND REMOTE SENSING
07/24/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: J MUELLER
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99017 SAN DIEGO STATE UNIV 1853
REGIONAL CHANGE MONITORING OF HABITAT RESERVE SYSTEMS WITH VERY HIGH RESOLUTION REMOTELY SENSED
07/19/1999 - 10/31/2002 FY02: $0 Total: $430,000
Prin. Invest.: D STOW
Tech. Officer: JSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 00199 SAN DIEGO STATE UNIV 1854
R & D TO SUPPORT GSFC'S SIMBIOS PROJECT
01/26/2001 - 11/30/2002 FY02: $0 Total: $112,600
Prin. Invest.: J L MUELLER
Tech. Officer: GSFC/C R CRANE
CASE Category: 33 – OCEANOGRAPHY

NAS 5 00202 SAN DIEGO STATE UNIV 1855
R & D TO SUPPORT GSFC'S SIMBIOS PROJECT
02/07/2001 - 11/30/2002 FY02: $0 Total: $171,476
Prin. Invest.: C C TREES
Tech. Officer: GSFC/C R MCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NCC 3 842 SAN DIEGO STATE UNIV 1856
DYNAMICS OF FLAME SPREAD IN MRCROGRAVITY ENVIRONME NT
01/05/2001 - 11/30/2004 FY02: $0 Total: $115,000
Prin. Invest.: S BHATTACHARJEE
Tech. Officer: GRC/S L OLSON
CASE Category: 49 – ENGINEERING, OTHER

NCC13 00002 SAN DIEGO STATE UNIV 1857
AFFILIATED RESEARCH CENTE (ARC) PROGRAM AT SAN DIEGO STATE UNIV
02/11/2000 - 02/10/2005 FY02: $0 Total: $374,999
Prin. Invest.: D STOWE
Tech. Officer: SSC/A PEEK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 02018 SAN DIEGO STATE UNIV 1858
GRADUATE STUDENT RESEARCHER PROGRAM (GSRP)
07/10/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: P ETZEL, J L STOCKUM
Tech. Officer: LARC/D D MAZANEK
CASE Category: 11 – ASTRONOMY

NGT 5 30335 SAN DIEGO STATE UNIV 1859
LONG-TERM IMPACTS OF FIRE ON STREAMFLOW IN CALIFOR NIA MEDITERRANEAN-TYPE SHRUB LANDS: AN INTEGRATED
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: A S HOPE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30367 SAN DIEGO STATE UNIV 1860
ASSESSING THE AFFECTS OF VARIATIONS IN SOIL MOISTU RE ON THE SURFACE ENERGY BALANCEAND CARBON/R
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: A HOPE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30439 SAN DIEGO STATE UNIV 1861
HYDRO-ECOLOGICAL LINKAGES IN URBANIZING WATERSHEDS : A PROCESS-BASED ASSESSMENT OF LAND-USE CHAN
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C TAGUE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30444 SAN DIEGO STATE UNIV 1862
LONG-TERM IMPACTS OF FREQUENT FIRE AND URBANIZATIO N ON NATIVE VEGETATIONIN CALIFORNIA MEDITERREAN-T
08/23/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J FRANKLIN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1285 SAN FRANCISCO STATE UNIV 1863
FREE FLIGHT INFORMATION & AUTOMATION ISSUES
02/08/1999 - 02/14/2003 FY02: $0 Total: $266,337
Prin. Invest.: K L MOSIER, E A LYALL
Tech. Officer: ARC/J M ORASANU
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 5 7511 SAN FRANCISCO STATE UNIV 1864
THE SEASONAL AND INTERANNUAL VARIABILITY OF PHYTOP LANKTON IN THE BERING SEA AS INFLUENCED BY SEA IC
07/24/1998 - 07/31/2002 FY02: $0 Total: $326,863
Prin. Invest.: D H ROBINSON
Tech. Officer: GSFC/J W MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8013 SAN FRANCISCO STATE UNIV 1865
A COUPLED ICE-OCEAN MODEL OF MESOCALE PHYSICAL/BIO LOGICAL INTERACTIONS IN THE SOUTHERN OCEAN
01/20/1999 - 01/31/2002 FY02: $0 Total: $115,840
Prin. Invest.: D H ROBINSON
Tech. Officer: GSFC/J W CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 1128 SAN FRANCISCO STATE UNIV 1866
CONSTRUCTION OF A LONG-TERM CLIMATOLOGY OF ANTARCT IC & ARTIC POLAR STRATOSPHERIC CLOUDS BY AN AUTOM
07/01/1999 - 12/31/2001 FY02: $0 Total: $105,000
Prin. Invest.: K L PAGAN
Tech. Officer: ARC/R S HIPSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1277 SAN FRANCISCO STATE UNIV 1867
EFFECTS OF CENTRIFUGATION ON THE IMMUNE RESPONSE O F MAC-ROPHAGES & DIFFERENTATION INTO OSTEOCLASTS
08/15/2001 - 07/31/2003 FY02: $0 Total: $10,427
Prin. Invest.: S WEINSTEIN
Tech. Officer: ARC/N D SEARBY
CASE Category: 51 – BIOLOGY (EXCLUDINGENVIR)

NCC 2 1278 SAN FRANCISCO STATE UNIV 1868
MODELING THE ONSET EXTENT & DURATION OF HEHYDRATIO N IN THE WINTER POLAR VORTEX, USING IMPACT, AVHRR
08/15/2001 - 07/31/2003 FY02: $0 Total: $80,000
Prin. Invest.: P FOSCHI
Tech. Officer: ARC/S HIPSKIND, ARC/A TABAZADEH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5301 SAN FRANCISCO STATE UNIV 1869
AERONAUTICAL TELECOMMUNICATION NETWORK MODELING & SIMULA-TION
12/04/1998 - 11/30/2001 FY02: $0 Total: $59,973
Prin. Invest.: H SHAHNASSER
Tech. Officer: ARC/P R GRAMS, ARC/J WANG
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 6059 SAN FRANCISCO STATE UNIV 1870
EDUCATIONAL OUTREACH TO ENCOURAGE AND INSPIRE THE PURSUIT OF CAREERS IN SCIENCE ANDENGINEERING TO D
07/19/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: S UJLAKI, M SCOTT
Tech. Officer: ARC/M E DUENAS
CASE Category: 62 – PSYCHOLOGY SOCIAL ASPECTS

NAG 1 2205 SAN JOSE STATE UNIV 1871
CHARACTIZ'G STRATOSPHERIC & TROPOSPHERIC AEROSOL: THEORETI-CAL STUDIES & ANAL OF SATELLITE DATA (NRA)
06/15/1999 - 02/28/2003 FY02: $0 Total: $84,103
Prin. Invest.: P HAMILL
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1421 SAN JOSE STATE UNIV 1872
WEB-BASED INTEGRATION OF DATA BASES & APPLICATIONS FOR NA-TIONAL AIRSPACE SYSTEM ANALYSIS
07/14/2000 - 07/14/2002 FY02: $0 Total: $40,000
Prin. Invest.: G POUR, K CORKER
Tech. Officer: ARC/D KOZARSKY
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1435 SAN JOSE STATE UNIV 1873
SHARED CONTROL AMONG AIR TRAFFIC CONTROL, FLIGHT D ECK, & DECISION AIDING SYSTMES: PERFORMANCE PARAM
09/13/2000 - 08/31/2001 FY02: $0 Total: $150,943
Prin. Invest.: K CORKER
Tech. Officer: ARC/I C STATLER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1454 SAN JOSE STATE UNIV 1874
PROPOSAL SSTATEMENT OF WORK FOR THE MODELING & SYS TEM SAFETY & STABILITY SUB-ELEMENT-ELEMENT SYSTEM
02/01/2001 - 02/28/2002 FY02: $10,000 Total: $105,028
Prin. Invest.: K CORKER
Tech. Officer: ARC/I STATLER, ARC/M M CONNORS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1528 SAN JOSE STATE UNIV 1875
THE VIRTUAL GLOVEBOX (VGX): A PROCEDURE IDENTIFIC ATION, TASK ANALYSIS & COMPUTER AIDEDDESIGN
10/22/2001 - 01/31/2003 FY02: $19,263 Total: $19,263
Prin. Invest.: K M CORKER
Tech. Officer: ARC/J D SMITH, ARC/R BOYLE
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 2 1550 SAN JOSE STATE UNIV 1876
REQUIREMENTS SPECIFICATION FOR REAL AND FAST TIME SCENARIOS FOR SIMULATED EVALUATION OF ADVANCED AIR
04/12/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: K CORKER
Tech. Officer: ARC/S LOZITO, ARC/R ASHFORD
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1563 SAN JOSE STATE UNIV 1877
HUMAN SYSTEM PERFORMANCE MODELING FOR PREDICTION O F ER-RORNEOUS BEHAVIOR: ADVANCED AND INTEGRATED VI
05/30/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: K CORKER
Tech. Officer: ARC/D FOYLE
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 6056 SAN JOSE STATE UNIV 1878
DEVELOPMENT OF THE NASA AMES TEACHER INST
06/05/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: E M LANDESMAN
Tech. Officer: ARC/L K COE, ARC/D G JAMES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4372 SAN JOSE STATE UNIV 1879
RADIO OCCULTATION INVESTIGATION OF THE RINGS OF SA
04/25/1997 - 02/28/2002 FY02: $0 Total: $142,400
Prin. Invest.: D A MAROUF
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9500 SAN JOSE STATE UNIV 1880
NUMERICAL SIMULATION OF MARS' CONVECTIVE BOUNDARY LAYER AND DUST DEVILS
05/09/2000 - 05/31/2003 FY02: $0 Total: $114,200
Prin. Invest.: S C RAFKIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9751 SAN JOSE STATE UNIV 1881
MESOSCALE & LES MODELING OF THE MARTIAN ATMOSPHERE WIND STREAKS AND DUST DEVILS
06/27/2000 - 06/30/2003 FY02: $0 Total: $102,100
Prin. Invest.: S RAFKIN
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9766 SAN JOSE STATE UNIV 1882
LARGE-SCALE WAVE ACTIVITY IN A MARS GENERAL CIRCUL ATION MODEL: CHARACTERIZATION & COMPARISON WITH
06/29/2000 - 06/30/2003 FY02: $0 Total: $62,900
Prin. Invest.: A BRIDGER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11184 SAN JOSE STATE UNIV 1883
CLIMATOLOGY AND NUMERICAL SIMULATION OF CONDENSATE CLOUDS DETECTED BY MGS
09/05/2001 - 09/14/2004 FY02: $0 Total: $45,077
Prin. Invest.: S RAFKIN
Tech. Officer: GSFC/J M BOYCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11185 SAN JOSE STATE UNIV 1884
AVP GRADUATE STUDIES AND RESEARCH
08/21/2001 - 08/31/2003 FY02: $0 Total: $34,300
Prin. Invest.: A BRIDGER
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12302 SAN JOSE STATE UNIV 1885
CONTINUED STUDIES OF STATIONARY PLANETARY-SCALE WA VES IN MARS' ATMOSPHERE
06/20/2002 - 06/30/2004 FY02: $0 Total: $0
Prin. Invest.: A BRIDGER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 8 1735 SAN JOSE STATE UNIV 1886
URBAN EFFECT ON THUNDERSTORMS
08/04/2000 - 12/31/2001 FY02: $0 Total: $50,000
Prin. Invest.: R BORNSTEIN
Tech. Officer: MSFC/D QUATTROCHI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1015 SAN JOSE STATE UNIV 1887
INTEGRATING LEGACY APPLICATIONS WITHIN A MIDDLEWAR E ENVIRON-MENT
02/01/1998 - 07/31/2001 FY02: $0 Total: $189,814
Prin. Invest.: R FATOOHI, D HARKEY
Tech. Officer: ARC/M E LIVINGSTON, ARC/D KAWAK
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1045 SAN JOSE STATE UNIV 1888
AIRBORNE MEASUREMENT RESEARCH
06/30/1998 - 06/30/2003 FY02: $0 Total: $141,145
Prin. Invest.: J GOODMAN
Tech. Officer: ARC/PBUI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1060 SAN JOSE STATE UNIV 1889
SOLAR WIND STUDIES & AI TECHNOLOGIES
08/11/1998 - 10/31/2001 FY02: $0 Total: $370,550
Prin. Invest.: P J HAMILL
Tech. Officer: ARC/A BARNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 1071 SAN JOSE STATE UNIV 1890
ASSESSMENT OF DISTRIBUTED OBJECT MIDDLEWARE
11/16/1998 - 04/30/2001 FY02: $0 Total: $174,997
Prin. Invest.: R FATOOHI
Tech. Officer: ARC/T A LASINSKI
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1095 SAN JOSE STATE UNIV 1891
HUMAN FACTORS RESEARCH, TEHCNOLOGY & SAFETY
03/11/1999 - 04/30/2002 FY02: $0 Total: $6,678,686
Prin. Invest.: K P JORDAN
Tech. Officer: ARC/R K DISMUKES, ARC/C H NULL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1096 **SAN JOSE STATE UNIV** **1892**
EFFECTS OF CHRONIC EXPOSURE TO HYPER GRAVITY ON DI FFERENT STRAINS OF YOUNG & MATURE RATS
03/11/1999 - 07/31/2002 FY02: $0 Total: $169,868
Prin. Invest.: R A FOX
Tech. Officer: ARC/N G DAUNTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 1097 **SAN JOSE STATE UNIV** **1893**
FLIGHT MANAGEMENT & AIR TRAFFIC MODELING
03/19/1999 - 10/31/2002 FY02: $0 Total: $1,843,773
Prin. Invest.: K P JORDAN
Tech. Officer: ARC/M B TISCHLER, ARC/B D MCNALLY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1106 **SAN JOSE STATE UNIV** **1894**
EXPERIMENTAL STUDIES OF THE DISTRIBUTION OF & INTE RACTION BETWEEN REACTIVE TRACE CHEMICALS WITH DYN
04/12/1999 - 03/31/2003 FY02: $0 Total: $655,961
Prin. Invest.: J GOODMAN
Tech. Officer: ARC/P BUI, ARC/E P CONDON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1132 **SAN JOSE STATE UNIV** **1895**
THE INFLURENCE OF THE ATMOSPHERE ON POLARIZED BI-D IRECTIONAL REFLECTANCE DATA OF BOREALWETLANDS
08/17/1999 - 12/31/2001 FY02: $0 Total: $31,000
Prin. Invest.: P A HAMILL, U BOTTGER
Tech. Officer: ARC/V VANDERBILT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 1155 **SAN JOSE STATE UNIV** **1896**
FLIGHT HUMAN FACTORS
02/02/2000 - 01/31/2003 FY02: $0 Total: $3,034,917
Prin. Invest.: K JORDON
Tech. Officer: ARC/R J DISMUKES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1168 **SAN JOSE STATE UNIV** **1897**
PLANETARY ATMOSPHERIC STRUCTURE FROM SPACECRAFT DATA
03/29/2000 - 12/31/2001 FY02: $0 Total: $113,429
Prin. Invest.: A BRIDGER
Tech. Officer: ARC/R E YOUNG
CASE Category: 11 – ASTRONOMY

NCC 2 1248 **SAN JOSE STATE UNIV** **1898**
RINGS NODE DATA ARCHIVE MANAGEMENT
03/27/2001 - 03/31/2003 FY02: $0 Total: $96,360
Prin. Invest.: P J HAMIL
Tech. Officer: ARC/J N CUZZI
CASE Category: 11 – ASTRONOMY

NCC 2 1284 **SAN JOSE STATE UNIV** **1899**
A PROPOSAL TO SUPPORT FUTURE FLIGHT RESEARCH AT NA SA AMES RESEARCH CENTER
09/17/2001 - 11/30/2002 FY02: $0 Total: $16,098
Prin. Invest.: M S PATANKAR
Tech. Officer: ARC/N S DORGHI, ARC/B SULLIVAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1285 **SAN JOSE STATE UNIV** **1900**
ARTIFICIAL INTELLIGENCE STUDIES OF SPACE SCIENCE D ATA
09/27/2001 - 09/30/2003 FY02: $0 Total: $52,330
Prin. Invest.: P A HAMILL
Tech. Officer: ARC/T L ROUSH, ARC/J SCARGLE
CASE Category: 11 – ASTRONOMY

NCC 2 1286 **SAN JOSE STATE UNIV** **1901**
RESEARCH COLLABORATIVE WITH COMPUTATIONAL SCIENCES DIVISION (CSD)
09/28/2001 - 09/30/2002 FY02: $0 Total: $93,000
Prin. Invest.: J MURPHY
Tech. Officer: ARC/N MUSCETTOLA, ARC/D CLANCY
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 1289 **SAN JOSE STATE UNIV** **1902**
SYSTEMS SAFETY RESEARCH
02/01/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: K JORDAN
Tech. Officer: ARC/K DISMUKES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1294 **SAN JOSE STATE UNIV** **1903**
RESEARCH COLLABORATIVE WITH NASA - ARC
11/01/2001 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: N IBRAHIM
Tech. Officer: ARC/G S HUBBARD
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 2 1302 **SAN JOSE STATE UNIV** **1904**
HUMAN INFORMATION MANAGEMENT
02/01/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: K JORDAN
Tech. Officer: ARC/R K DISMUKES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1305 **SAN JOSE STATE UNIV** **1905**
AVIAITON MONITORING AND MODELING SUB ELEMENT SYSTE M WIDE ACCIDENT PREVENTION; NASA AVIATION SAFETY
02/26/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: K CORKER
Tech. Officer: ARC/I STATLER, ARC/M M CONNORS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1307 **SAN JOSE STATE UNIV** **1906**
SJSU/NASA COORDINATION OF AIR MIDAS SAFETY DEVELOP MENT HUMAN ERROR MODELING: NASA AVIAITON SAFETY P
02/26/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: K CORKER
Tech. Officer: ARC/D C FOYLE
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1313 **SAN JOSE STATE UNIV** **1907**
SYSTEM WIDE ACCIDENT PREVENTION HUMAN FACTORS ANAL YSIS EVALUATION PROVIDED TO THE NASA AVIATION SAF
02/28/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: K CORKER
Tech. Officer: ARC/B BEARD, ARC/D FOYLE
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1314 **SAN JOSE STATE UNIV** **1908**
DISTRIBUTIONA ND SOURCES OF REACTIVE TRACE GASES A ND AEROSOL IN THE TROPOSPHERE OF THE WESTERN PACI
02/20/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: P HAMILL, W VIEZEE
Tech. Officer: ARC/H SINGH, ARC/R S HIRSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1365 **SAN JOSE STATE UNIV** **1909**
FLIGHT MANAGEMENT AND AIR - TRAFFIC MODELING
09/12/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: K JORDAN
Tech. Officer: ARC/M TISCHLER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1368 **SAN JOSE STATE UNIV** **1910**
RESEARCH COLLABORATIVE WITH COMPUTATIONAL SCIENCES DIVISION
09/24/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: N IBRAHIM
Tech. Officer: ARC/D CLANCY, ARC/S LAU
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 5311 **SAN JOSE STATE UNIV** **1911**
EXTOMYCORRHIZAE ECOLOGY IN YELLOWSTONE PARK
03/17/1999 - 01/31/2002 FY02: $0 Total: $78,220
Prin. Invest.: C A BRINEGAR
Tech. Officer: ARC/K W CULLINGS, ARC/M L FONDA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5330 **SAN JOSE STATE UNIV** **1912**
INVESTIGATION OF MARS' ATMOSPHERIC CONDITIONS IN C ONNECTION WITH AEROBRAKING & AEROCAPTURE ACTIVITI
07/08/1999 - 06/30/2002 FY02: $0 Total: $41,002
Prin. Invest.: A C BRIDGER
Tech. Officer: ARC/R M HABERLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5336 **SAN JOSE STATE UNIV** **1913**
AN INVESTIGATION OF CYCLO-FRONTO-CENESIS MARS' ATM OSPHERE
07/20/1999 - 07/14/2001 FY02: $0 Total: $169,405
Prin. Invest.: J L HOLLINGSWORT
Tech. Officer: ARC/R M HABERLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5338 **SAN JOSE STATE UNIV** **1914**
FAR INFARED EMISSION FROM GALACTIC & EXTRAGALACTIC INTERSTELLAR GAS
07/23/1999 - 07/31/2001 FY02: $0 Total: $48,434
Prin. Invest.: M J KAUFMAN
Tech. Officer: ARC/D J HOLLEN
CASE Category: 11 – ASTRONOMY

NCC 2 5344 **SAN JOSE STATE UNIV** **1915**
ASTROBIOLGOY RAPID RATES OF CHANGE
08/12/1999 - 07/31/2002 FY02: $0 Total: $30,000
Prin. Invest.: E P METZGER
Tech. Officer: ARC/H L D'ANTONI
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 5347 **SAN JOSE STATE UNIV** **1916**
VOLATILE OXYGENATED HYDROCARBONS - ANALYTICAL SYST EM DEVELOPMENT & TROPOSPHERIC ATMOSPHERIC CHEMIST
09/01/1999 - 01/31/2002 FY02: $0 Total: $30,000
Prin. Invest.: P A HAMMILL
Tech. Officer: ARC/H B SINGH, ARC/E P CONDON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5402 **SAN JOSE STATE UNIV** **1917**
IDENTIFICATION & CHARACTERIZATION OF NON-INVENTORI ED TERRESTRIAL IMPACT CRATERS
10/05/2000 - 09/30/2001 FY02: $0 Total: $10,000
Prin. Invest.: P MESSINA
Tech. Officer: ARC/H L D'ANTONI, ARC/E P CONDON
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 2 5435 **SAN JOSE STATE UNIV** **1918**
AVP GRADUATE STUDIES & RESEARCH
05/15/2001 - 04/30/2002 FY02: $0 Total: $8,293
Prin. Invest.: P HAMILL
Tech. Officer: ARC/K ZAHNLE
CASE Category: 11 – ASTRONOMY

NCC 2 5450 **SAN JOSE STATE UNIV** **1919**
ANALYSIS OF SATELLITE DATA AND PREPARATION OF REPO RTS ON A SRATOSPHERIC AEROSOL CLIMATOLOGY
07/30/2001 - 04/30/2002 FY02: $0 Total: $6,765
Prin. Invest.: P A HAMILL
Tech. Officer: ARC/P B RUSSELL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5451 **SAN JOSE STATE UNIV** **1920**
EXTREME ATMOSPHERIC ENVIRONMENTS AND HABITABLE CLI MATES
07/30/2001 - 07/31/2003 FY02: $0 Total: $46,000
Prin. Invest.: J L HOLLINGSWORTH
Tech. Officer: ARC/R E YOUNG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5452 **SAN JOSE STATE UNIV** **1921**
ANALYSIS OF THE INTERACTION OF HALOGENTATED AND OR GANIC GASES WITH ATMOSPHERIC PARTICULATES
08/03/2001 - 07/31/2003 FY02: $0 Total: $10,175
Prin. Invest.: P J HAMILL
Tech. Officer: ARC/L T IRACI, ARC/A TABAZADEH
CASE Category: 12 – CHEMISTRY

NCC 2 5460 **SAN JOSE STATE UNIV** **1922**
IONIZED, NEUTRAL & MOLECULAR GAS DIAGNOSTICS IN GA LAXIES: MODELS FOR SIRTF
09/17/2001 - 08/31/2003 FY02: $0 Total: $19,666
Prin. Invest.: M J KAUFMAN
Tech. Officer: ARC/D J HOLLENBACH, ARC/R E YOUNG
CASE Category: 11 – ASTRONOMY

NCC 2 5465 **SAN JOSE STATE UNIV** **1923**
COMPOSITION & DYNAMICS OF SATURN'S RINGS
09/26/2001 - 08/14/2002 FY02: $0 Total: $10,000
Prin. Invest.: P A HAMILL
Tech. Officer: ARC/J N CUZZI, ARC/J J LISSAUER
CASE Category: 11 – ASTRONOMY

NCC 2 5468 SAN JOSE STATE UNIV 1924
THE RUNAWAY GREENHOUSE EFFECT ON EARTH & OTHER PLA NETS
10/16/2001 - 09/30/2002 FY02: $15,000 Total: $15,000
Prin. Invest.: P A HAMILL
Tech. Officer: ARC/P PILEWSKIE, ARC/W J GORE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5476 SAN JOSE STATE UNIV 1925
EARTH SCIENCE APPLICATIONS OF NEURAL NETWORKS
11/23/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: E F METZGER
Tech. Officer: ARC/H L D'ANTONIO, ARC/J BRASS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 5498 SAN JOSE STATE UNIV 1926
THE EFFECT OF CLOUD CRYSTALLIZATION PROCESSES ON C LIMATE CHANGE & OZONE
07/01/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: P HAMILL
Tech. Officer: ARC/A TABAZADEH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5521 SAN JOSE STATE UNIV 1927
EJECTA FROM CRATERS IN THE SATURNIAN SYSTEM
09/04/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: P HAMILL
Tech. Officer: ARC/K ZAHNLE, ARC/J LISSAUAR
CASE Category: 11 – ASTRONOMY

NCC 2 6042 SAN JOSE STATE UNIV 1928
STELLAR 2000
03/03/2000 - 04/30/2001 FY02: -$18,985 Total: $176,515
Prin. Invest.: M M AVERNER
Tech. Officer: ARC/R D MACELROY
CASE Category: 59 – LIFE SCIENCE, OTHER

NGT 2 52262 SAN JOSE STATE UNIV 1929
SUMMER FACULTY RESEARCH FELLOWSHIP PROGRAM
03/31/2000 - 04/30/2003 FY02: $0 Total: $774,968
Prin. Invest.: B STONE
Tech. Officer: ARC/M MOORE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12113 SANTA ANA COLL-RANCHO SANTA COMM COLL 1930
PARTNERSHIP OF THE DISCOVERY SCIENCE CENTER AND SA NTA ANA COLL
05/03/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: P BOSTIC
Tech. Officer: HQ/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9736 SANTA CLARA UNIV 1931
DISTRIBUTED SPACE SYSTEM TECHNOLOGY DEMONSTRATIONS WITH THE EMERALD NANOSATELLITE
06/22/2000 - 06/30/2003 FY02: $0 Total: $80,000
Prin. Invest.: C A KITTS
Tech. Officer: GSFC/K LUU
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1156 SANTA CLARA UNIV 1932
EVALUATING BEHAVORIAL-BASED APPROACHES TO CHANGING SAFETY CULTURE IN AVIATION MAINTENANCE
02/25/2000 - 01/31/2002 FY02: $45,000 Total: $370,524
Prin. Invest.: J TAYLOR
Tech. Officer: ARC/B KANKI
CASE Category: 62 – PSYCHOLOGY SOCIAL ASPECTS

NCC 2 1195 SANTA CLARA UNIV 1933
SHARP DEMONSTRATION FLIGHT: VIDEO BROADCAST SYSTEM FOR RE-SEARCH IN INTELLIGENT FLIGHT CHARACTERIZAT
08/24/2000 - 09/30/2001 FY02: $0 Total: $13,300
Prin. Invest.: C A KITTS
Tech. Officer: ARC/P KOLODZIEJ, ARC/S M JOHNSON
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 2 1320 SANTA CLARA UNIV 1934
CONSTRUCTIVE RESEARCH PROJECTS EVALUATING AVIATION MAINTE-NANCE RESOURCE MANAGEMENT
03/12/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: J C TAYLOR
Tech. Officer: ARC/B KANKI, ARC/M CONNORS
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 5 9495 SONOMA STATE UNIV 1935
SWIFT: A PANCHROMATIC GAMMA RAY BURST MIDEX MISSION
04/19/2000 - 01/31/2007 FY02: $0 Total: $487,078
Prin. Invest.: L R COMINSKY
Tech. Officer: GSFC/A PARSONS
CASE Category: 11 – ASTRONOMY

NAG 5 9782 SONOMA STATE UNIV 1936
SWIFT PUBLIC RELATIONS - PART 1
07/06/2000 - 02/28/2002 FY02: $0 Total: $39,970
Prin. Invest.: L R COMINSKY
Tech. Officer: GSFC/N GEHRELS
CASE Category: 11 – ASTRONOMY

NAG 5 11328 SONOMA STATE UNIV 1937
SWIFT AND GLAST PRESS OFFICER FUNDS- FY02
09/18/2001 - 09/30/2006 FY02: $0 Total: $11,600
Prin. Invest.: L R COMINSKY
Tech. Officer: GSFC/A M PARSONS
CASE Category: 11 – ASTRONOMY

NCC 5 429 SONOMA STATE UNIV 1938
SPACE MYSTERIES: INQUIRY-DRIVEN WEB EXPLORATIONS THAT TEACH PHYSICAL SCIENCE & MATHEMATICSSTANDARD
09/29/1999 - 09/30/2003 FY02: $0 Total: $462,992
Prin. Invest.: L COMINSKY
Tech. Officer: GSFC/D GABRYS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2144 STANFORD UNIV 1939
BLENDED-WING-BODY DESIGN FOR ENHANNCED ENVIEONMENT AL AC-CEPTABILITY
03/23/1999 - 12/31/2001 FY02: $0 Total: $351,455
Prin. Invest.: I KROO
Tech. Officer: LARC/R R ANTCLIFF
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1079 STANFORD UNIV 1940
INFRARED SIGNATURE MASKING BY AIR PLASMA RADIATION
08/23/1996 - 10/31/2000 FY02: $0 Total: $221,719
Prin. Invest.: C H KRUGER, C O LAUX
Tech. Officer: ARC/W M HUO
CASE Category: 13 – PHYSICS

NAG 2 1219 STANFORD UNIV 1941
ACTIVE CONTROL OF COMBUSTION INSTABILITY IN AIR-BR EATHING PROPULSION SYSTEMS - A COMPUTATIONAL & ..
05/19/1998 - 04/30/2002 FY02: $0 Total: $1,889,910
Prin. Invest.: C T BOWMAN, C F EDWARDS, G RVETSCH
Tech. Officer: ARC/N N MANSOUR, ARC/A A WRAY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1337 STANFORD UNIV 1942
ENVIRONMENTAL MONITORING FOR SITUATION ASSESSMENT USING MO-BILE & FIXED SENSORS
07/13/1999 - 07/14/2003 FY02: $0 Total: $365,973
Prin. Invest.: R E FIKES
Tech. Officer: ARC/J A KURIEN, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1354 STANFORD UNIV 1943
ROLE OF ADRENERGIC RECEPTORS IN ADAPTATION TO MICR OBRAVITY: GENE TARGETED MICE AS A MODEL OFMICRO
07/21/1999 - 07/14/2003 FY02: $0 Total: $641,171
Prin. Invest.: D BERSTEIN, B K KOBILKA
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1373 STANFORD UNIV 1944
HIGH SPEED JET NOISE PREDICTION USING LARGE EDDY S IMULATIONS
08/11/1999 - 12/31/2001 FY02: $0 Total: $99,478
Prin. Invest.: S K LELE, B I VASHI
Tech. Officer: ARC/D KWAK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1397 STANFORD UNIV 1945
EVALUATION OF CHEMICAL KINETICS AND PHOTOCHEMICAL DATA FOR USE IN STRATOSPHERIC MODELING
02/17/2000 - 12/31/2002 FY02: $0 Total: $122,532
Prin. Invest.: C T BOWMAN
Tech. Officer: ARC/E CONDON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1464 STANFORD UNIV 1946
2-D SELF-CALIBRATING PSEUDOLITE ARRAYS FOR COOPERA TIVE ROVER/AERIAL VEHICLE NAVIGATION
03/23/2001 - 03/14/2003 FY02: $0 Total: $160,149
Prin. Invest.: S M ROCK
Tech. Officer: ARC/R MORRIS, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1478 STANFORD UNIV 1947
COMPACT LASER-BASED SENSORS FOR MONITORING & CONTR OL OF GAS TURBINE COMUSTORS
04/20/2001 - 04/30/2003 FY02: $0 Total: $180,000
Prin. Invest.: R K HANSON
Tech. Officer: ARC/N N MANSOUR, ARC/A A WRAY
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1539 STANFORD UNIV 1948
INTELLIGENT DISTRIBUTED COMBUSTION FOR ADVANCED GA S TURBINE ENGINES
02/22/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: C F EDWARDS, J C GERDES, C T BOWMAN
Tech. Officer: ARC/N MANSOUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1557 STANFORD UNIV 1949
AIR TRAFFIC POLLUTANT PREDICTION
05/01/2002 - 05/30/2003 FY02: $0 Total: $0
Prin. Invest.: P A DURBIN
Tech. Officer: ARC/R M MIRAFLOR, ARC/L TOBIAS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1564 STANFORD UNIV 1950
HYBRID, HEIRARCHICAL CONTROL MODELS OF THE NATIONA L AIRSPACE SYSTEM
06/02/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: C TOMLIN
Tech. Officer: ARC/L TOBIAS, ARC/C QUINN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 1843 STANFORD UNIV 1951
DROP BREAKUP IN FLOW THROUGH FLIXED BEDS AS MODEL STOCHASTIC STRONG FLOWS
05/20/1996 - 04/18/2001 FY02: $0 Total: $480,000
Prin. Invest.: E G SHAQTEH
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 1943 STANFORD UNIV 1952
PROBLEMS IN MICROGRAVITIY FLLUID MECHANICS: THERMO CAPILLARY INSTABILITIES & G-JITTER CONVECTION
09/03/1996 - 02/28/2001 FY02: $0 Total: $385,000
Prin. Invest.: G M HOMSY
Tech. Officer: GRC/J C DUH
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2398 STANFORD UNIV 1953
ANISOTROPIC COLLOIDAL SELF ASSEMBLY ANISOTROPIC COLLOIDAL SELF ASSEMBLY
04/19/2000 - 11/30/2003 FY02: $0 Total: $170,000
Prin. Invest.: A P GAST
Tech. Officer: GRC/J H AGUI
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2446 STANFORD UNIV 1954
MICROGRAVITY FLUID MECHANICS: G-JITTER CONVECTION AND THE MECHANICS OF FLUIDIZED BEDS
05/26/2000 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: G M HOMSY
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2579 STANFORD UNIV 1955
IP INFRASTRUCTURE FOR DISTRIBUTED SPACE SYSTEM
04/13/2001 - 01/30/2004 FY02: $0 Total: $157,710
Prin. Invest.: A FOX
Tech. Officer: GRC/K BHASIN
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2615 **STANFORD UNIV** **1956**
HIGH REGRESSION RATE HYBRID COMBUSTION HIGH REGRESSION RATE HYBRID COMBUSTION
06/19/2001 - 12/31/2001 FY02: $0 Total: $46,500
Prin. Invest.: B J CANTWELL
Tech. Officer: GRC/D M VENTO
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 3 2724 **STANFORD UNIV** **1957**
DROP BREAKUP AND DNA ADVECTION IN FIXED BEDS OF FI BERS: HAIRPIN DYNAMICS IN ORDERED AND DISORDERED
03/07/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D SHAQFEH
Tech. Officer: GRC/G ZIMMERLI
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2738 **STANFORD UNIV** **1958**
MEASUREMENT OF FLOWFIELD DISTORTION AND PARTICLE EQUATION OF MOTION IN TURBULENT GAS FLOWS.
03/15/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: J K EATON
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2812 **STANFORD UNIV** **1959**
AN INVESTIGATION OF THE AMBIENT NOISE FLOOR MEASUR EMENTS AND TRENDS
09/27/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: P ENGE
Tech. Officer: GRC/J E HOLLANSWORTH
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 3441 **STANFORD UNIV** **1960**
DIGITAL TOPOGRAPHY PROPOSAL: LONG TERM MONITORING OF EARTH SURFACE CHANGE WITH ERS-1 AND ERS-2....
01/11/1997 - 10/14/2001 FY02: $0 Total: $164,472
Prin. Invest.: H ZEBKER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3732 **STANFORD UNIV** **1961**
TOPOGRAPHIC MAPPING IN THE ANTARCTIC ENVIRONMENT U INTERFER-OMETRY
02/14/1997 - 02/28/2001 FY02: $0 Total: $170,406
Prin. Invest.: D ZEBKER
Tech. Officer: GSFC/R H THOMAS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 3906 **STANFORD UNIV** **1962**
RADAR STUDIES OF LUNAR AND PLANETARY SURFACES
02/21/1997 - 10/31/2003 FY02: $0 Total: $302,850
Prin. Invest.: G TYLER
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 5200 **STANFORD UNIV** **1963**
INVESTIGATION OF THE CORONA/CHROMOSPHERE INTERFACE WITH THE CHROMOSPHERIC/CORONAL SPECTROHELIOGRAPH
05/28/1998 - 05/31/2003 FY02: $0 Total: $466,460
Prin. Invest.: A B WALKER
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5300 **STANFORD UNIV** **1964**
INVESTIGATION OF CHROMOSPHERIC AND CORONAL STRUCTURES WITH ADVANCED TECHNOLOGY SOLAR IMAGER
07/18/2000 - 07/17/2003 FY02: $0 Total: $638,954
Prin. Invest.: B C WALKER
Tech. Officer: HQ/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6148 **STANFORD UNIV** **1965**
SURFACE DEFORMATION AND TOPOGRAPHIC MEASURMENTS FR Y IN THE PRESENCE OF VEGETATION
08/21/1997 - 08/31/2001 FY02: $0 Total: $196,919
Prin. Invest.: H A ZEBKER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6167 **STANFORD UNIV** **1966**
INVERSIION OF TIME DEPENDENT SPACE GEODETIC DATA
08/01/1997 - 06/30/2001 FY02: $0 Total: $306,043
Prin. Invest.: P SEGALL
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6615 **STANFORD UNIV** **1967**
LAND-USE AND LAND-COVER CHANGE IN SONORA, MEXICO
11/17/1997 - 05/14/2001 FY02: $0 Total: $334,383
Prin. Invest.: P MATSON
Tech. Officer: GSFC/A JANETOS
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 7144 **STANFORD UNIV** **1968**
STUDIES OF THE IMPULSIVE PHASE OF SOLAR FLARE: BA SIC MECHANISM AND PARAMETER DISTRIBUTIONS
04/20/1998 - 10/14/2001 FY02: $0 Total: $229,184
Prin. Invest.: V PETROSIAN
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 7208 **STANFORD UNIV** **1969**
CHEMICAL AND ISOTOPIC ANALYSIS OF TRACE ORGANIC MA TTER ON METEORITES AND INTERSTELLAR DUSTUSING
03/25/1998 - 07/31/2001 FY02: $0 Total: $239,000
Prin. Invest.: R ZARE
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7464 **STANFORD UNIV** **1970**
A TRANSITION EDGE MICROCALORIMETER SPECTROMETER FO R THE EUV AND FUV
11/30/1998 - 12/31/2002 FY02: $0 Total: $232,708
Prin. Invest.: A C WALKER, JR.
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 7835 **STANFORD UNIV** **1971**
THE INTERFACE OF TRANSITION REGION AND CORONAL PLA SMAS WITH THE CHROMOSPHERIC NETWORK
12/14/1998 - 12/14/2002 FY02: $0 Total: $241,451
Prin. Invest.: D B GALARCE
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8025 STANFORD UNIV 1972
SEPS/CEPPAD SCIENCE INVESTIGATION
01/12/1999 - 12/31/2001 FY02: $0 Total: $160,000
Prin. Invest.: M WALT
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8563 STANFORD UNIV 1973
URBANIZATION, LAND USE AND BIOLOGICAL RESOURCES
05/24/1999 - 05/31/2002 FY02: $0 Total: $47,001
Prin. Invest.: M L IMHOFF
Tech. Officer: GSFC/M L IMHOFF
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8600 STANFORD UNIV 1974
X-RAY AND MICROWAVE MODELS IN SUPPORT OF HESSI SOLAR FLARE OBSERVATIONS
06/14/1999 - 06/14/2003 FY02: $0 Total: $135,080
Prin. Invest.: V PETROSIAN
Tech. Officer: GSFC/G D HOLMAN
CASE Category: 11 – ASTRONOMY

NAG 5 8645 STANFORD UNIV 1975
STUDYING THE EFFECTS OF CA, MG, AND K ON AEROSOL SIZE & COMPOSITION, NOY & RADIATIVE TRANSFER
07/13/1999 - 07/31/2002 FY02: $0 Total: $317,184
Prin. Invest.: M Z JACOBSON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8714 STANFORD UNIV 1976
VARIATIONS OF THE SOLAR MAGNETIC FIELDS
08/03/1999 - 02/28/2003 FY02: $0 Total: $70,500
Prin. Invest.: P H SCHERRER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8802 STANFORD UNIV 1977
"ORION: A LOW-COST DEMONSTRATION OF FORMATION FLYING"
12/16/1999 - 07/31/2001 FY02: $0 Total: $654,512
Prin. Invest.: R BYER
Tech. Officer: GSFC/J O BRISTOW
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8866 STANFORD UNIV 1978
A COUPLED ICE-OCEAN MODEL OF MESOSCALE PHYSICAL/ BIOLOGICAL INTERACTIONS IN THE ROSS SEA
12/08/1999 - 12/31/2001 FY02: $0 Total: $169,598
Prin. Invest.: K ARRIGO
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8878 STANFORD UNIV 1979
SOLAR OSCILLATIONS INVESTIGATION-MISSION OBSERVATI ONS AND DATA ANALYSIS - CONTINUATION OF NAG5-3077
01/04/2000 - 06/30/2001 FY02: $0 Total: $4,499,996
Prin. Invest.: P SCHERRER
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9040 STANFORD UNIV 1980
VALIDATION & IMPROVEMENT OF SRTM PERFORMANCE OVER RUGGED TERRAIN.
02/10/2000 - 02/14/2003 FY02: $0 Total: $100,000
Prin. Invest.: H A ZEBKER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9087 STANFORD UNIV 1981
SUPERCONDUCTING WIDE-BAND FAST SPECTROPHOTOMETERS
02/17/2000 - 06/30/2002 FY02: $0 Total: $621,440
Prin. Invest.: B CABRERA
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9494 STANFORD UNIV 1982
UPLINK MICRO-RADIO INSTRUMENT DEVELOPMENT
04/18/2000 - 04/30/2004 FY02: $0 Total: $147,682
Prin. Invest.: L TYLER
Tech. Officer: GSFC/B BETTS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9556 STANFORD UNIV 1983
RESEARCH INTO RADIO OCCULTATION METHODS FOR STUDY OF PLANETARY ATMOSPHERES
05/04/2000 - 04/30/2003 FY02: $0 Total: $150,000
Prin. Invest.: G TYLER
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9737 STANFORD UNIV 1984
DISTRIBUTED SPACE SYSTEM TECHNOLOGY DEMONSTRATIONS WITH THE EMERALD NANOSATELLITE
06/22/2000 - 06/30/2002 FY02: $0 Total: $130,000
Prin. Invest.: DEBRA
Tech. Officer: GSFC/K LUU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9760 STANFORD UNIV 1985
MEASURING HUMAN IMPACTS ON BIODIVERSITY & CARRYING CAPACITY OF ECO-SYSTEMS: COMBINING REMOTELY-SENSE
06/29/2000 - 08/31/2003 FY02: $0 Total: $102,105
Prin. Invest.: P EHRLICH
Tech. Officer: GSFC/M L IMHOFF
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9784 STANFORD UNIV 1986
STRUCTURE OF SOLAR VELOCITY AND MAGNETIC FIELDS
07/06/2000 - 06/30/2003 FY02: $0 Total: $169,744
Prin. Invest.: P T SCHERER
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9842 STANFORD UNIV 1987
COMPOSITION, PALEOENVIRONMENTAL DISTRIBUTION, AND PALEOECOLOGY OF ARCHEAN BACTERIAL COMMUNITIE
07/31/2000 - 07/31/2003 FY02: $0 Total: $171,673
Prin. Invest.: D R LOWE
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9853 STANFORD UNIV 1988
ANTARCTIC ICE SHEET PENETRATION DEPTHS, GRAIN SIZE & ACCUMULATION RATES FROM INSAR & SAR ANALYSIS OF
07/31/2000 - 03/31/2003 FY02: $45,813 Total: $130,645
Prin. Invest.: H ZEBKER
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9887 STANFORD UNIV 1989
CHEMICAL AND ISOTOPIC SYSTEMATICS OF EARLY SOLAR SYSTEM PRECURSORS & PRODUCTS
08/21/2000 - 08/31/2001 FY02: $0 Total: $42,000
Prin. Invest.: T IRELAND
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10483 STANFORD UNIV 1990
SOLAR OSCILLATIONS INVESTIGATION - MICHELSON DOPPLER IMAGER FOR THE SOHO SOLAR MAXIUMUM MISSION
03/05/2001 - 03/14/2003 FY02: $0 Total: $2,242,239
Prin. Invest.: P H SCHERRER
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10519 STANFORD UNIV 1991
THE 15TH NATIONAL CONFERENCE OF THE BLACK PHYSICS STUDENTS
03/09/2001 - 03/14/2002 FY02: $0 Total: $84,800
Prin. Invest.: B CABRERA
Tech. Officer: GSFC/D MENCHAN
CASE Category: 13 – PHYSICS

NAG 5 10534 STANFORD UNIV 1992
MONITORING & MODELING LAND-USE CHANGE: INTERGRA TING REMOTE SENSING WITH SOCIOECONOMIC DRIVERS
03/12/2001 - 02/28/2004 FY02: $0 Total: $115,238
Prin. Invest.: K SETO
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10544 STANFORD UNIV 1993
UNDERSTANDING ORGANICS IN METEORITES & THE PRE-BIO TIC ENVIRONMENT
03/09/2001 - 07/31/2004 FY02: $0 Total: $45,000
Prin. Invest.: R ZARE
Tech. Officer: GSFC/J M BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10576 STANFORD UNIV 1994
INFERENCE OF SURFACE PROPERTIES FROM MARS GLOBAL SURVEYOR 3.6 CM WAVELENGTH OBLIQUE SCATTERING
03/21/2001 - 02/28/2004 FY02: $0 Total: $50,000
Prin. Invest.: G TYLER
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10719 STANFORD UNIV 1995
ORION: A LOW-COST DEMONSTRATION OF FORMATION FLYING
04/24/2001 - 10/31/2002 FY02: $0 Total: $298,830
Prin. Invest.: R L BYER
Tech. Officer: GSFC/S P HUGHES
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 10799 STANFORD UNIV 1996
CONCEPT STUDY FOR THE ″SATELLITE TEST OF THE EQUIV ALENCE PRINCIPLE″ (STEP) MISSION AO-99-OSS-0
05/01/2001 - 05/31/2002 FY02: $0 Total: $285,990
Prin. Invest.: C EVERITT
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 10976 STANFORD UNIV 1997
INVESTIGATION OF HELIOSEISMIC WAVES AND MAGNETIC VARIATIONS ASSOCIATED WITH SOLAR FLARES
05/29/2001 - 05/31/2002 FY02: $0 Total: $27,684
Prin. Invest.: V PETROSIAN
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11264 STANFORD UNIV 1998
MODELLING CHANGE IN THE SOUTHERN OCEAN: BIOCHEMIS TRY OF CARBON UPTAKE AND EXPORT IN THE ROSS SEA,
08/31/2001 - 09/30/2004 FY02: $0 Total: $80,683
Prin. Invest.: K ARRIGO
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11439 STANFORD UNIV 1999
DEVELOPMENT OF TRANSITION-EDGE SENSOR ARRAYS FOR I R/VISIBLE/UV IMAGING APPLICATIONS
12/05/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: B CABRERA
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11573 STANFORD UNIV 2000
CONTINUED SCIENTIFIC ANALYSIS OF SEPS DATA DURING CY 2002, 2003 & 2004
01/07/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: M WALT
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11821 STANFORD UNIV 2001
PRECIPITATION OF ENERGETIC RADIATION BELT ELECTRON S BY LIGHTNING- GENERATED WHISTLERS
03/01/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: U S INAN
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11918 STANFORD UNIV 2002
STUDIES OF PARTICLE ACCELERATION, TRANSPORT AND RADIATION IN THE IMPULSIVE PHASE OF SOLAR FLARES
04/03/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: V PETROSIAN
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11955 STANFORD UNIV 2003
DESIGNS FOR A VIRTUAL SOLAR OBSERVATORY
04/11/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: P H SCHERRER
Tech. Officer: GSFC/J GURMAN
CASE Category: 11 – ASTRONOMY

NAG 5 11972 STANFORD UNIV 2004
HIGH RESOLUTION X-RAY PROPERTIES OF BL LACS: AN XM M SURVEY
04/26/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: G MADEJSKI
Tech. Officer: GSFC/R MUTSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 12111 STANFORD UNIV 2005
SPATIAL AND SPECTRAL STRUCTURE OF FLARES FROM HESS I
04/29/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: V PETROSIAN
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 12315 STANFORD UNIV 2006
DEVELOPMENT OF VETO FOR CONSTELLATION-X TES X-RAY DETECTOR ARRAY
07/17/2002 - 06/30/2004 FY02: $0 Total: $0
Prin. Invest.: B CABRERA
Tech. Officer: GSFC/C K STAHLE
CASE Category: 13 – PHYSICS

NAG 5 12452 STANFORD UNIV 2007
HELIOTOMOGRAPHY TOOLS FOR STUDYING INTERIOR SOURCE S OF SOLAR ACTIVITY
08/15/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: P H SCHERRER
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1151 STANFORD UNIV 2008
LASER SCATTERING TEMOGRAPHY
08/18/1995 - 04/30/2001 FY02: $0 Total: $730,000
Prin. Invest.: R S FEIGELSON
Tech. Officer: MSFC/D A REISS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1431 STANFORD UNIV 2009
R/S HIGH RESOLUTION STUDY OF THE CRITICAL REGION OF OXYGEN USING MAGNETIC LEVITATION
03/05/1998 - 01/31/2003 FY02: $0 Total: $432,455
Prin. Invest.: J A LIPA
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1439 STANFORD UNIV 2010
R/S FUNDAMENTAL PHYSICS EXPERIMENTS WITH SUPER- CONDUCTING CAVITY-STABILIZED OSCILLATORS ON SPACE
02/01/1998 - 01/31/2003 FY02: $0 Total: $827,542
Prin. Invest.: J A LIPA
Tech. Officer: MSFC/J W POE
CASE Category: 13 – PHYSICS

NAG 8 1457 STANFORD UNIV 2011
R/S INVESTIGATION OF THE CRYSTAL GROWTH OF DIELECTRIC MATERIALS BY THE BRIDGMAN TECHNIQUE
02/01/1998 - 04/30/2002 FY02: $0 Total: $484,450
Prin. Invest.: R S FEIGELSON
Tech. Officer: MSFC/C TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1692 STANFORD UNIV 2012
"SOLID STATE ELECTROCHEMICAL OXYGEN CONVERSITON FOR MARTIAN & LUNAR ENVIRONMENTS..."
06/02/2000 - 07/09/2002 FY02: $0 Total: $100,000
Prin. Invest.: G M HOMSY
Tech. Officer: MSFC/P DOTY
CASE Category: 12 – CHEMISTRY

NAG 8 1772 STANFORD UNIV 2013
THE EFFECTS OF LARGE-SCALE ONE-DIMENSIONAL CONFINEMENT ON THE SPECIFIC HEAT OF HELIUM...
05/04/2001 - 04/30/2003 FY02: $0 Total: $150,000
Prin. Invest.: J A LIPA
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1777 STANFORD UNIV 2014
TEST OF FUNDAMENTAL PHYSICS THROUGH STUDIES OF SUPERFLUID HELIUM THREE
04/27/2001 - 09/30/2005 FY02: $0 Total: $100,000
Prin. Invest.: D D OSHEROFF
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1843 STANFORD UNIV 2015
PRODUCTION AND IN-FLIGHT REGENERATION OF ACTIVE BIOLOGICAL MEMBRANES
10/04/2001 - 11/30/2004 FY02: $135,000 Total: $135,000
Prin. Invest.: C FRANK, G G FULLER, J R SWARTZ
Tech. Officer: MSFC/B GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1864 STANFORD UNIV 2016
STUDY OF BIOCHEMICAL PROCESSES AT THE SINGULAR MOLECULAR LEVEL
05/01/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: S CHU
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAS 1 00104 STANFORD UNIV 2017
AWARD CONTRACT RESULTING FROM NRA-99-OES-07
05/25/2000 - 05/24/2003 FY02: $0 Total: $520,922
Prin. Invest.: R L BYER
Tech. Officer: LARC/F PERI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 98139 STANFORD UNIV 2018
SAL: SYMBOLIC ANALYSIS LABORATORY
10/30/1998 - 10/29/2001 FY02: $0 Total: $575,251
Prin. Invest.: D L DILL
Tech. Officer: LARC/P S MINER
CASE Category: 22 – COMPUTER SCIENCE

NAS 5 00147 STANFORD UNIV 2019
GAMMA RAY LARGE AREA SPACE TELESCOPE (GLAST)
05/03/2000 - 03/31/2006 FY02: $250,000 Total: $2,296,552
Prin. Invest.: P MICHELSON
Tech. Officer: GSFC/S LAMBROSS
CASE Category: 11 – ASTRONOMY

NAS 8 39225 STANFORD UNIV 2020
GRAVITY PROBE B SCIENCE MISSION INTERIM CONTRACT
01/18/1995 - 09/30/2004 FY02: $0 Total: $321,212,206
Prin. Invest.: C W EVERITT, B PARKINSON
Tech. Officer: MSFC/R S GEVEDEN, MSFC/B RANDOLPH
CASE Category: 13 – PHYSICS

NCC 2 721 STANFORD UNIV 2021
THE STRUCTURE, FACIES & DEPOSITION OF SILICEOUS S INTER AROUND THERMAL SPRINGS: IMPLICATIONS FOR...
07/03/1991 - 12/31/2001 FY02: $0 Total: $539,229
Prin. Invest.: D R LOWE
Tech. Officer: ARC/D J DES MARAIS, ARC/S CHANG
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 2 908 STANFORD UNIV 2022
STUDIES OF PLANETARY RING SYSTEMS
06/26/1995 - 05/31/2002 FY02: $0 Total: $839,827
Prin. Invest.: A L TYLER, M R SHOWALTER
Tech. Officer: ARC/J N CUZZI
CASE Category: 11 – ASTRONOMY

NCC 2 1010 STANFORD UNIV 2023
DECELOPMENT OF 3-D BIOMEDICAL COMPUTATION
01/07/1998 - 05/31/2003 FY02: $0 Total: $3,586,724
Prin. Invest.: S A SCHENDEL
Tech. Officer: ARC/J W HINES, ARC/R D BOYLE
CASE Category: 56 – MEDICL

NCC 2 1151 STANFORD UNIV 2024
CENTER FOR TURBULENCE RESEARCH
01/07/2000 - 01/31/2003 FY02: $0 Total: $2,570,000
Prin. Invest.: P MOIN
Tech. Officer: ARC/N N MANSOUR, ARC/M M ROGER
CASE Category: 46 – MECHANICAL ENGR

NCC 2 1154 STANFORD UNIV 2025
MULTIPLE COOPERATING ROBOTS
01/20/2000 - 06/30/2003 FY02: $0 Total: $569,999
Prin. Invest.: S ROCK
Tech. Officer: ARC/M G BUALAT
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1175 STANFORD UNIV 2026
THE DEVELOPMENT OF A SOLID WASTE TREATMENT TECHNOL OGY FOR THE NEAR TERM HUMAN EXPLORATION OF MARS
04/27/2000 - 09/30/2002 FY02: $0 Total: $228,710
Prin. Invest.: M REINHARD
Tech. Officer: ARC/M T FLYNN
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 2 1208 STANFORD UNIV 2027
DOES MECHANICAL STIMULATION ALTER GENE EXPRESION I N C.ELEGANS
11/24/2000 - 11/14/2002 FY02: $0 Total: $40,000
Prin. Invest.: S K KIM
Tech. Officer: ARC/C A CONLEY, ARC/E M HOLTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 1300 STANFORD UNIV 2028
HIGH REGRESSION RATE FUELS FOR HYBRID COMBUSTION
01/29/2002 - 01/14/2003 FY02: $0 Total: $0
Prin. Invest.: B J CANTWELL
Tech. Officer: ARC/G ZILLAC
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 2 1345 STANFORD UNIV 2029
STUDIES OF PLANETARY RING SYSTEMS
06/05/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: G L TYLER
Tech. Officer: ARC/J CUZZI, ARC/J LISSAUER
CASE Category: 11 – ASTRONOMY

NCC 2 5261 STANFORD UNIV 2030
INVESTIGATION OF ATTENTIONAL BOTTLENECKS USING FUN CTIONAL MAGNETIC RESONANCE IMAGING
06/17/1998 - 02/28/2001 FY02: $0 Total: $76,258
Prin. Invest.: J E GABRIELI
Tech. Officer: ARC/R W REMINGTON, ARC/J C JOHNSTON
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NCC 2 5270 STANFORD UNIV 2031
EXPLORING CARBON NANOTUBES FOR FUTURE 1NM NANOOLIT HOGRAPHY
06/12/1998 - 05/31/2001 FY02: $0 Total: $70,000
Prin. Invest.: H DAI
Tech. Officer: ARC/T R GOVINDAN
CASE Category: 12 – CHEMISTRY

NCC 2 5278 STANFORD UNIV 2032
ARCHITECTURE FOR ACCESS & MUNIPULATION OF HETEROGE NEOUS INFORMATION
07/16/1998 - 03/31/2002 FY02: $0 Total: $190,000
Prin. Invest.: H GARCIA-MOLINA
Tech. Officer: ARC/M GERALD-YAMASAKI
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5335 STANFORD UNIV 2033
SHARP SOUNDING ROCKET EMPERIMENT & ENTRY SIMULATIO N
07/23/1999 - 12/31/2000 FY02: $0 Total: $122,275
Prin. Invest.: B CANTWELL, R TWIGGS
Tech. Officer: ARC/P KOLODZIEJ, ARC/D J RASKY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5350 STANFORD UNIV 2034
SIMULATION-BASED PROTOYPING OF SOLID-STATE QUANTUM COMPUTERS
09/15/1999 - 03/31/2001 FY02: $0 Total: $60,000
Prin. Invest.: K CHO
Tech. Officer: ARC/T R GOVINDAN
CASE Category: 13 – PHYSICS

NCC 2 5359 STANFORD UNIV 2035
INVESTIGATON OF CONVOLUTION SEGMENT PAIR DYADS IN BACTERIAL GENOMES
10/26/1999 - 10/14/2001 FY02: $0 Total: $115,500
Prin. Invest.: R B LAUGHLIN
Tech. Officer: ARC/M L FONDA
CASE Category: 13 – PHYSICS

NCC 2 5363 STANFORD UNIV 2036
DEVELOPMENT OF FUNDAMENTAL TECHNOLOGIES FOR FLUID FLOW CALCULATIONS
01/25/2000 - 03/31/2002 FY02: $0 Total: $187,415
Prin. Invest.: T HUGHES
Tech. Officer: ARC/T J BARTH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 5371 **STANFORD UNIV** **2037**
FABRICATION OF SILICON SUBTRATES FOR CONTROLLED SY NTHESISI OF CARBON NANOTUBES
03/23/2000 - 02/28/2001 FY02: $0 Total: $45,050
Prin. Invest.: Z SHEN
Tech. Officer: ARC/M MEYYAPPAN
CASE Category: 13 – PHYSICS

NCC 2 5377 **STANFORD UNIV** **2038**
DEVELOPMENT AND APPLICATION OF NOVEL DIAGNOSTICS FOR ARC-JET CHARACTERIZATION
04/03/2000 - 09/30/2002 FY02: $0 Total: $189,896
Prin. Invest.: R K HANSON
Tech. Officer: ARC/G A RAICHE, ARC/J H GRINSTEAD
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5400 **STANFORD UNIV** **2039**
SIMULATION-BASED DESIGN OF SMART NANOTUBE COMPOSIT E MATERIALS
09/25/2000 - 09/30/2002 FY02: $0 Total: $81,549
Prin. Invest.: K J CHO
Tech. Officer: ARC/H PARTIDGE, ARC/M MEYYAPPAN
CASE Category: 12 – CHEMISTRY

NCC 2 5422 **STANFORD UNIV** **2040**
DESIGN OF PREDICTIVE MODELS OF NAS
03/09/2001 - 02/28/2003 FY02: $0 Total: $45,000
Prin. Invest.: C TOMLIN
Tech. Officer: ARC/G MEYER, ARC/R BACH
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 5434 **STANFORD UNIV** **2041**
NONINVASIVE INVESTIGATION OF BONE ADAPTATION IN HU MANS TO CUMLATIVE DAILY MECHANICAL LOADING
04/26/2001 - 04/30/2003 FY02: $0 Total: $61,145
Prin. Invest.: N J PELC
Tech. Officer: ARC/R T WHALEN, ARC/S B ARNAUD
CASE Category: 56 – MEDICL

NCC 2 5439 **STANFORD UNIV** **2042**
SIMULATION BASED PROTOTYPED OF SOLID-STATE QUANTUM COMPUTERS: A PATHWAY FOR REVOLUTIONARY COMPUTING
07/17/2001 - 07/31/2002 FY02: $0 Total: $42,719
Prin. Invest.: K CHO
Tech. Officer: ARC/H PATRIDGE, ARC/T R GORINDAN
CASE Category: 13 – PHYSICS

NCC 2 5444 **STANFORD UNIV** **2043**
THREE DIMENSIONAL NUMERICAL SIMULATION OF NASA STU DIED MFD-BYPASS SCRAMJET ENGINES
07/12/2001 - 05/31/2003 FY02: $0 Total: $35,000
Prin. Invest.: R W MACCORMICK
Tech. Officer: ARC/U B MANTA
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5446 **STANFORD UNIV** **2044**
FABRICATION OF SILICON SUBSTRATES FOR CONTOLLED SY NTHESIS OF CARBON NANOTUBES
07/16/2001 - 05/14/2003 FY02: $0 Total: $49,120
Prin. Invest.: Z X SHEN
Tech. Officer: ARC/H PATRIDGE, ARC/M MEYYAPPAN
CASE Category: 12 – CHEMISTRY

NCC 2 5457 **STANFORD UNIV** **2045**
DEVELOPMENT OF FUNDAMENTAL TECHNOLOGIES FOR COMPLE X MULTISCALE FLUID FLOW CALCULATIONS
08/17/2001 - 08/14/2002 FY02: $0 Total: $50,000
Prin. Invest.: T J HUGHES
Tech. Officer: ARC/N MANSOUR, ARC/T BARTH
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5467 **STANFORD UNIV** **2046**
MOLECULAR DYNAMICS ON MASSIVELY PARALLEL COMPUTERS : TOWARDS BIOLOGICAL TIME SCALES
09/28/2001 - 09/30/2003 FY02: $0 Total: $60,133
Prin. Invest.: E F DARVE
Tech. Officer: ARC/N N MANSOUR
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5475 **STANFORD UNIV** **2047**
COMPUTATIONAL TECHNIQUES IN MULTIDIMENSIONAL NMR M ETHOD FOR HIGH-THROUGHPUT DETECTION OF METABOLITE
11/19/2001 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: R B LAUGHLIN
Tech. Officer: ARC/S LIANG
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5478 **STANFORD UNIV** **2048**
MARS EXPLORATION ROVER (MER) WORK PRACTICE SUPPORT TOOL DESIGN
01/31/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: L J LEIFER
Tech. Officer: ARC/J TRIMBLE
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5488 **STANFORD UNIV** **2049**
NANOPORE SEQUENCING SOFTWRAE DEVELOPMENT
03/22/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: R W DAVIS
Tech. Officer: ARC/H PARTRIDGE, ARC/M MEYYAPPAN
CASE Category: 12 – CHEMISTRY

NCC 2 5489 **STANFORD UNIV** **2050**
BREAST TISSUE PYHSIOLOGIC SIGNATURE CHARACTERIZATI ON USING THE NASA SMART PROBE
07/11/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: S S JEFFREY
Tech. Officer: ARC/R MAH, ARC/R PAPASIN
CASE Category: 56 – MEDICL

NCC 2 5495 **STANFORD UNIV** **2051**
COLLECTIVE CONTROL FOR AERONAUTICAL SYSTEMS
06/06/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: I KROO
Tech. Officer: ARC/K TURNER, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5497 **STANFORD UNIV** **2052**
FUNCTIONALITY AND EVOLUTIONARY HISTORY OF THE CHAP ERONINS IN THERMOPHILIC ARCHAEA A BIOINFORMATICAL
06/21/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: S KARLIN
Tech. Officer: ARC/J TRENT, ARC/M H KLISS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5502 **STANFORD UNIV** **2053**
HIGH PERFORMANCE SCALABLE PARALLEL CODE FOR MOLECU ALR SIMULATION IN ASTROBIOLOGY AND FUNDAMENTAL BI
07/17/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: E F DARVE
Tech. Officer: ARC/N MANSOUR, ARC/A WRAY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5522 **STANFORD UNIV** **2054**
DIODE LASER SENSORS FOR ARC JET CHARACTERIZATION
09/10/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: R K HANSON
Tech. Officer: ARC/G RAICHE
CASE Category: 46 – MECHANICAL ENGR

NCC 3 640 **STANFORD UNIV** **2055**
ATTENUATION OF GAS TURBULENCE BY A NEARIT STATIONA RY DISPERSION OF FINE PARTICLES
08/18/1998 - 12/31/2002 FY02: $0 Total: $375,000
Prin. Invest.: J K EATON
Tech. Officer: GRC/F CHARIMONTE
CASE Category: 46 – MECHANICAL ENGR

NCC 8 197 **STANFORD UNIV** **2056**
ACTIVE SENSING MONITORING OF CRYOGENIC COMPOSITE STRUCTURES FOR SPACE TRANSPORTATION APPLICATIONS.
03/09/2000 - 03/05/2002 FY02: $0 Total: $290,000
Prin. Invest.: F CHANG
Tech. Officer: MSFC/A KELLEY
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 1 02021 **STANFORD UNIV** **2057**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
07/24/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: R TWIGGS, F J LI
Tech. Officer: LARC/R BRAUN
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 2 52246 **STANFORD UNIV** **2058**
ADVANCED LIFE SUPPORT POWER REDUCTION
08/20/1998 - 09/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: B LUSIGNAN
Tech. Officer: ARC/R T WHALEN
CASE Category: 59 – LIFE SCIENCE, OTHER

NGT 2 52267 **STANFORD UNIV** **2059**
AN ALTERNATIVE TO PNEUMATIC CONTROL TECHNIQUES FOR ROLL-YAW CONTROL OF FLIGHT VEHICLES
07/28/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: S M ROCK
Tech. Officer: ARC/R D MEHTA, ARC/J C ROSS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 2 52282 **STANFORD UNIV** **2060**
VESTIBULO-OCULAR REFLEXES IN NORMAL AND OTOCONIA-D EFICIENT HEAD TILT (HET) MICE
08/09/2001 - 07/31/2002 FY02: $0 Total: $21,000
Prin. Invest.: J RAYMOND
Tech. Officer: ARC/R D BOYLE, ARC/T INTRAVAIA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 92 **STANFORD UNIV** **2061**
RADIO DIAGNOSTICS OF AURORAL HISS AND ASSOCIATED PLASMA DENSITY STRUCTURES/STUDENT: MARIA SALVATI
06/09/1999 - 09/14/2002 FY02: $0 Total: $66,000
Prin. Invest.: U UMRAN
Tech. Officer: GSFC/M S BURRELL
CASE Category: 45 – ELECTRICAL ENGR

NGT 5 30204 **STANFORD UNIV** **2062**
LAND-USE CHANGE, AGRICULTURAL RUNOFF, & GREENHOUSE GASES IN TWO ESTUARIES OF SOUTHERN SONORA MEXICO
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: P MATSON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30216 **STANFORD UNIV** **2063**
PHYSIO-CHEMICAL AND BIOLOGICAL CONTROL OVER THE FA TE OF NITROGEN AND PHOSPHORUS IN TROPICAL SOIL
08/24/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: P M VITOUSEK
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30342 **STANFORD UNIV** **2064**
HYDROLIC APPLICATIONS OF SATELLITE RADAR INTERFERO METRY: LAND SUBSIDENCE OVER EXPLOITED AQUIFER SYS
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: H ZEBKER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30360 **STANFORD UNIV** **2065**
THE COCCIDIOIDES IMMITS FUNGUS: EXPOSURE MODELING & PUBLIC POLICY THROUGH FAVORED SOIL HABITAT
08/23/2000 - 08/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: G W ERNST
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30392 **STANFORD UNIV** **2066**
RESOLVING THE RED SEA PARADOX: INTERANNUAL TO DEC ADAL VARIABILITY IN PRIMARY PRODUCTION AND CORA
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: K ARRIGO
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50254 **STANFORD UNIV** **2067**
MULTI-SPECTRAL OBSERVATIONS OF THE SOLAR CORONA, CHROMOSPHERE AND TRANSITION REGION
06/10/1999 - 06/30/2003 FY02: $0 Total: $66,000
Prin. Invest.: A B WALKER, JR.
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50351 **STANFORD UNIV** **2068**
NONLINEAR BEAM-PLASMA COUPLING OF THUNDERSTORM- GENERATED RELATIVISTIC ELECTRONS TO THE MAGNETOSPH
05/10/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: U S INAN
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50358 STANFORD UNIV 2069
IP INFRASTRUCTURE FOR DISTRIBUTED SPACE SYSTEMS
05/14/2001 - 05/14/2004 FY02: $0 Total: $22,000
Prin. Invest.: A FOX
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 5191 THE SCRIPPS REASERCH INST (TSRI) -LA JOLLA 2070
SATELLITE REMOTE SENSING STUDIES OF BIOLOGICAL AND BIO-GEOCHEMICAL PROCESSES IN THE OCEAN
04/21/1998 - 03/31/2001 FY02: $0 Total: $38,852
Prin. Invest.: M VERNET
Tech. Officer: GSFC/F E HOGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9386 THE SCRIPPS REASERCH INST (TSRI) -LA JOLLA 2071
EVOLUTION OF CATALYIC RNA IN THE LABORATORY
04/07/2000 - 03/31/2003 FY02: $0 Total: $560,461
Prin. Invest.: G JOYCE
Tech. Officer: HQ/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9604 THE SCRIPPS REASERCH INST (TSRI) -LA JOLLA 2072
A REGIONAL REAL-TIME, INTERACTIVE, GIS-BASED COMPU TATIONAL ENVIRONMENT FOR NASA'S DIRECT BROADCAST
05/31/2000 - 05/31/2003 FY02: $0 Total: $450,000
Prin. Invest.: J J SIMPSON
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12160 THE SCRIPPS REASERCH INST (TSRI) -LA JOLLA 2073
THE USE OF INSOLU BLE AGGREGATES IN TEMPLATE LIGAT ION
05/10/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: M GHADIRI
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1834 THE SCRIPPS REASERCH INST (TSRI) -LA JOLLA 2074
CRYSTALLIZATION OF INTEGRAL MEMBRANE PROTEINS US ING MOLECU-LAR BIOLOGY
09/19/2001 - 11/30/2004 FY02: $0 Total: $52,000
Prin. Invest.: G A CHANG
Tech. Officer: MSFC/B GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 1055 THE SCRIPPS REASERCH INST (TSRI) -LA JOLLA 2075
SELF-REPRODUCING MOLECULAR SYSTEMS & DARINIAN CHEM ISTRY
08/27/1998 - 06/30/2003 FY02: $0 Total: $3,263,033
Prin. Invest.: R GHADIRI
Tech. Officer: ARC/L J CAROFF, ARC/S CHANG
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 11944 UNIV. OF CALIFORNIA 2076
PROPOSAL FOR OPERATION OF THE EFW INSTRUMENTS ON T HE CLUSTER SATELLITES AND FOR DATA ANALYSES
04/08/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: F S MOZER
Tech. Officer: GSFC/M GOLDSTEIN
CASE Category: 11 – ASTRONOMY

NAG 1 2191 UNIV OF CALIFORNIA - BERKELEY 2077
MODELG ISOTOPE FRACTIONATION IN STRATOSP C02/N20/ CH4&03,INVEST STRATOS CHEM/TRANSPORT, STRAT/TROPOS
05/17/1999 - 03/30/2003 FY02: $0 Total: $282,801
Prin. Invest.: K A BOERING
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02083 UNIV OF CALIFORNIA - BERKELEY 2078
MODELG ISOTOPE FRACTIONIATION IN STRATOSP CO2/N2O/ CH4&03: INVEST STRATOS CHEM/TRANSPORT,STRAT/TROPO
04/09/2002 - 04/08/2003 FY02: $0 Total: $0
Prin. Invest.: K A BOERING
Tech. Officer: LARC/G L MADDREA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1351 UNIV OF CALIFORNIA - BERKELEY 2079
EARLY GRAVITROPIC EVENTS IN ROOTS OF ARABIDOPSIS: CA2+ & H+ FLUXES IN THE COLUMELLA CELLS
07/21/1999 - 07/31/2003 FY02: $0 Total: $346,437
Prin. Invest.: L J FELDMAN
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1359 UNIV OF CALIFORNIA - BERKELEY 2080
COMPARATIVE ANALYSIS OF SEGMENTATION, DURING EMBRY OGENESIS, POSTEMBRYONIC GROWTH & REGENERATION, AM
07/23/1999 - 07/31/2003 FY02: $0 Total: $458,243
Prin. Invest.: D A WEISBLAT
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1361 UNIV OF CALIFORNIA - BERKELEY 2081
HEMICHORDATES & THE ORIGIN OF CHORDATES
07/27/1999 - 08/31/2002 FY02: $0 Total: $446,868
Prin. Invest.: J C GERHART
Tech. Officer: ARC/M M AVERNER, ARC/G C JAHNS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1398 UNIV OF CALIFORNIA - BERKELEY 2082
SUPERCONDUCTING BOLOMETERS OF INFRAREDA AND MILLIM ETER WAVELENGTHS
03/16/2000 - 03/14/2003 FY02: $0 Total: $155,000
Prin. Invest.: P L RICHARDS
Tech. Officer: ARC/C MCCREIGHT
CASE Category: 13 – PHYSICS

NAG 2 1479 UNIV OF CALIFORNIA - BERKELEY 2083
DETERMINISTRIC & PROBABILISTIC HYBRID CONTROL OF A TM
05/01/2001 - 04/30/2003 FY02: $0 Total: $40,000
Prin. Invest.: S S SASTRY
Tech. Officer: ARC/G MEYER, ARC/M J BONDI
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1483 UNIV OF CALIFORNIA - BERKELEY 2084
STABLE ISOTOPE MEASUREMENTS OF CO2 & NO2 FOR SOLVE : CON-STRAINTS ON OBSERVED OZONE CHANGES DUE TO CH
06/04/2001 - 09/30/2002 FY02: $0 Total: $25,000
Prin. Invest.: K A BOERING
Tech. Officer: ARC/R S HIPSKIN, ARC/C SCOFIELD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1523 UNIV OF CALIFORNIA - BERKELEY 2085
BIOGEOCHEMICAL MARS-LIKE ENVIRONMENTS (BIOMES)
09/17/2001 - 08/31/2003 FY02: $0 Total: $250,000
Prin. Invest.: J F BANFIELD
Tech. Officer: ARC/R GRYMES, ARC/W DOLCI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1567 UNIV OF CALIFORNIA - BERKELEY 2086
FROM LOW LEVEL PROTOCOLS TO MODELS OF THE NATIONAL AIRSPACE SYSTEM A HYBRID SYSTEMS APPROACH
06/14/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: S S SASTRY, E A LEE
Tech. Officer: ARC/L TOBIAS, ARC/C QUINN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2026 UNIV OF CALIFORNIA - BERKELEY 2087
A FUNDAMENTAL STUDY OF SMOLDERING COMBUSTION IN MI CROGRAVITY
03/14/1997 - 09/15/2002 FY02: $0 Total: $680,526
Prin. Invest.: A C FERNANDEZ-PELLO
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2103 UNIV OF CALIFORNIA - BERKELEY 2088
LOW EMISSION, HIGH PERFORMANCE GAS TURBINE ENGINES EXPERIMENT AND MODEL RESEARCH AND DEVELOPMENT
03/04/1998 - 05/31/2002 FY02: $0 Total: $386,026
Prin. Invest.: R DIBBLE
Tech. Officer: GRC/R R TACINA, GRC/N S LIU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2105 UNIV OF CALIFORNIA - BERKELEY 2089
MICROGRAVITY EFFECTS ON NEAR - BUBBLE MICROSCALE T RANSPORT DURING BOILING OF BINARY FLUID MIXTURES
02/26/1998 - 12/31/2001 FY02: $0 Total: $279,761
Prin. Invest.: V P CAREY
Tech. Officer: GRC/B J MOTIL
CASE Category: 13 – PHYSICS

NAG 3 2152 UNIV OF CALIFORNIA - BERKELEY 2090
WEAKLY NONLINEAR DESCRIPTION OF PARAMETRIC INSTABI LITIES
06/09/1998 - 12/31/2002 FY02: $0 Total: $419,500
Prin. Invest.: E KNOBLOCK
Tech. Officer: GRC/J R SKARDA
CASE Category: 13 – PHYSICS

NAG 3 2221 UNIV OF CALIFORNIA - BERKELEY 2091
NUMERICAL STUDY OF BUOYANCY AND DIFFERENTIAL DIFFU SION EFFECTS ON THE STRUCTURE AND DYNAMICS OF TRI
12/29/1998 - 11/11/2001 FY02: $0 Total: $173,490
Prin. Invest.: J CHEN
Tech. Officer: GRC/K SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 696 UNIV OF CALIFORNIA - BERKELEY 2092
A PROPOSAL TO FLY THE EUV/FUV SPECTROMETER ON ORFEUS FOR ASTRO-SPAS I & II
12/18/1992 - 02/28/2001 FY02: $0 Total: $2,839,678
Prin. Invest.: M V HURWITZ
Tech. Officer: GSFC/W B JOHNSN
CASE Category: 13 – PHYSICS

NAG 5 3499 UNIV OF CALIFORNIA - BERKELEY 2093
COSMOLOGICAL STUDIES OF THE COSMIC MICROWAVE BACKG
11/27/1996 - 11/30/2001 FY02: $0 Total: $335,762
Prin. Invest.: M I DAVIS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3500 UNIV OF CALIFORNIA - BERKELEY 2094
ADDING THE MARS '96 GAMMA-RAY BURST EXPERIMENT TO RY NETWORK
11/27/1996 - 11/30/2001 FY02: $0 Total: $176,650
Prin. Invest.: K C HURLEY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3556 UNIV OF CALIFORNIA - BERKELEY 2095
A MULTI-WAVELENGTH STUDY OF A COMPLETE SAMPLE OF N
01/04/1997 - 12/14/2002 FY02: $0 Total: $636,000
Prin. Invest.: A V FILIPPENKO
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3596 UNIV OF CALIFORNIA - BERKELEY 2096
MISSION OPERATIONS AND DATA ANALYSIS FOR THE FAST AURORAL SNAPSHOT EXPLORER (FAST) MISSION
01/25/1997 - 05/31/2002 FY02: $0 Total: $11,913,500
Prin. Invest.: C W CARLSON
Tech. Officer: GSFC/R F PFAFF, JR.
CASE Category: 12 – CHEMISTRY

NAG 5 3913 UNIV OF CALIFORNIA - BERKELEY 2097
PHOTOCATHODE, MICROCHANNEL PLATE AND DELAY LINE TE D UV-VISIBLE DETECTOR SYSTEMS
02/21/1997 - 06/14/2001 FY02: $0 Total: $785,100
Prin. Invest.: D H SIEGMUND
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 3941 UNIV OF CALIFORNIA - BERKELEY 2098
DEVELOPMENT OF DATA ANALYSIS, COMPRESSION AND VISU LARGE DATA SETS IN ASTROPHYSICS AND COSMOLOGY
03/03/1997 - 02/28/2001 FY02: $0 Total: $423,000
Prin. Invest.: G SMOOT
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 4194 UNIV OF CALIFORNIA - BERKELEY 2099
SILICON DIFFRACTION GRATINGS FOR ULTRAVIOLET APPLI
03/25/1997 - 03/31/2003 FY02: $0 Total: $468,848
Prin. Invest.: D V HURWITZ
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 4992 UNIV OF CALIFORNIA - BERKELEY 2100
HISTORICAL STUDIES ON EXTRATERRESTRIAL MATERIALS
06/27/1997 - 12/31/2002 FY02: $0 Total: $832,000
Prin. Invest.: D NISHIIZUMI
Tech. Officer: GSFC/J F BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 5102 UNIV OF CALIFORNIA - BERKELEY 2101
ASTROPHYSICAL GAMMA-RAY SPECTROSCOPY WITH THE HIGH RESOLUTION GAMMA-RAY (HIREGS)
02/11/1997 - 10/31/2000 FY02: $0 Total: $1,492,600
Prin. Invest.: R W LIN
Tech. Officer: GSFC/H C NEEDLEMAN, GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5146 UNIV OF CALIFORNIA - BERKELEY 2102
DEVELOPMENT OF GAS MICROSTRUCTURE DETECTORS (GMSD) FOR GAMMA-RAY TELESCOPES
07/02/1997 - 07/02/2001 FY02: $0 Total: $248,130
Prin. Invest.: C HAILEY
Tech. Officer: GSFC/H NEEDLEMAN
CASE Category: 13 – PHYSICS

NAG 5 5197 UNIV OF CALIFORNIA - BERKELEY 2103
PECASE PROGRAM FUNDING FOR THE FIRST YEAR OF RESEARCH; SELECTED
05/21/1998 - 05/31/2001 FY02: $0 Total: $100,000
Prin. Invest.: M V HURWITZ
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5213 UNIV OF CALIFORNIA - BERKELEY 2104
FUNDING FOR PHASE A OF THE CHIPS PROJECT P. I. - DR. M HURWITZ
10/08/1998 - 10/31/2003 FY02: $933,979 Total: $9,711,787
Prin. Invest.: M HURWITZ
Tech. Officer: GSFC/D PIERCE
CASE Category: 13 – PHYSICS

NAG 5 5231 UNIV OF CALIFORNIA - BERKELEY 2105
TECHNOLOGY DEVELOPMENT FOR THE EXTREMELY-HEAVY GALACTIC COSMIC-RAY COMPOSITIONOBSERVER (ECC0)
05/17/1999 - 11/30/2003 FY02: $0 Total: $719,900
Prin. Invest.: A J WESTPHAL
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5285 UNIV OF CALIFORNIA - BERKELEY 2106
DEVELOPMENT OF GERMANIUM DETECTORS WITH LESS THAN 3D SPATIAL RESOLUTION FOR NUCLEAR GAMMA-RAY ASTRO
06/12/2000 - 09/30/2002 FY02: $0 Total: $373,500
Prin. Invest.: R P LIN
Tech. Officer: WFF/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5312 UNIV OF CALIFORNIA - BERKELEY 2107
SOUNDING ROCKET EXPERIMENT TO EXPLORE ELECTRODYNAMICS COUPLING PULSATIONS IN THE CUSP
02/06/2001 - 02/05/2003 FY02: $0 Total: $42,000
Prin. Invest.: G T DELORY
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5350 UNIV OF CALIFORNIA - BERKELEY 2108
THE NUCLEAR COMPTON TELESCOPE A BALLOON-BORNE GAMM A-RAY SPECTROMETER, POLARIMETER, & IMAGER
01/16/2002 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: S BOGGS
Tech. Officer: GSFC/B MERRIT
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 5355 UNIV OF CALIFORNIA - BERKELEY 2109
SPEAR-RESEARCH CARRIER: SPECTROSCOPY OF PLASMA EVO LUTION FROM ASTROPHYSICAL RADIATION
02/05/2002 - 02/03/2005 FY02: $0 Total: $0
Prin. Invest.: J EDELSTEIN
Tech. Officer: GSFC/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6103 UNIV OF CALIFORNIA - BERKELEY 2110
NEW DIRECTIONS IN COMETARY SPECTROSCOPY
07/24/1997 - 07/31/2001 FY02: $0 Total: $83,000
Prin. Invest.: D SPINRAD
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 6551 UNIV OF CALIFORNIA - BERKELEY 2111
ORIGIN AND EVOLUTION OF WHITE DWARF STARS: THE EAR LY YEARS (LTSA)
11/21/1997 - 11/30/2001 FY02: $0 Total: $389,900
Prin. Invest.: S VENNES
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6552 UNIV OF CALIFORNIA - BERKELEY 2112
FOREGROUND ANALYSIS & REMOVAL FOR FUTURE CMB EXPER IMENTS (LTSA)
11/21/1997 - 11/30/2002 FY02: $0 Total: $426,800
Prin. Invest.: G F SMOOT
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 6748 UNIV OF CALIFORNIA - BERKELEY 2113
DETERMINATION OF THE PROPERTIES OF HE IN THE LOCAL INTERSTELLAR MEDIUM FROM THE EUVE ALL-SKY SURVE
01/12/1998 - 12/31/2000 FY02: $0 Total: $65,555
Prin. Invest.: B FLYNN
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6890 UNIV OF CALIFORNIA - BERKELEY 2114
VLA MONITORING OF JUPITER IN 3-D AT =6-90CM: 1981 - 1996
01/21/1998 - 12/31/2002 FY02: $0 Total: $190,439
Prin. Invest.: I DE PATER
Tech. Officer: GSFC/J HILLMAN
CASE Category: 11 – ASTRONOMY

NAG 5 6928 UNIV OF CALIFORNIA - BERKELEY 2115
ANALYSIS OF DATA FROM THE 3-D PLASMA AND ENERGETIC PARTICLE EXPERIMENT ON THE GGS WIND SPACECRAFT
02/04/1998 - 01/31/2002 FY02: $0 Total: $2,408,000
Prin. Invest.: R P LIN
Tech. Officer: GSFC/K OBILVIE
CASE Category: 13 – PHYSICS

NAG 5 6932 UNIV OF CALIFORNIA - BERKELEY 2116
GRANT
01/29/1998 - 01/31/2001 FY02: -$3 Total: $86,997
Prin. Invest.: C W CARLSON
Tech. Officer: GSFC/M HESSE
CASE Category: 13 – PHYSICS

NAG 5 7265 UNIV OF CALIFORNIA - BERKELEY 2117
GALACTIC BLACK HOLES AND POSITRON ANNIHILATION RAD IATION
04/29/1998 - 11/30/2002 FY02: $0 Total: $102,000
Prin. Invest.: D M SMITH
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7457 UNIV OF CALIFORNIA - BERKELEY 2118
CARBON IN THE UNIVERSE: PAHS AND CLUSTERS
09/18/1998 - 06/30/2001 FY02: $0 Total: $335,940
Prin. Invest.: R SAYKALLY
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7580 UNIV OF CALIFORNIA - BERKELEY 2119
"SEISMIC HAZARD ASSESSMENT OF THE HAYWARD FAULT, C A, FROM GPS AND INSAR MEASUREMENT" (SE
08/04/1998 - 07/31/2002 FY02: $0 Total: $224,000
Prin. Invest.: R BURGMANN
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7615 UNIV OF CALIFORNIA - BERKELEY 2120
ADVANCE THE STATE OF THE ART IN MICROCHANNEL PLATE TECHNOLOGY TO SIGNIFICANTLY IMPROVE DETEC
08/24/1998 - 08/31/2002 FY02: $0 Total: $265,206
Prin. Invest.: D SIEGMUND
Tech. Officer: GSFC/F S HERRERO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7755 UNIV OF CALIFORNIA - BERKELEY 2121
DIRECT IMMERSION PROCESS FOR MCP PERFORMANCE IMPRO VEMENTS
12/08/1998 - 12/31/2002 FY02: $0 Total: $293,258
Prin. Invest.: D EDELSTEIN
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 7833 UNIV OF CALIFORNIA - BERKELEY 2122
STUDIES OF DUST EMISSION AS MEASURED BY DIRBE AND IRAS ADP 98
12/14/1998 - 12/14/2001 FY02: $0 Total: $234,369
Prin. Invest.: M DAVIS
Tech. Officer: GSFC/R K OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 7936 UNIV OF CALIFORNIA - BERKELEY 2123
PROBING THE MORPHOLOGY, DYNAMICS AND INTERFACES OF THE INTERSTELLAR MEDIUM (LTSA 98)
12/23/1998 - 12/31/2002 FY02: $0 Total: $230,000
Prin. Invest.: M COHEN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7951 UNIV OF CALIFORNIA - BERKELEY 2124
CMES AND SOLAR MAGNETIC FIELD EVOLUTION: A SOHO G I PROPOSAL
12/21/1998 - 12/31/2001 FY02: $0 Total: $248,800
Prin. Invest.: J G LUHMANN
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 8078 UNIV OF CALIFORNIA - BERKELEY 2125
016LYSIS OF DAT FROM ELECTRIC FIELD EXPERIMENT ON POLAR 11
01/22/1999 - 04/30/2002 FY02: $0 Total: $1,422,500
Prin. Invest.: F MOZER
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8098 UNIV OF CALIFORNIA - BERKELEY 2126
THE MAGNETIC FIELDS OF T TAURI STARS
02/04/1999 - 02/14/2003 FY02: $0 Total: $115,000
Prin. Invest.: G H FISHER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8468 UNIV OF CALIFORNIA - BERKELEY 2127
THE PHYSICS OF ACTIVE REGIONS
05/04/1999 - 04/30/2002 FY02: $0 Total: $293,850
Prin. Invest.: G H FISHER
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 8510 UNIV OF CALIFORNIA - BERKELEY 2128
EVALUATING MODEL PREDICTIONS OF CO2 & WATER VAPOR EXCHANGE WITH FLUX MEASUREMENTS IN A PONDEROSA
06/02/1999 - 06/30/2001 FY02: $0 Total: $84,090
Prin. Invest.: D BALDOCCHI
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8667 UNIV OF CALIFORNIA - BERKELEY 2129
AN ADVANCED PHOTON COUNTING UV IMAGING DETECTOR
07/08/1999 - 07/14/2002 FY02: $0 Total: $299,600
Prin. Invest.: O H SIEGMUND
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 11 – ASTRONOMY

NAG 5 8737 UNIV OF CALIFORNIA - BERKELEY 2130
THE ROLE OF MULTI-SCALE LAND SURFACE HETEROLGENEIT Y IN PRECIPITATION RECYCLING AND LAND ATMOSPHE
08/17/1999 - 08/14/2002 FY02: $0 Total: $120,000
Prin. Invest.: X LIANG
Tech. Officer: GSFC/P T HOUSER
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 8753 UNIV OF CALIFORNIA - BERKELEY 2131
FLUXNET: UNIFYING A GLOBAL ARRAY OF TOWER FLUX NE TWORKS FOR VALIDATING EOS TERRESTRIAL CARBON, WAT
08/12/1999 - 04/30/2002 FY02: $0 Total: $552,574
Prin. Invest.: D BALDOCCHI
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8861 UNIV OF CALIFORNIA - BERKELEY 2132
DETECTING EXTRASOLAR PLANETS
10/07/1999 - 06/30/2002 FY02: $0 Total: $466,247
Prin. Invest.: D W MARCY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8984 UNIV OF CALIFORNIA - BERKELEY 2133
CORONAL HEATING DURING STELLAR FLARES & THE SEARCH FOR PROTON BEAMS - FUSE
02/03/2000 - 01/31/2002 FY02: $0 Total: $63,300
Prin. Invest.: G H FISHER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9091 UNIV OF CALIFORNIA - BERKELEY 2134
RESEARCH IN FUV INTERFEROMETERIC SPECTROSCOPY III
02/17/2000 - 02/14/2003 FY02: $0 Total: $294,200
Prin. Invest.: J EDELSTEIN
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9115 UNIV OF CALIFORNIA - BERKELEY 2135
PHASE-A AND BRIDGE PHASE STUDY OF STEREO/WAVES ACCOMODATION
03/02/2000 - 12/31/2002 FY02: $0 Total: $191,725
Prin. Invest.: S BALE
Tech. Officer: GSFC/M L KAISER
CASE Category: 11 – ASTRONOMY

NAG 5 9130 UNIV OF CALIFORNIA - BERKELEY 2136
CORONAL STRUCTURE IN THE RS CVN BINARY AR LACERTAE ADP99
02/28/2000 - 02/28/2002 FY02: $0 Total: $35,000
Prin. Invest.: O H SIEGMUND
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9149 UNIV OF CALIFORNIA - BERKELEY 2137
ADVANCED MCP UV VISIBLE DETECTOR SYSTEMS
03/03/2000 - 03/14/2003 FY02: $0 Total: $250,000
Prin. Invest.: O SIEGMUND
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9210 UNIV OF CALIFORNIA - BERKELEY 2138
SWIFT PHASE B AND C/D
03/10/2000 - 08/14/2003 FY02: $0 Total: $135,000
Prin. Invest.: K HURLEY
Tech. Officer: GSFC/N GEHRELS
CASE Category: 11 – ASTRONOMY

NAG 5 9231 UNIV OF CALIFORNIA - BERKELEY 2139
DEVELOPMENT OF A LONG-TERM INVENTORY OF FIRE BURNE D AREAS & EMISSIONS OF NORTH AMERICA'S BOREAL AN
03/22/2000 - 04/30/2003 FY02: $0 Total: $113,749
Prin. Invest.: P GONG
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9305 UNIV OF CALIFORNIA - BERKELEY 2140
DATA CALIBRATION AND SCIENTIFIC DEFINITION OF THE NEAR, LUNAR PROSPECTORAND MGS MAGNETOMETERS
03/20/2000 - 02/28/2003 FY02: $0 Total: $65,641
Prin. Invest.: R LIN
Tech. Officer: GSFC/M H ACUNA
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 9317 UNIV OF CALIFORNIA - BERKELEY 2141
ENHANCEMENT OF THE GLOBAL SYSTEMS SCIENCE STUDENT GUIDE SERIES FOR THE DIGITAL EARTH INITIATIVE
03/22/2000 - 03/31/2003 FY02: $0 Total: $219,956
Prin. Invest.: A GOULD
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9384 UNIV OF CALIFORNIA - BERKELEY 2142
MOLECULAR CARBON IN THE GALAXY
04/04/2000 - 03/31/2003 FY02: $0 Total: $310,720
Prin. Invest.: R J SAYKALLY
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 13 – PHYSICS

NAG 5 9398 UNIV OF CALIFORNIA - BERKELEY 2143
BALLOON BORNE OBSERVATIONS OF THE POLARIZATION ANI SOTROPY OF THE COSMIC MICROWAVE BACKGROUND RADIAT
04/06/2000 - 03/31/2003 FY02: $0 Total: $336,178
Prin. Invest.: P L RICHARDS
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 9503 UNIV OF CALIFORNIA - BERKELEY 2144
ADDING NEAR TO THE 3RD INTERPLANETARY NETWORK OF GAMMA-RAY BURST DETECTORS
04/24/2000 - 04/30/2001 FY02: $0 Total: $65,000
Prin. Invest.: K C HURLEY
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9514 UNIV OF CALIFORNIA - BERKELEY 2145
BIOSPHERE-ATMOSPHERE INTERACTIONS
04/25/2000 - 04/30/2003 FY02: $0 Total: $516,667
Prin. Invest.: I FUNG
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9523 UNIV OF CALIFORNIA - BERKELEY 2146
QTHE FEASABILITY OF DETECTING ELECTRIC FIELDS ON THE MARS 03 PROMISE ELEELECTRICAL SUBPACKAGE
07/31/2000 - 07/31/2001 FY02: $0 Total: $27,000
Prin. Invest.: G T DELORY
Tech. Officer: GSFC/W M FARRELL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9626 UNIV OF CALIFORNIA - BERKELEY 2147
NEW SOLAR MAX GRANT STUDIES OF GEOTAIL ELECTRIC FIELDS & PLASMA FIELDS
05/22/2000 - 09/30/2001 FY02: $0 Total: $95,034
Prin. Invest.: F MOZER
Tech. Officer: GSFC/D FAIRFIELD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9629 UNIV OF CALIFORNIA - BERKELEY 2148
CASSANDRA: A STORM BASED MODEL FOR FORECASTING THE INITIATION & RUNOUT OF DEBRIS FLOWS
05/30/2000 - 05/31/2003 FY02: $0 Total: $100,000
Prin. Invest.: W E DIETRICH
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9650 UNIV OF CALIFORNIA - BERKELEY 2149
NEW ISTP SOLAR MAX GRANT: DUAL SPACECRAFT OBSERVA TIONS OF DAYSIDE RECONNECTION
05/30/2000 - 05/31/2002 FY02: $0 Total: $70,000
Prin. Invest.: C CARLSON
Tech. Officer: GSFC/M ACUNA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9864 UNIV OF CALIFORNIA - BERKELEY 2150
GEOLOGICAL ANALYSIS OF MARTIAN CRUSTAL MAGNETIC AMOMALIES
08/25/2000 - 08/14/2003 FY02: $0 Total: $21,653
Prin. Invest.: M RICHARDS
Tech. Officer: GSFC/P TAYLOR
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9975 UNIV OF CALIFORNIA - BERKELEY 2151
CLUSTER ELECTRIC FIELD DATA ANALYSIS
09/14/2000 - 03/31/2002 FY02: $0 Total: $783,773
Prin. Invest.: F MOZER
Tech. Officer: GSFC/M GOLDSTEIN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10131 UNIV OF CALIFORNIA - BERKELEY 2152
CLUSTER ION COMPOSITION (CIS) EXPERIMENT
12/27/2000 - 12/31/2003 FY02: $0 Total: $850,000
Prin. Invest.: G K PARKS
Tech. Officer: GSFC/M GOLDSTEIN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10300 UNIV OF CALIFORNIA - BERKELEY 2153
ELECTRON DYNAMICS IS SHOCK RAMPS
01/30/2001 - 01/14/2003 FY02: $0 Total: $73,800
Prin. Invest.: L MUSCHIETTI
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10314 UNIV OF CALIFORNIA - BERKELEY 2154
THE SCIENCE EDUCATION GATEWAY II
02/01/2001 - 01/31/2004 FY02: $0 Total: $150,000
Prin. Invest.: I HAWKINS
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10393 UNIV OF CALIFORNIA - BERKELEY 2155
A SEARCH FOR TRACE ELEMENTS IN ULTRAMASSIVE WHITE DWARF PHOTOSPHERES (FUSE 00)
02/12/2001 - 12/31/2001 FY02: $0 Total: $39,800
Prin. Invest.: J DUPIUS
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10411 UNIV OF CALIFORNIA - BERKELEY 2156
DEVELOPMENT OF CALORIMETRIC AEROGEL FOR CAPTURE OF INTER-PLANETARY & INTERSTELLAR GRAINS IN LOW EARTH
04/10/2001 - 04/15/2002 FY02: $0 Total: $52,500
Prin. Invest.: A WESTPHAL
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 10428 UNIV OF CALIFORNIA - BERKELEY 2157
3-D PLASMA AND ENERGETIC PARTICLES INVESTIGATION O N THE WIND SPACECRAFT
02/23/2001 - 02/28/2003 FY02: $0 Total: $788,000
Prin. Invest.: R P LIN
Tech. Officer: GSFC/K OGILVIE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10433 UNIV OF CALIFORNIA - BERKELEY 2158
CHONDRITIC METEORITES AND PLANETESMIALS
02/16/2001 - 01/31/2002 FY02: $0 Total: $25,000
Prin. Invest.: F SHU
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10466 UNIV OF CALIFORNIA - BERKELEY 2159
UVI DATA ANALYSIS
03/08/2001 - 03/14/2003 FY02: $0 Total: $448,000
Prin. Invest.: G PARKS
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10471 UNIV OF CALIFORNIA - BERKELEY 2160
DUAL-SPACECRAFT INVESTIGATION OF SUBSTANTIAL SOLAR WIND PLASMA ENTRY ACROSS THE TAIL FLANK MAGENTOPA
02/27/2001 - 02/28/2004 FY02: $0 Total: $76,500
Prin. Invest.: T PHAN
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 10657 UNIV OF CALIFORNIA - BERKELEY 2161
THE STRUCTURE AND SYNAMICS OF GIANT HERBIG-HARO FLOWS
03/20/2001 - 03/31/2003 FY02: $0 Total: $35,000
Prin. Invest.: W WELCH
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10664 UNIV OF CALIFORNIA - BERKELEY 2162
NUMERICAL SIMULATION OF 3D COMPACT EDDIES IN A PRO TOPLANETARY ACCRETION DISK;THEIR ROBUSTNESS AND
03/21/2001 - 02/28/2004 FY02: $0 Total: $50,000
Prin. Invest.: P MARCUS
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10673 UNIV OF CALIFORNIA - BERKELEY 2163
ESTIMATING SOIL MOISTURE CHANGES USING RADARSAT & IT'S APPLICA-TION IN HYDROLOGICAL MODELING
03/27/2001 - 03/14/2003 FY02: $0 Total: $57,988
Prin. Invest.: X LIANG
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10710 UNIV OF CALIFORNIA - BERKELEY 2164
BEPPOSAX GRBS (ADP 2000)
04/23/2001 - 04/30/2002 FY02: $0 Total: $33,880
Prin. Invest.: K C HURLEY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10713 UNIV OF CALIFORNIA - BERKELEY 2165
ADVANCED ADIABATIC DEMAGNETIZATION REFRIGERATORS FOR CON-TINUOUS COOLING FROM 10K TO 50MK
04/20/2001 - 04/30/2004 FY02: $0 Total: $57,190
Prin. Invest.: P L RICHARDS
Tech. Officer: GSFC/P J SHIRRON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10715 UNIV OF CALIFORNIA - BERKELEY 2166
MATADOR IDPU & DCE TESTS
04/12/2001 - 03/14/2003 FY02: $0 Total: $124,000
Prin. Invest.: D T DELORY
Tech. Officer: GSFC/W M FARREL
CASE Category: 13 – PHYSICS

NAG 5 10800 UNIV OF CALIFORNIA - BERKELEY 2167
CONCEPT STUDY FOR THE "STUDY OF GALACTIC PLASMA EVOLUTION WITH SPEAR" (SPEAR) MISSION AO-99-OSS-0
04/30/2001 - 04/30/2002 FY02: $0 Total: $251,179
Prin. Invest.: D EDELSTEIN
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 10803 UNIV OF CALIFORNIA - BERKELEY 2168
CONCEPT STUDY FOR THE "THE HEAVY NUCLEI EXPLORER" (HNX) MISSION AO-99-OSS-05
04/30/2001 - 04/30/2002 FY02: $0 Total: $57,700
Prin. Invest.: D WESTPHAL
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 10839 UNIV OF CALIFORNIA - BERKELEY 2169
3-D MHD TURBULENT DYNAMOS (ATP 2000)
05/10/2001 - 06/30/2004 FY02: $0 Total: $80,000
Prin. Invest.: G H FISHER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10851 UNIV OF CALIFORNIA - BERKELEY 2170
CONTINUING THE CHALLENGE OF EUV ASTRONOMY: CURRENT ANALYSIS AND PROSPECTS FOR THE FUTURE
04/30/2001 - 04/30/2002 FY02: $0 Total: $30,003
Prin. Invest.: J DUPUIS
Tech. Officer: GSFC/D GOLOMBEK
CASE Category: 11 – ASTRONOMY

NAG 5 10866 UNIV OF CALIFORNIA - BERKELEY 2171
ENRICHMENTS OF 3HE IN PLANETARY NEBULAE
05/08/2001 - 05/14/2003 FY02: $0 Total: $24,000
Prin. Invest.: I ROTH
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10925 UNIV OF CALIFORNIA - BERKELEY 2172
CORONAL MODELS AND APPLICATIONS FOR LWS
05/11/2001 - 05/14/2004 FY02: $0 Total: $80,534
Prin. Invest.: J G LUHMANN
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11055 UNIV OF CALIFORNIA - BERKELEY 2173
EFFECT OF IMF BY COPMPONENT ON THERMOSPHERIC COMPOSITION
06/18/2001 - 06/30/2004 FY02: $0 Total: $100,399
Prin. Invest.: T IMMEL
Tech. Officer: GSFC/M MELLOTT
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11179 UNIV OF CALIFORNIA - BERKELEY 2174
ORIGINS OF RECENT EROSIONAL FEATURES ON MARS: QUAN TITATIVE ANALYSIS OF MOC AND MOLA DATA, PHYSICAL
08/14/2001 - 08/14/2004 FY02: $0 Total: $55,000
Prin. Invest.: W DIETRICH
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11200 UNIV OF CALIFORNIA - BERKELEY 2175
INFERENCES OF REGIONAL CARBON EXCHANGE PROCESSES & THEIR VARIABILITY SINCE1980
08/10/2001 - 08/14/2004 FY02: $0 Total: $287,077
Prin. Invest.: I FUNG
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11333 UNIV OF CALIFORNIA - BERKELEY 2176
X-RAY SPECTROSCOPY OF LOW-LUMINOSITY ACTIVE GALACT IC NUCLEI WITH XMM
10/26/2001 - 08/31/2003 FY02: $5,102 Total: $5,102
Prin. Invest.: E QUATAERT
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11394 UNIV OF CALIFORNIA - BERKELEY 2177
HIGH RESOLUTION CROSS-STRIP DETECTOR READ-OUT TECH NOLOGIES FOR SPACE ASTROPHYSICS APPLICATIONS
12/03/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: O H SIEGMUND
Tech. Officer: GSFC/P CRANE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11416 UNIV OF CALIFORNIA - BERKELEY 2178
MO&DA OF THE ULTRA-VIOLET IMAGING (UVI) EXPERIMENT FOR THE POLAR EXTENDED MISSION.
01/15/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: G PARKS
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11422 UNIV OF CALIFORNIA - BERKELEY 2179
SQUID READOUT MULTIPLEXER FOR SUPERCONDUCTING TES BOLOM-ETER ARRAYS
12/03/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: A LEE
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11451 UNIV OF CALIFORNIA - BERKELEY 2180
ADDING HETE-II AND '01 MARS ODYSSEY TO THE IPN
12/27/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: K C HURLEY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11651 UNIV OF CALIFORNIA - BERKELEY 2181
FLUXNET, A GLOBAL NETWORK OF CARBON, WATER AND ENE RGY FLUX MEASUREMENT SITES
01/28/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: D BALDOCCHI
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11689 UNIV OF CALIFORNIA - BERKELEY 2182
MULTI-EPOCH XMM OBSERVATIONS OF NGC4258
02/13/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: A V FILIPPENKO
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11733 UNIV OF CALIFORNIA - BERKELEY 2183
ANALYSIS OF DATA FROM THE ELECTRIC FIELD EXPERIMEN T ON THE POLAR SATELLITE.
02/25/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: F MOZER
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11769 UNIV OF CALIFORNIA - BERKELEY 2184
CHARTING PLANET FORMATION WITH DIRECT IMAGING AND STELLAR KINEMATICS
02/26/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: P KALAS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11781 UNIV OF CALIFORNIA - BERKELEY 2185
ELECTRIC FIELD SENSORS FOR PLANETARY SUBSURFACE SO UNDING
02/26/2002 - 02/29/2004 FY02: $0 Total: $0
Prin. Invest.: G DELORY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11804 UNIV OF CALIFORNIA - BERKELEY 2186
3D PLASMA AND ENERGETIC PARTICLES INVESTIGATION ON THE WIND SPACECRAFT; OPERATIONS AND DATA ANALYSIS
03/27/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: R LIN
Tech. Officer: GSFC/K OGILVIE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11901 UNIV OF CALIFORNIA - BERKELEY 2187
ADVANCED HIGH-SENSITIVE-COSMOGENIC NUCLIDE MEASURE MENTS FOR SAMPLE RETURN
04/04/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: K NISHIIZUMI
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11902 UNIV OF CALIFORNIA - BERKELEY 2188
ROBUST EXTRACTION AND SUBSEQUENT HANDLING OF HYPER VELOCITY GRAINS CAPTURED IN AEROGEL COLLECT
04/04/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: A J WESTPHAL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11910 UNIV OF CALIFORNIA - BERKELEY 2189
AN ISOTOPIC APPROACH FOR DETERMINING THE INDUSTRIA L FRACTION OF TOTALCH3BR SOURCE TO THE A
04/19/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: A GOLDSTEIN
Tech. Officer: GSFC/M KURYLO
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NAG 5 11914 UNIV OF CALIFORNIA - BERKELEY 2190
THE PHYSICS OF ACTIVE REGIONS
03/21/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: G H FISFHER
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11987 UNIV OF CALIFORNIA - BERKELEY 2191
CLUSTER-II/GEOTAIL INVESTIGATION OF THE LARGE-SCAL E NATURE OF RECONNECTION
04/18/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: T PHAN
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12004 UNIV OF CALIFORNIA - BERKELEY 2192
CORRELATIVE STUDIES OF IONS AND FIELDS MEASURED BY THE CLUS-TER SPACECRAFT
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: J P MCFADDEN
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12031 UNIV OF CALIFORNIA - BERKELEY 2193
FORMATION AND COLLIMATION OF PULSAR WINDS
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: J ARONS
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12039 UNIV OF CALIFORNIA - BERKELEY 2194
A SURVEY OF THE SPATIAL, TEMPORAL, AND STATISTICAL PROPERTIES OF HIGH-ALTITUDEAURORAL ZONE ELECTRIC
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: J BONNELL
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12042 UNIV OF CALIFORNIA - BERKELEY 2195
THE FORMATION OF HIGH MASS STARS
04/17/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: R I KLEIN
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12043 UNIV OF CALIFORNIA - BERKELEY 2196
ACCRETION ONTO MASSIVE BLACK HOLES IN LOW-LUMINOSI TY GALAC-TIC NUCLEI
04/17/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: E QUATAERT
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12047 UNIV OF CALIFORNIA - BERKELEY 2197
ELECTRODYNAMIC COUPLING OF FAST MAGNETOTAIL FLOWS AND THE HIGH LATITUDE NIGHTSIDE IONOSPHERE
04/17/2002 - 08/30/2002 FY02: $0 Total: $0
Prin. Invest.: V ANGELOPOULOS
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12062 UNIV OF CALIFORNIA - BERKELEY 2198
THERMAL RADIO MAPS OF JUPITER
04/18/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: I DEPATER
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12090 UNIV OF CALIFORNIA - BERKELEY 2199
JUPITER ANALOGS AND ROCKY PLANETS: TOWARD 1M/S PRE CISION
05/02/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: G W MARCY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12167 UNIV OF CALIFORNIA - BERKELEY 2200
CHONDRITIC METEORITES AND PLANETESIMALS
05/14/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: A GLASSGOLD
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12173 UNIV OF CALIFORNIA - BERKELEY 2201
THE FORMATION AND EVOLUTION OF DARK MATTER HALOS
05/15/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: C M MA
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12193 UNIV OF CALIFORNIA - BERKELEY 2202
MULTI-WAVELENGTH VISIBILITY OBSERVATIONS OF CIRCUM STELLER MATERIAL WITH THE KECK INTERFEROMETE
05/23/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: C TOWNES
Tech. Officer: GSFC/D DANCHI
CASE Category: 11 – ASTRONOMY

NAG 5 12232 UNIV OF CALIFORNIA - BERKELEY 2203
A FAR UV STUDY OF HV ATOMIC AND MOLECULAR GAS ASSO CIATED WITH THE EVOLVED SHAJN 147 SNR.
06/06/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: B Y WELSH
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12324 UNIV OF CALIFORNIA - BERKELEY 2204
THE HALO'S O VI INTENSITY (FUSE 01)
08/12/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: O W SIEGMUND
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12424 UNIV OF CALIFORNIA - BERKELEY 2205
INVESTIGATING OVI EMISSION IN THE ERIDANUS SUPER BUBBLE (FUSE 2001)
08/06/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: O W SIEGMUND
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12437 UNIV OF CALIFORNIA - BERKELEY 2206
THE SUNYAEV-ZEL'DOVICH EFFECT(S)
08/05/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: M WHITE
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12453 UNIV OF CALIFORNIA - BERKELEY 2207
MULTI-SPACECRAFT AND SIMULATION STUDY OF ENERGY TR ANSPORT BY ALFVEN WAVESIN THE HIGH-LATITUDE
08/15/2002 - 08/14/2004 FY02: $0 Total: $0
Prin. Invest.: C CHASTON
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12483 UNIV OF CALIFORNIA - BERKELEY 2208
A MULTISPACECRAFT INVESTIGATION OF SHOCK STRUCTURE AND UP-STREAM WAVES
08/26/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: S D BALE
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12541 UNIV OF CALIFORNIA - BERKELEY 2209
SUDDEN OAK DEATH IN CALIFORNIA: SPATIAL ANALYSIS F OR TESTING HYPOTHESES OF DISEASE SPREAD
08/29/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: N KELLY
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12590 UNIV OF CALIFORNIA - BERKELEY 2210
SCIENCE OPERATION AND DATA ANALYSIS FOR THE FAST A URORAL SNAPSHOT EXPLORER (FAST) MISSION.
09/20/2002 - 03/14/2004 FY02: $0 Total: $0
Prin. Invest.: D W CARLSON
Tech. Officer: GSFC/R PFAFF
CASE Category: 11 – ASTRONOMY

NAG 6 10 UNIV OF CALIFORNIA - BERKELEY 2211
SOUNDING ROCKET RESEARCH PROGRAM
11/01/1980 - 12/31/2001 FY02: $0 Total: $3,619,476
Prin. Invest.: C W CARLSON, F S MOZER, K A ANDERSON
Tech. Officer: GSFC/W B JOHNSON, GSFC/R H PLESS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1432 UNIV OF CALIFORNIA - BERKELEY 2212
R/S SUPERFLUID GYROSCOPES FOR SPACE
03/02/1998 - 01/31/2003 FY02: $0 Total: $405,750
Prin. Invest.: R E PACKARD
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1458 UNIV OF CALIFORNIA - BERKELEY 2213
R/S EXPLOITING THE TEMPERATURE DEPENDENCE OF MAGNETIC SUS-CEPTIBILITY TO CONTROL CONVECTION
02/15/1998 - 08/31/2002 FY02: $0 Total: $281,000
Prin. Invest.: J W EVANS, F SZOFRAN
Tech. Officer: MSFC/P M DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1051 UNIV OF CALIFORNIA - BERKELEY 2214
GENESIS DISCOVERY MISSION
08/19/1998 - 05/31/2004 FY02: $0 Total: $85,600
Prin. Invest.: K NISHIIZUMI
Tech. Officer: JSC/K E CYR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 1 99053 UNIV OF CALIFORNIA - BERKELEY 2215
NEXT GENERATION TECHNOLOGIES FOR THE IN SITU DETEC TION OF NOX RADICALS AND RESERVOIRS FROM AIRCRAFT
02/10/1999 - 02/09/2002 FY02: $0 Total: $762,187
Prin. Invest.: R COHEN
Tech. Officer: LARC/J HILL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 00133 UNIV OF CALIFORNIA - BERKELEY 2216
STEREO PHASE A CONCEPT STUDY FOR INSITU_POP5-22-00 MEASUREMENTS OF PARTICLES &CME TRANSIENTS(IMPACT
02/22/2000 - 11/30/2005 FY02: $493,000 Total: $2,198,985
Prin. Invest.: J LUHMAN, E STONE
Tech. Officer: GSFC/A HARPER
CASE Category: 13 – PHYSICS

NAS 5 02099 UNIV OF CALIFORNIA - BERKELEY 2217
TIME HISTORY OF EVENTS & MACROSCALE INTERACTIONS DURING SUBSTORMS (THEMIS) MISSION PHASE A EFFORT
06/25/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: V ANGELOPOULOS
Tech. Officer: GSFC/C SAVINELL
CASE Category: 11 – ASTRONOMY

NAS 5 98033 UNIV OF CALIFORNIA - BERKELEY 2218
PHASE A CONCEPT STUDY FOR HESSI INVESTIGATION
11/19/1997 - 10/19/2003 FY02: $576,786 Total: $43,523,000
Prin. Invest.: R P LIN
Tech. Officer: GSFC/F SNOW
CASE Category: 11 – ASTRONOMY

NAS 5 99242 UNIV OF CALIFORNIA - BERKELEY 2219
FAST FLIGHT OPERATIONS
10/01/1999 - 08/02/2003 FY02: $0 Total: $489,892
Prin. Invest.: C W CARLSON
Tech. Officer: GSFC/R PFAFF
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1125 UNIV OF CALIFORNIA - BERKELEY 2220
THE EXTRACTION OF POINT SOURCES FROM THE NIRS SPEC TROMETER ABOARD THE INFRARED TELESCOPE IN SPACE
06/14/1999 - 05/31/2003 FY02: $0 Total: $28,000
Prin. Invest.: M COHEN
Tech. Officer: ARC/D GOORVITCH
CASE Category: 11 – ASTRONOMY

NCC 2 1171 UNIV OF CALIFORNIA - BERKELEY 2221
3DOF HAPTIC SIMULATION AND PHYCHOPHYSICAL EXPERIME NTS
04/11/2000 - 11/30/2001 FY02: $0 Total: $120,000
Prin. Invest.: H KAZEROONI
Tech. Officer: ARC/S R ELLIS
CASE Category: 46 – MECHANICAL ENGR

NCC 2 1255 UNIV OF CALIFORNIA - BERKELEY 2222
2-DOF HAPTIC SIMULATION & PSYCHOPHYSICAL EXPERIMEN TS
05/03/2001 - 03/31/2003 FY02: $0 Total: $70,000
Prin. Invest.: H KAZEROONI
Tech. Officer: ARC/B ADELSTEIN, ARC/S R ELLIS
CASE Category: 46 – MECHANICAL ENGR

NCC 2 1347 UNIV OF CALIFORNIA - BERKELEY 2223
ENHANCED NANOMANIPULATION THROUGH HAPTIC AUGMENTAT ION
06/05/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: H KAZEROONI
Tech. Officer: ARC/B A ADELSTEIN, ARC/S ELLIS
CASE Category: 46 – MECHANICAL ENGR

NCC 2 5334 UNIV OF CALIFORNIA - BERKELEY 2224
A STUDY OF THE STATIC & DYNAMIC AERODYNAMICS CHARA CTERISTICS OF BLUNT PLANETARY PROBES
07/19/1999 - 06/30/2002 FY02: $0 Total: $80,000
Prin. Invest.: G T CHAPMAN, M BROWN, A RAMSEY
Tech. Officer: ARC/P F WERCINSKI, ARC/T C TAM
CASE Category: 41 – AERONAUTICALENGNR

NCC 2 5388 UNIV OF CALIFORNIA - BERKELEY 2225
TOW-TANK STUDIES OF HELICOPTER VORTEX WAKE
07/14/2000 - 09/30/2002 FY02: $0 Total: $65,000
Prin. Invest.: O SAVAS
Tech. Officer: ARC/F CARADONNA, ARC/C TUNG
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5416 UNIV OF CALIFORNIA - BERKELEY 2226
MASSIVE STAR FORMATION
01/26/2001 - 02/14/2003 FY02: $0 Total: $58,000
Prin. Invest.: C F MCKEE
Tech. Officer: ARC/D J HOLLENBACH, ARC/G LAUGHLIN
CASE Category: 11 – ASTRONOMY

NCC 2 5455 UNIV OF CALIFORNIA - BERKELEY 2227
LONG TERM EXTREMEM ENVIRONMENT AND MARS ANALOG STU DIES IN THE ATACAMA DESERT
08/09/2001 - 07/31/2003 FY02: $0 Total: $40,000
Prin. Invest.: R ADMUNDSON
Tech. Officer: ARC/C MCKAY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5461 UNIV OF CALIFORNIA - BERKELEY 2228
TOW-TANK STUDIES OF AIRCRAFT WAKE VORTEX INSTABILI ES
09/26/2001 - 10/31/2003 FY02: $0 Total: $30,000
Prin. Invest.: O SAVAS
Tech. Officer: ARC/D A DURSTON
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5492 UNIV OF CALIFORNIA - BERKELEY 2229
EVOLUTION OF GAS AND DUST IN PROTOPLANETARY DISKS
05/21/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: C F MCKEE
Tech. Officer: ARC/D HOLLENBACH, ARC/K R BELL
CASE Category: 11 – ASTRONOMY

NCC 2 5507 UNIV OF CALIFORNIA - BERKELEY 2230
MEASUREMENTS OF ROTOR FLOW FIELDS AND FORCES IN A WATER FACILITY AT LOW AND MODERATE REYNOLDS NUMBER
08/01/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: O SAVAS
Tech. Officer: ARC/F X CARADONNA
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 803 UNIV OF CALIFORNIA - BERKELEY 2231
FLAMMIBILITY DIAGRAMS OF COMBUSTIBLE MATERIALS IN MICROGRAVITY
05/31/2000 - 04/30/2004 FY02: $0 Total: $127,000
Prin. Invest.: D FERNANDEZ-PELLO
Tech. Officer: GRC/H D ROSS
CASE Category: 46 – MECHANICAL ENGR

NCC 3 833 UNIV OF CALIFORNIA - BERKELEY 2232
MICROGRAVITY PRODUCTION OF NANOPARTICLES OF NOVEL MATERIALS USING PLASMA SYBNTHESIS
12/13/2000 - 10/31/2004 FY02: $0 Total: $80,000
Prin. Invest.: M FRENKLACH
Tech. Officer: GRC/N D PILTCH
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 874 UNIV OF CALIFORNIA - BERKELEY 2233
TWO DIMENSIONAL SMOLDERING & ITS TRANSITON TO FLAM ING IN MICROGRAVITY
03/14/2001 - 11/30/2004 FY02: $0 Total: $120,000
Prin. Invest.: C F PELLO
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 896 UNIV OF CALIFORNIA - BERKELEY 2234
CARBON MONOXIDE AND SOOT FORMATION IN INVERSE DIFF USION FLAMES
06/06/2001 - 04/30/2003 FY02: $0 Total: $30,000
Prin. Invest.: C FERNANDEZ-PELLO
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 138 UNIV OF CALIFORNIA - BERKELEY 2235
EXTENDED EUVE MISSION
08/21/1996 - 10/01/2001 FY02: $0 Total: $8,784,582
Prin. Invest.: R MALINA
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NCC 5 253 UNIV OF CALIFORNIA - BERKELEY 2236
THE SUN-EARTH CONNECTION EDUCATION FORUM.
10/30/1997 - 11/14/2002 FY02: $0 Total: $3,844,651
Prin. Invest.: I HAWKINS
Tech. Officer: GSFC/J THIEMAN
CASE Category: 13 – PHYSICS

NCC 5 352 UNIV OF CALIFORNIA - BERKELEY 2237
SOIL BIOGEOCHEMISTRY OF CARBON, NUTRIENTS, & TRACE GASES IN THE AMAZON REGION OF BRAZIL: FIELD & MOD
07/28/1998 - 12/31/2002 FY02: $0 Total: $218,967
Prin. Invest.: W SILVER
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 492 UNIV OF CALIFORNIA - BERKELEY 2238
EO-1 & LANDSAT IMAGERY FOR MONITORING CALIFORNIA'S CONIFER FOREST & HARDWOOD RANGELAND
04/12/2000 - 09/30/2003 FY02: $2,500 Total: $128,222
Prin. Invest.: P GONG
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 2 52233 UNIV OF CALIFORNIA - BERKELEY 2239
CHARACTERICATION OF MICROBIAL DIVERISTY IN YELLOWS TONE FUMA-ROLES: THE SEARCH FOR PRIMITIVE LIFE IN.
08/26/1997 - 07/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: N R PACE
Tech. Officer: ARC/D J DES MARAIS
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NGT 2 52258 UNIV OF CALIFORNIA - BERKELEY 2240
HIGH-RESOLUTION GROUND-BASED MAPPING OF TITAN'S SU RFACE & HAZE LAYER
08/11/1999 - 07/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: I DEPATER
Tech. Officer: ARC/C P MCKAY
CASE Category: 11 – ASTRONOMY

NGT 2 52278 UNIV OF CALIFORNIA - BERKELEY 2241
COMPUTATIONAL INVESTIGATIONS OF MASSIVE STAR FORMA TION
06/19/2001 - 06/14/2003 FY02: $0 Total: $22,000
Prin. Invest.: C F MCKEE
Tech. Officer: ARC/D J HOLLENBACH
CASE Category: 11 – ASTRONOMY

NGT 2 52290 UNIV OF CALIFORNIA - BERKELEY 2242
C AND N CYCLING AS INDICATORS OF BIOLOGICAL THRESH OLDS IN THE ATACAMA DSERT CHILE
06/18/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: R G AMUNDSON
Tech. Officer: ARC/C MCKAY, ARC/B F SMITH
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 5 30110 UNIV OF CALIFORNIA - BERKELEY 2243
A STUDY OF MEV TERRESTRIAL X-RAY BURSTS
05/11/1998 - 07/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: R P LIN, MILLAN
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NGT 5 30141 UNIV OF CALIFORNIA - BERKELEY 2244
PHOSPHORUS CYCLING OF LAND USE GRADIENT ON TWO SOIL TEX-TURES IN A LOWLAND TROPICAL FOREST
08/27/1998 - 02/28/2002 FY02: $0 Total: $66,000
Prin. Invest.: W L SILVER, MCGRODDY
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30183 UNIV OF CALIFORNIA - BERKELEY 2245
MEASUREMENT & MODELING OF CARBON, WATER & ENERGY OVER A CALIFORNIA OAK SAVANNA: LINKING THE BIOPHYS
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: T L BENNING
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30219 UNIV OF CALIFORNIA - BERKELEY 2246
ATMOSPHERIC NO2: LASER-INDUCED FLUORESCENCE DETECT ION AT THE PART PER TRILLION LEVEL FROM AIRCRAFT
08/24/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: R C COHEN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NGT 5 30351 UNIV OF CALIFORNIA - BERKELEY 2247
THE IMPLICATIONS OF MICROBIAL DECOMPOSTION ON THE DISTRIBUTION OF STABLEC & N ISOTOPES IN TERRESTRIA
08/24/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: I CHAPELA
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30361 UNIV OF CALIFORNIA - BERKELEY 2248
INTEGRATING REMOTELY SENSED AFFORESTATION POTENTIA L WITH CREDIT TRADING & TECHNICAL LEARNING IN MOD
08/24/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: D M KAMMEN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30380 UNIV OF CALIFORNIA - BERKELEY 2249
THE GLOBAL IRON GEOCHEMICAL CYCLE: CHARACTERIZING AEOLIAN IRON SOURCES TO THEOCEAN AND THE EFFECT
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: D DE PAOLO
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NGT 5 30383 UNIV OF CALIFORNIA - BERKELEY 2250
GLOBAL TRENDS IN SOIL ORGANIC CARBON RESIDENCE TIME/JONATHAN SANDERMAN
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: R AMUNDSON
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30403 UNIV OF CALIFORNIA - BERKELEY 2251
ECOSYSTEM LEVEL IMPACTS OF CLIMATE WARMING & LOSS OF BIODIVERSITY IN MONTANE MEADOW HABITAT/STUDENT
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: J HARTE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30424 UNIV OF CALIFORNIA - BERKELEY 2252
ANOMALOUS FRACTIONATION OF TROPOSPHERIC CO2 AS A POTENTIAL TRACER OF BIOSPHEREPRODUCTIVITY
09/07/2001 - 09/14/2004 FY02: $0 Total: $22,000
Prin. Invest.: K BOERING
Tech. Officer: GSFC/_ WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30463 UNIV OF CALIFORNIA - BERKELEY 2253
INTERACTIONS OF IRON BIOGEOCHEMISTRY WITH NITROGRN CYCLING TIN TROPICAL FOREST_- STUDENT NAME: ERIC
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: M FIRESTONE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30473 UNIV OF CALIFORNIA - BERKELEY 2254
QUANTIFYING EVAPOTRANSPIRATION IN CALIFORNIA FORES T ECOSYSTEMS: REMOTE SENSING VS. FLUX MEASUREMEN
08/27/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: Y QUI
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50061 UNIV OF CALIFORNIA - BERKELEY 2255
ION OUTFLOW FROM THE AURORAL IONOSPHERE
08/04/1997 - 12/31/2000 FY02: -$22 Total: $65,978
Prin. Invest.: CHARLES
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 50188 UNIV OF CALIFORNIA - BERKELEY 2256
DIAMONDS IN GIANT PLANETS? EXPERIMENTS ON "PLANETA RY ICES" AT HIGH PRESSURES AND TEMPERATURES
05/27/1998 - 12/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: R JEANLOZ
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 13 – PHYSICS

NGT 5 50189 UNIV OF CALIFORNIA - BERKELEY 2257
DETERMINATION OF COSMOLOGICAL PARAMETERS THROUGH C OSMIC MICROWAVE BACKGROUND OBSERVATIONS WITH THE
05/27/1998 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: G SMOOT
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 13 – PHYSICS

NGT 5 50195 UNIV OF CALIFORNIA - BERKELEY 2258
BALLOON-BORNE OBSERVATIONS OF THE ANISOTROPY OF TH E COSMIC MICROWAVE BACKGROUND ON ANGULAR SCALES O
06/04/1998 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: P L RICHARDS
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 13 – PHYSICS

NGT 5 50196 UNIV OF CALIFORNIA - BERKELEY 2259
FRAGMENTATION IN COLLAPSING NON-ISOTHERMAL MOLECUL AR CLOUDS
06/04/1998 - 09/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: C F MCKEE
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 13 – PHYSICS

NGT 5 50216 UNIV OF CALIFORNIA - BERKELEY 2260
ABOVEGROUND AND BELOWGROUND PLANT SPECIES FUNCTION AL TRAITS AND THEIR RELATION TO ECOSYSTEM FUNCT
09/15/1998 - 08/31/2001 FY02: $0 Total: $58,667
Prin. Invest.: F S CHAPIN, 111
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50223 UNIV OF CALIFORNIA - BERKELEY 2261
REGIONAL CHANGES IN EXTREME EVENT FREQUENCIES WITH IN THE UNITED STATES (STUDENT: DIANA DERUBERTIS)
09/29/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: O E GRANGER, D DERUBERTIS
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50245 UNIV OF CALIFORNIA - BERKELEY 2262
INFRARED SPECTROSCOPY OF STAR FORMATION IN SUPER STAR CLUSTERS WITH KECK/NIRSPEC (STUDENT: ANDRE
06/02/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: J GRAHAM
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50253 UNIV OF CALIFORNIA - BERKELEY 2263
X-RAY SPECTROSCOPY OF EVOLVED SUPERNOVA REMNANTS
06/07/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: C F MCKEE
Tech. Officer: GSFC/L SMITH
CASE Category: 11 – ASTRONOMY

NGT 5 50331 UNIV OF CALIFORNIA - BERKELEY 2264
EFFECTS OF OXIC-ANOXIC DYNAMICS ON METHANE EFFLUX & STABLE ISOTOPE COMPOSITIONIN HUMID TROPICA
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: W SILVER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50338 UNIV OF CALIFORNIA - BERKELEY 2265
LUNAR MAGNETIC AND ELECTRIC FIELDS (STUDENT: JASPER HALEKAS)
05/04/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: R LIN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50342 UNIV OF CALIFORNIA - BERKELEY 2266
DETERMINATION OF EVOLUTIONARY PARAMETERS IN POPULA TIONS OF THERMOPHIC ARCHAEA/STUDENT: RACHEL WHITA
05/14/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: J TAYLOR
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50365 UNIV OF CALIFORNIA - BERKELEY 2267
AN ELECTRON EDM MEASUREMENT UTILIZING A SLOW-BEAM ATOMIC FOUNTAIN/STUDENT: JASON AMINI
06/12/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: S FREEDMAN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50393 UNIV OF CALIFORNIA - BERKELEY 2268
SUPPORT FOR RESEARCH ON THE NUCLEAR COMPTON TELE-SCOPE/STUDENT: SUSAN AMROSE
05/23/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: S BOGGS
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50424 UNIV OF CALIFORNIA - BERKELEY 2269
VEGETATION CHANGE IN MONTANE MEADOWS ON THE KERN P LATEAU, SIERRA NEVADA,CA (STUDENT: HEATHER SWART
08/14/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C M D'ANTONIO
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2215 UNIV OF CALIFORNIA - DAVIS 2270
AERO-MECHANICAL DESIGN METHODOLOGY FOR SUBSONIC CIVIL TRANS-PORT HIGH-LIFT SYSTEMS
07/20/1999 - 12/31/2000 FY02: $0 Total: $54,972
Prin. Invest.: C P VAN-DAM
Tech. Officer: LARC/P A GELHAUSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01045 UNIV OF CALIFORNIA - DAVIS 2271
FURTHER DEVELOPMENT IN AERO-MECHANICAL DESIGN METHODOLO-GIES FOR HIGH-LIFT SYSTEMS
04/11/2001 - 09/30/2002 FY02: $0 Total: $77,593
Prin. Invest.: C P VAN DAM
Tech. Officer: LARC/P A GELHAUSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01116 UNIV OF CALIFORNIA - DAVIS 2272
MODELING AND DESIGN ANALYSIS METHODOLOGY FOR TAYLORED COM-POSITE AIRCRAFT STRUCTURES
09/21/2001 - 01/20/2004 FY02: $0 Total: $18,806
Prin. Invest.: L W REHFIELD
Tech. Officer: LARC/D R AMBUR
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 2 944 UNIV OF CALIFORNIA - DAVIS 2273
CNS CONTROL OF RHYTHMS & HOMEOSTASIS DURING SPACE FLIGHT
12/21/1994 - 12/31/2000 FY02: $0 Total: $624,482
Prin. Invest.: C A FULLER
Tech. Officer: ARC/W E HINDS, ARC/C M WINGET
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1404 UNIV OF CALIFORNIA - DAVIS 2274
EFFECTS OF GRAVITY ON INSECT CIRCADIAN RHYTHMICITY
04/27/2000 - 06/30/2003 FY02: $0 Total: $419,569
Prin. Invest.: T M HOBAN-HIGGINS
Tech. Officer: ARC/R D MACELROY, ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1451 UNIV OF CALIFORNIA - DAVIS 2275
EFFECTS OF HYPERGRAVITY ON RAT CIRCADIAN CLOCK GEN ES, REGU-LATION & EXPRESSION
12/19/2000 - 12/14/2002 FY02: $0 Total: $238,307
Prin. Invest.: C A FULLER
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1459 UNIV OF CALIFORNIA - DAVIS 2276
FIRST INTERNATIONAL CONFERENCE ON COMPUTATIONAL FL UID DYNAM-ICS
03/05/2001 - 01/31/2002 FY02: $0 Total: $25,000
Prin. Invest.: J J CHATTOT
Tech. Officer: ARC/W R VAN DALSEM
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1494 UNIV OF CALIFORNIA - DAVIS 2277
EFFECTS OF THE HYPERGRAVITY ON EXPRESSION OF GENES INVOLVED IN REGULATION OF FEEDING
07/05/2001 - 06/30/2003 FY02: $88,697 Total: $177,395
Prin. Invest.: B A HORWITZ
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1558 UNIV OF CALIFORNIA - DAVIS 2278
SECOND INTERNATIONAL CONFERENCE ON COMPUTATIONAL F LUID DYNAMICS
05/07/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: J J CHATTOT
Tech. Officer: ARC/E TU, ARC/W R VANDALSEM
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2153 UNIV OF CALIFORNIA - DAVIS 2279
EXPERIMENTAL STUDIES OF MULTIPHASE MATERIALS USING NUCLEAR MAGNETIC RESONANCE
05/13/1998 - 06/30/2002 FY02: $0 Total: $242,250
Prin. Invest.: B L POWELL, S DUGAN, R PHILLIPS
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 43 – CHEMICAL ENGR

NAG 5 7441 UNIV OF CALIFORNIA - DAVIS 2280
GEOMETRIC PARAMETERIZATION OF RAINFALL FIELDS
06/02/1998 - 06/14/2002 FY02: $0 Total: $131,000
Prin. Invest.: C E PUENTE
Tech. Officer: GSFC/R W LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8258 UNIV OF CALIFORNIA - DAVIS 2281
ION IMAGING STUDIES OF VUV PHOTODISSOCIATION OF CO METARY PARENT MOLECULES
02/17/1999 - 03/31/2002 FY02: $0 Total: $309,885
Prin. Invest.: W JACKSON
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8391 UNIV OF CALIFORNIA - DAVIS 2282
X-RAY PROPERTIES OF DEEP-RADIO-SELECTED QUASARS (A DP98)
03/05/1999 - 03/14/2002 FY02: $0 Total: $102,548
Prin. Invest.: R H BECKER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8430 UNIV OF CALIFORNIA - DAVIS 2283
THE FORMATION OF GALAXY CLUSTERS (LTS 98)
05/10/1999 - 05/14/2004 FY02: $0 Total: $269,295
Prin. Invest.: S STANFORD
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 9025 UNIV OF CALIFORNIA - DAVIS 2284
"ERROR CONTROL CODING TECHNIQUES FOR SPACE & SATEL LITE COMMUNICATIONS"
02/09/2000 - 02/28/2001 FY02: $0 Total: $70,000
Prin. Invest.: S LIN
Tech. Officer: GSFC/W H MILLER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9360 UNIV OF CALIFORNIA - DAVIS 2285
NEW EOS DATA PRODUCTS TO IMPROVE BIOGEOCHEMICAL ESTIMATES
04/06/2000 - 04/30/2003 FY02: $0 Total: $375,960
Prin. Invest.: S USTIN
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9540 UNIV OF CALIFORNIA - DAVIS 2286
X-RAY PROPERTIES OF DEEP-RADIO-SELECTED QUASARS (A DP98)
05/02/2000 - 05/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: N ARAV
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9947 UNIV OF CALIFORNIA - DAVIS 2287
X-RAYS FROM RADIO-LOUD BROAD ABSORPTION LINE QSOS
09/06/2000 - 09/14/2002 FY02: $0 Total: $30,500
Prin. Invest.: R H BECKER
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10480 UNIV OF CALIFORNIA - DAVIS 2288
ERROR CONTROL CODING TECHNIQUES FOR SPACE AND SATE LLITE COMMUNICATIONS
02/27/2001 - 02/28/2003 FY02: $0 Total: $70,000
Prin. Invest.: S LIN
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10591 UNIV OF CALIFORNIA - DAVIS 2289
BIOGEOCHEMICAL CHARACTERIZATION OF LATE ARCHEAN FE NESTRATE MICROBIALITESFROM THEGAMOHAAN FORMATION
03/20/2001 - 03/31/2004 FY02: $0 Total: $89,200
Prin. Invest.: D Y SUMNER
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 11098 UNIV OF CALIFORNIA - DAVIS 2290
ANALYSIS & INTERPRETATION OF CMB DATA (LTSA 2000)
07/12/2001 - 07/14/2006 FY02: $0 Total: $76,646
Prin. Invest.: L KNOX
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11260 UNIV OF CALIFORNIA - DAVIS 2291
WESTERN CENTER FOR ESTUARINE ECOSYSTEM INDICATOR RESEARCH
08/20/2001 - 08/31/2005 FY02: $0 Total: $76,055
Prin. Invest.: S USTIN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11607 UNIV OF CALIFORNIA - DAVIS 2292
UNIFICATION OF QUASAR AND SEYFERT OUTFLOWS (LTSA 2 001)
01/28/2002 - 01/31/2007 FY02: $0 Total: $0
Prin. Invest.: N ARAV
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 12124 UNIV OF CALIFORNIA - DAVIS 2293
VELOCITY IMAGING STUDIES OF COMETARY MOLECULES
04/30/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: W M JACKSON
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12373 UNIV OF CALIFORNIA - DAVIS 2294
A DETAILED STUDY OF TWO OPTICALLY-SELECTED, HIGH-R EDSHIFT CLUSTERS OF GALAXIES
08/07/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: L M LUBIN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 9 1048 UNIV OF CALIFORNIA - DAVIS 2295
MESOSCOPIC INSTRUMENTATION MINITURE FTIR FOR ENVIRONMENTAL MONITORING
08/13/1998 - 08/04/2002 FY02: $0 Total: $401,700
Prin. Invest.: S D COLLINS
Tech. Officer: HQ/D L JAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99023 UNIV OF CALIFORNIA - DAVIS 2296
USING REMOTE SENSING TO MONITOR THE IMPACTS OF FLOOD-IRRIGATION OF MEADOWS IN EAST WALKER RIVER
08/25/1999 - 11/01/2002 FY02: $67,609 Total: $412,801
Prin. Invest.: K W TATE
Tech. Officer: SSC/R MCKELLIP
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 1 01007 UNIV OF CALIFORNIA - DAVIS 2297
SIMULATION OF FOREBODY FLOWS AT HIGH-ANGLE-OF- ATTACH DYNAMIC CONDITIONS
12/27/2000 - 01/31/2002 FY02: $0 Total: $55,752
Prin. Invest.: C P VAN DAM
Tech. Officer: LARC/C M FREMAUX
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02010 UNIV OF CALIFORNIA - DAVIS 2298
DEVELOPMENT OF A DESIGN METHODOLOGY FOR RECONFIGUR ABLE FLIGHT CONTROL SYSTEMS
02/12/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: R A HESS
Tech. Officer: LARC/J B DAVIDSON, LARC/J G BATTERSON
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02028 UNIV OF CALIFORNIA - DAVIS 2299
AERODYNAMIC SIMULATION OF AIRCRAFT AT DYNAMIC FLOW CONDITIONS
06/19/2002 - 06/18/2004 FY02: $0 Total: $0
Prin. Invest.: C P VAN DAM
Tech. Officer: LARC/C M FREMAUX
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1011 UNIV OF CALIFORNIA - DAVIS 2300
EFFICIENT PARALLEL ALGORITHMS FOR INVISCID & VISCO US FLOW SIMULATION
01/27/1998 - 01/31/2002 FY02: $0 Total: $215,662
Prin. Invest.: M HAFEZ, J CHATTAT
Tech. Officer: ARC/D KWAK
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1131 UNIV OF CALIFORNIA - DAVIS 2301
EYE MOVEMENT VISUAL PERCEPTION& CONTROL
07/23/1999 - 02/28/2002 FY02: $0 Total: $57,444
Prin. Invest.: R A HESS
Tech. Officer: ARC/L S SROUE, ARC/B SWEET
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1183 UNIV OF CALIFORNIA - DAVIS 2302
MODELING ROTORCRAFT INTERACTION WITH ATMOSPHERIC TURBU-LENCE IN LOW-SPEED AND HOVERING FLIGHT
06/07/2000 - 07/31/2003 FY02: $0 Total: $85,117
Prin. Invest.: R HESS
Tech. Officer: ARC/M B TISCHER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1271 UNIV OF CALIFORNIA - DAVIS 2303
GRAVITATIONAL BIOLOGY: COMPARISON OF MAMMALIAN ADA PTATIONS TO GROUND-BASED MODELS
07/31/2001 - 01/31/2003 FY02: $0 Total: $250,658
Prin. Invest.: C A FULLER, D M MURAKAMI
Tech. Officer: ARC/E M HOLTON, ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDINGENVIR)

NCC 2 1352 UNIV OF CALIFORNIA - DAVIS 2304
GRAVITY & THE INSECT CIRCADIAN TIMING SYSTEM
07/01/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: T M HOBAN-HIGGINS
Tech. Officer: ARC/B E GIRTIN, ARC/R BERHOLD
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5313 UNIV OF CALIFORNIA - DAVIS 2305
DEVELOPING & VALIDATING ROTORCRAFT SIMULATION MODE LS
04/02/1999 - 12/31/2000 FY02: $0 Total: $58,981
Prin. Invest.: J DONGARRA
Tech. Officer: ARC/S DAINI
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5387 UNIV OF CALIFORNIA - DAVIS 2306
DEVELOPMENT & APPLICATION OF A DATA MANAGEMENT TEC HNIQUE WITHIN A DISTRIBUTED COMPUTING ENVIRONMENT
06/23/2000 - 06/30/2002 FY02: $0 Total: $95,000
Prin. Invest.: M HAFEZ, J S DACLES-MARIANI
Tech. Officer: ARC/D KWAK
CASE Category: 22 – COMPUTERSCIENCE

NCC 2 5406 UNIV OF CALIFORNIA - DAVIS 2307
PREDICTION OF THE AERODYNAMIC CHARACTERISTICS OF A HELICOPTER ROTOR AIRFOIL WITHACTIVELY-CONTOLLED
10/27/2000 - 10/31/2001 FY02: $0 Total: $17,879
Prin. Invest.: C P VANDAM
Tech. Officer: ARC/M V FULTON, ARC/C TUNG
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5425 UNIV OF CALIFORNIA - DAVIS 2308
COMPUTER AIDED FLIGHT SIMULATOR ASSESSMENT
03/09/2001 - 02/28/2002 FY02: $0 Total: $30,870
Prin. Invest.: R A
Tech. Officer: ARC/D T TRAN, ARC/W B CLEVELAND
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5426 UNIV OF CALIFORNIA - DAVIS 2309
METACOMPUTATIONS & SIMULATIONS OF SEPARATED FLOWS WITH AP-PLICATIONS TO AEROSPACE & BIOFLUID DYNAMICS
03/08/2001 - 02/28/2003 FY02: $0 Total: $90,000
Prin. Invest.: M HAFEZ, J J CHATTOT
Tech. Officer: ARC/D KWAK
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 2 5447 UNIV OF CALIFORNIA - DAVIS 2310
DATA COMPRESSION VIA WAVELETS
08/14/2001 - 07/31/2002 FY02: $0 Total: $95,000
Prin. Invest.: M HAFEZ
Tech. Officer: ARC/D KWAK, ARC/C KIRIS
CASE Category: 21 – MATHEMATICS

NCC 2 5485 UNIV OF CALIFORNIA - DAVIS 2311
A CFD BASED METHODOLOGY TO AUTOMATE THE GENERATION OF C81 AIRFOIL TABLES
03/01/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: C P VAN DAM
Tech. Officer: ARC/R STRAWN, ARC/C TUNG
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5512 UNIV OF CALIFORNIA - DAVIS 2312
INTELLIGENT FLIGHT CONTROL
08/08/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: M HAFEZ
Tech. Officer: ARC/K G BURLET, ARC/G POWER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 353 UNIV OF CALIFORNIA - DAVIS 2313
ELECTROHYDRODYNAMIC POOLING IN REDUCED GRAVITY
06/29/1994 - 08/31/2003 FY02: $0 Total: $100,000
Prin. Invest.: B D SHAW
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 46 – MECHANICAL ENGR

NCC 3 668 UNIV OF CALIFORNIA - DAVIS 2314
THE IMPACT OF BUOYANCY AND FLAME STRUCTURE ON SOOT , RADIATION AND NOX EMISSIONS FROM A TURBULENT DI
02/12/1999 - 11/30/2002 FY02: $0 Total: $203,033
Prin. Invest.: I M KENNEDY
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 683 UNIV OF CALIFORNIA - DAVIS 2315
COMBUSTION OF HAN-BASED MONOPROPELLANT IN REDUCED GRAVITY
03/08/1999 - 01/03/2003 FY02: $0 Total: $301,250
Prin. Invest.: B D SHAW
Tech. Officer: GRC/D L DIETRICH
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 845 UNIV OF CALIFORNIA - DAVIS 2316
FLAME PROPAGATION IN LOW INTENSITY TURBULENCE UNDE R MICROGRAVITY CONDITIONS
01/05/2001 - 11/30/2004 FY02: $0 Total: $90,000
Prin. Invest.: R C ALDREDGE
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 859 UNIV OF CALIFORNIA - DAVIS 2317
MECHANISM OF CREEP OF CU-CR-NB ALLOYS MECHANISM OF CREEP OF CU-CR-NB ALLOYS
02/08/2001 - 01/14/2003 FY02: $0 Total: $30,000
Prin. Invest.: J GIBELING
Tech. Officer: GRC/M NATHAL
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 872 UNIV OF CALIFORNIA - DAVIS 2318
ELECTRIC FIELD EFFECTS IN SELF-PRO PAGATING HIGH T EMPERATURE COMBUSTION SYNTHESIS UNDER MICROGRAVIT
03/19/2001 - 11/30/2004 FY02: $0 Total: $100,000
Prin. Invest.: Z A MUNIR
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 890 UNIV OF CALIFORNIA - DAVIS 2319
COMBUSTION EXPERIMENTS IN REDUCED GRAVITY WITH TWO COMPONENT MISCIBLE DROPLETS
05/01/2001 - 02/28/2003 FY02: $0 Total: $170,650
Prin. Invest.: B D SHAW
Tech. Officer: GRC/D L DIETRICH
CASE Category: 49 – ENGINEERING, OTHER

NCC 4 151 UNIV OF CALIFORNIA - DAVIS 2320
SUPERSONIC FLIGHT EXPERIMENTATION USING INFRARED T HERMOGRAPHY
01/30/2001 - 02/28/2002 FY02: $14,673 Total: $41,472
Prin. Invest.: C VAN DAM
Tech. Officer: DFRC/D W BANKS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 4 155 UNIV OF CALIFORNIA - DAVIS 2321
QUANTITATIVE VISUALIZATION OF AIRCRAFT SURFACE FLO WS USING INFRARED THERMOGRAPHY
05/09/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: D VANDAM
Tech. Officer: DFRC/D W BANKS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 30187 UNIV OF CALIFORNIA - DAVIS 2322
FORMATION, DETECTION & QUANTIFICATION OF OXIDIZED HALOGEN SPECIES IN AEROSOLS FROM THE MARINE BOUND
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: C ANASTASIO
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NGT 5 30352 UNIV OF CALIFORNIA - DAVIS 2323
ECOLOGICAL & ECONOMIC INFLUENCES ON SMALL-SCALE TROPICAL RAINFOREST SUCCESSION: AREMOTE SENSING
08/24/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: S USTIN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30373 UNIV OF CALIFORNIA - DAVIS 2324
HYPERSPECTRAL REMOTE SENSING OF CORAL REEFS IN THE HAWAIIAN ISLANDS STUDENT:JAMES GOODMAN
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S USTIN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30411 UNIV OF CALIFORNIA - DAVIS 2325
EVALUATION BRDF MODELING STRATEGIES FOR BIOPHYSICA L PARAMETER RETRIEVAL THROUGH INVERSION, .../STUD
08/15/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S USTIN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30451 UNIV OF CALIFORNIA - DAVIS 2326
EFFECTS OF GLOBAL CLIMATE CHANGE ON CALIFORNIA SAL T MARSHES: INTEGRATINGREMOTE SENSING AND SPATIAL
08/19/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S L USTIN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50230 UNIV OF CALIFORNIA - DAVIS 2327
UTILIZING SCIGN VELOCITY SOLUTIONS TO MODEL LITHOS PHERIC PROCESSES IN THE WESTERN TRANSVERSE RANGE
05/24/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: L H KELLOGG, GLASCO
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50281 UNIV OF CALIFORNIA - DAVIS 2328
NEW APPROACHES TO CALCULATING GRAVITATIONAL RADIAT ION & RADIATION REACTION/STUDENT: JAMES R VAN MET
06/20/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: S CARLIP
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50388 UNIV OF CALIFORNIA - DAVIS 2329
COSMOLOGY FROM GALAXY CLUSTER PECULIAR VELOCITIES (STUDENT:ALAN PEEL)
06/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: L KNOX
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2104 UNIV OF CALIFORNIA - IRVINE 2330
EXPERIMENTAL INVESTIGATION OF SUPERSONIC COPLANAR JETS WITHIN EJECTORS
09/02/1998 - 07/31/2001 FY02: -$1 Total: $103,889
Prin. Invest.: D PAPAMOSCHOU
Tech. Officer: LARC/J M SEINER, LARC/M K PONTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2308 UNIV OF CALIFORNIA - IRVINE 2331
DEVELOPMENT OF CHEMISTRY-TRANSPORT MODELS IN SUPPORT OF CLIMATE STUDIES AND ASSESSMENTS
06/15/2000 - 03/14/2003 FY02: $0 Total: $182,979
Prin. Invest.: M J PRATHER
Tech. Officer: LARC/G L MADDREA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01001 UNIV OF CALIFORNIA - IRVINE 2332
REGIONAL CHEMISTRY FROM GLOBAL CTMS W/EC-MODELED MET-FIELDS FOR THE TRACE-P MISSION
03/08/2001 - 03/14/2003 FY02: $0 Total: $25,001
Prin. Invest.: M J PRATHER
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01006 UNIV OF CALIFORNIA - IRVINE 2333
COMPACT AIRBORNE SYS FOR S02 & DMS MEAS FOR USE OF FUTURE GTE MISSIONS ABOARD P-3 OR DC-8
03/01/2001 - 03/31/2003 FY02: $0 Total: $81,988
Prin. Invest.: E S SALTZMAN
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02050 UNIV OF CALIFORNIA - IRVINE 2334
EXTENDING THE CAPABILITY OF CAPTSD TO ACCURATELY A ND RELIABILITY PREDICT BUFFETAND NONLINEAR
02/07/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: F LIU
Tech. Officer: LARC/D M SCHUSTER, LARC/J W EDWARDS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02115 UNIV OF CALIFORNIA - IRVINE 2335
MLPG FOR THE ANALYSIS OF BUILT-UP STRUCTURES
09/16/2002 - 04/15/2003 FY02: $0 Total: $0
Prin. Invest.: S N ATLURI
Tech. Officer: LARC/I S RAJU, LARC/J B RANSOM
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1555 UNIV OF CALIFORNIA - IRVINE 2336
COLLABORATIVE SOFTWARE ENGINEERING TOLLS WORKSHOP AND FOLLOW UP
04/19/2002 - 10/14/2002 FY02: $0 Total: $0
Prin. Invest.: D REDMIRES
Tech. Officer: ARC/J PENIX, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2024 UNIV OF CALIFORNIA - IRVINE 2337
IGNITION AND FLAME SPREAD ABOVE LIQUID FUEL POOLS: GRAVITY EFFECTS
03/01/1997 - 06/30/2002 FY02: $0 Total: $436,415
Prin. Invest.: W A SIRIGNANO
Tech. Officer: GRC/H D ROSS
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2226 UNIV OF CALIFORNIA - IRVINE 2338
APPLICATIONS OF ELECTRIC FIELD IN MICROGRAVITY COM BUSTION
02/01/1999 - 11/29/2002 FY02: $0 Total: $259,600
Prin. Invest.: D DUNN-RANKIN
Tech. Officer: GRC/H D ROSS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2345 UNIV OF CALIFORNIA - IRVINE 2339
MIXING ENHANCEMENT AND NOISE REDUCTION IN HIGH-SPE ED JETS
03/07/2000 - 04/30/2003 FY02: $0 Total: $128,331
Prin. Invest.: D PAPAMOSCHOU
Tech. Officer: GRC/K Q ZAMAN
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2389 UNIV OF CALIFORNIA - IRVINE 2340
SUPERFLUID CONTACT LINE DYNAMICS SUPERFLUID CONTACT LINE DYNAMICS
04/13/2000 - 11/30/2003 FY02: $0 Total: $145,000
Prin. Invest.: P TABOREK
Tech. Officer: GRC/R WILKINSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2775 UNIV OF CALIFORNIA - IRVINE 2341
IGNITION AND FLAME SPREAD ABOVE LIQUID FUEL POOLS: GRAVITY EFFECTS
05/02/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: D A SIRIGNANO
Tech. Officer: GRC/H D ROSS
CASE Category: 46 – MECHANICAL ENGR

NAG 4 217 UNIV OF CALIFORNIA - IRVINE 2342
ROBUST FLIGHT CONTROL WITH GOOD HANDLING QUALITIES ROBUST FLIGHT CONTROL WITH GOOD HANDLING QUALITIE
01/17/2001 - 09/30/2001 FY02: $0 Total: $30,000
Prin. Invest.: K D MEASE
Tech. Officer: DFRC/C O LEE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 5149 UNIV OF CALIFORNIA - IRVINE 2343
DEVELOPMENT OF EMPIRICAL MODE DECOMPOSITION METHOD & HILBERT SPECTRAL ANALYSIS FOR ENGR APPLICATIONS
09/09/1997 - 02/28/2003 FY02: $0 Total: $160,924
Prin. Invest.: J N YANG, Z SHEN
Tech. Officer: GSFC/S R LONG, GSFC/N E HUANG
CASE Category: 33 – OCEANOGRAPHY

NAG 5 7301 UNIV OF CALIFORNIA - IRVINE 2344
ASSESSING ROLE OF FIRE & SOIL DRAINAGE IN DETERMINING NET C FLUXESIN BOREAL ECOSYSTEMS
05/27/1998 - 04/30/2001 FY02: $0 Total: $162,372
Prin. Invest.: S TRUMBORE
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8685 UNIV OF CALIFORNIA - IRVINE 2345
PHOTOCHEMICAL APPLICATIONS OF AEROSOL CLIMATOLOGIE S
07/16/1999 - 07/14/2002 FY02: $0 Total: $55,486
Prin. Invest.: M J PRATHER
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8935 UNIV OF CALIFORNIA - IRVINE 2346
CONTINUED MONITORING & TRENDS OF SELECTED TRACE GASES AT REMOTE LOCATIONS BETWEEN 71 DEGREES
01/13/2000 - 02/28/2003 FY02: $0 Total: $420,000
Prin. Invest.: D R BLAKE
Tech. Officer: GSFC/M KURYLO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9695 UNIV OF CALIFORNIA - IRVINE 2347
RESOURCE MANAGEMENT IN TIGHTLY COUPLED MULTIPROCES SORS.
07/03/2000 - 07/14/2003 FY02: $0 Total: $99,999
Prin. Invest.: I SCHERSON
Tech. Officer: GSFC/J DORBAND
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9955 UNIV OF CALIFORNIA - IRVINE 2348
"STABLE ISOTOPES AND RADIOCARBON IN ATMOSPHERIC HYDROCARBONS AND THEIR SOURCES"
09/21/2000 - 11/30/2001 FY02: $0 Total: $242,681
Prin. Invest.: S C TYLER
Tech. Officer: GSFC/D STARR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10147 UNIV OF CALIFORNIA - IRVINE 2349
EFFECTS OF LAND-USE ON CLIMATE AND WATER RESOURCES :APPLICATION OF A LAND-USE MANAGEMENT
12/08/2000 - 09/30/2003 FY02: $0 Total: $19,490
Prin. Invest.: C ZENDER
Tech. Officer: GSFC/G GUTMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10546 UNIV OF CALIFORNIA - IRVINE 2350
INFLUENCE OF MINERAL DUST AEROSOL ON THE CHEMICAL COMPOSITION OF THE ATMOSPHERE
03/14/2001 - 03/14/2004 FY02: $0 Total: $99,603
Prin. Invest.: ZENDER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10748 UNIV OF CALIFORNIA - IRVINE 2351
X-RAY ISOPHOTE SHAPES AND THE DARK MATTER HALO OF NGC 3923
04/18/2001 - 09/30/2002 FY02: $0 Total: $32,700
Prin. Invest.: D BUOTE
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10758 UNIV OF CALIFORNIA - IRVINE 2352
FE K-ALPHA EMISSION IN THE BRIGHT ELLIPTICAL GALAXY NGC 1399
04/18/2001 - 09/30/2002 FY02: $0 Total: $31,500
Prin. Invest.: D BUOTE
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11272 UNIV OF CALIFORNIA - IRVINE 2353
ADDING NEW CAPABILITY TO CHEMISTRY-CLIMATE ASSESSM ENTS THROUGH THE GLOBAL MODELLING INIATIVE
08/22/2001 - 08/31/2004 FY02: $0 Total: $45,000
Prin. Invest.: M PRATHER
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 11429 UNIV OF CALIFORNIA - IRVINE 2354
MEASUREMENTS AND INTERPRETATIONS OF MIXING AND STA BLE ISOTOPE RATIOS OF ATMOSPHERIC TRACE GASES CH4
12/03/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: S TYLER
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11646 UNIV OF CALIFORNIA - IRVINE 2355
OPTIMAL LAND INITIALIZATION FOR SEASONAL CLIMATE PREDICTIONS
02/01/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: J S FAMIGLIETTI
Tech. Officer: GSFC/M RIENECKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11718 UNIV OF CALIFORNIA - IRVINE 2356
SOIL MOISTURE VARIABILITY AND IT'S ROLE IN LAND-AT MOSPHERE INTERACTION DURING SGP97
03/14/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: J S FAMIGLIETTI
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11753 UNIV OF CALIFORNIA - IRVINE 2357
"A CATCHMENT-BASED GLOBAL RIVER ROUTING SCHEME FOR CLIMATE MODELS AND ASSIMILATION OF STEAMFLOW A
02/25/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: J S FAMIGLIETTI
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 12344 UNIV OF CALIFORNIA - IRVINE 2358
INITIALIZATION OF NSIPP LAND SURFACE MODEL SOIL WA TER STATES FOR IMPROVED SEASONAL-TO-INTERANNUAL P
07/29/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: J FAMIGIETTI
Tech. Officer: GSFC/M RIENECKER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1437 UNIV OF CALIFORNIA - IRVINE 2359
RESEARCH/3HE-4HE MIXTURES AND DROPLETS STABILIZED IN CESIATED CONTAINERS
03/23/1998 - 01/31/2003 FY02: $0 Total: $221,250
Prin. Invest.: P TABOREK, J RUTLEDGE
Tech. Officer: MSFC/D HUBBARD
CASE Category: 12 – CHEMISTRY

NAG 8 1569 UNIV OF CALIFORNIA - IRVINE 2360
GROWTH PROCESSES AND DEFECT STRUCTURE OF MACRO- MOLECULAR CRYSTALS.
03/04/1999 - 11/30/2002 FY02: $0 Total: $368,900
Prin. Invest.: A J MALKIN
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1572 UNIV OF CALIFORNIA - IRVINE 2361
R/S STABILIZATION AND PRESERVATION OF CRYSTALS FOR X-RAY DIF-FRACTION EXPERIMENTS
02/18/1999 - 11/30/2002 FY02: $37,000 Total: $444,150
Prin. Invest.: F JURNAK
Tech. Officer: MSFC/B GUYNES
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1149 UNIV OF CALIFORNIA - IRVINE 2362
MECHANISMS OF MICROACTIVITY EFFECT ON VASULAR FUNCTIONS
09/15/1999 - 11/14/2002 FY02: $0 Total: $568,864
Prin. Invest.: R E PURDY
Tech. Officer: JSC/C W LLOYD
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAS 8 00017 UNIV OF CALIFORNIA - IRVINE 2363
OPCGA PHASE C/D FLIGHT HARDWARE DEVELOPMENT
02/16/2000 - 07/31/2004 FY02: $250,000 Total: $6,217,171
Prin. Invest.: A MCPHERSON
Tech. Officer: MSFC/S ROBBINS
CASE Category: 59 – LIFE SCIENCE, OTHER

NAS 8 00019 UNIV OF CALIFORNIA - IRVINE 2364
ENHANCED GASEOUS NITROGEN DEWAR
03/30/2000 - 11/19/2004 FY02: $0 Total: $920,000
Prin. Invest.: A MCPHERSON
Tech. Officer: MSFC/S ROBBINS
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 1 413 UNIV OF CALIFORNIA - IRVINE 2365
WHOLE AIR SAMPLING FROM THE DC-8 AND P3-B AIRCRAFT DURING TRACE-P
09/21/2000 - 06/30/2003 FY02: $0 Total: $616,693
Prin. Invest.: D R BLAKE
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5378 UNIV OF CALIFORNIA - IRVINE 2366
OPTIMIZATION OF PERCEPTUAL TRANSPARENCY IN SYNTHETIC VISION DISPLAYS
04/05/2000 - 03/31/2002 FY02: $0 Total: $20,791
Prin. Invest.: T M DZMURA
Tech. Officer: ARC/J MULLIGAN
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 5404 UNIV OF CALIFORNIA - IRVINE 2367
LABORATORY MODELS OF PROTOCELLS
10/17/2000 - 10/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: J K LANYI
Tech. Officer: ARC/A POHORILLE, ARC/M FONDA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 5 280 UNIV OF CALIFORNIA - IRVINE 2368
MEASURING THE EFFECTS OF LOGGING ON THE CO2 AND EN ERGY EXCHANGE OF A PRIMARYFOREST IN TAPAJOS N
06/24/1998 - 12/31/2002 FY02: $0 Total: $1,228,960
Prin. Invest.: M L GOULDEN
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 336 UNIV OF CALIFORNIA - IRVINE 2369
CARBON DYNAMICS IN VEGETATION AND SOILS ALONG THE EASTERN LBA TRANSECT
06/16/1998 - 12/31/2002 FY02: $0 Total: $884,733
Prin. Invest.: S TRUMBORE
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30203 UNIV OF CALIFORNIA - IRVINE 2370
LOW LATITUDE NONLINEAR BEHAVIOR OF ROSSBY WAVES COMPOSED OF A SPECTRUM OF PHASE SPEEDS/STUDENT
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: G MAGNUSDOTTIR
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30409 UNIV OF CALIFORNIA - IRVINE 2371
AN INVESTIGATION OF THE RELATIONSHIP BETWEEN CARBO N STORAGE AND METHANE EMISSION IN RICE PADDIES/ST
08/15/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S TYLER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30443 UNIV OF CALIFORNIA - IRVINE 2372
UNCERTAINTY IN SOIL MOISTURE INITIALIZATION AND IMPACTS ON SEASONAL-TO- INTERANNUAL PREDICTION
08/23/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J FAMIGLIETTI
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50226 UNIV OF CALIFORNIA - IRVINE 2373
SIGMA D MEASUREMENT OF METHANE AND MOLECULAR HYDRO GEN IN THE ATMOSPHERE
09/29/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: R J RICE, RICE
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50317 UNIV OF CALIFORNIA - IRVINE 2374
SIMULATED MICROGRAVITY ALTERS VASCULAR CONTRACTILI TY: ROLE OF CALCIUM DEPENDENT PKC-MEDIATED NON-
07/11/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: R E PURDY
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50325 UNIV OF CALIFORNIA - IRVINE 2375
METHYL HALIDE EMISSIONS: THE ATMOSPHERIC IMPACT OF AGRICUL-TURE
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: R J CICERONE
Tech. Officer: GSFC/M W WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 1 1899 UNIV OF CALIFORNIA - LOS ANGELES 2376
STRATOSPHERIC AEROSOL MICROPHYSICS AND PHYSICAL CHEMISTRY: MODELING AND OBSERVATIONS
04/01/1997 - 03/31/2001 FY02: $0 Total: $356,960
Prin. Invest.: R P TURCO
Tech. Officer: LARC/G MADDERA, LARC/M M POTEAT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2097 UNIV OF CALIFORNIA - LOS ANGELES 2377
AIRCRAFT AEROSOLS AND CONTRAILS: MICROPHYSICAL PROCESS AND EVOLUTION
09/10/1998 - 09/09/2001 FY02: $0 Total: $162,189
Prin. Invest.: R P TURCO
Tech. Officer: LARC/W L GROSE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2274 UNIV OF CALIFORNIA - LOS ANGELES 2378
DEVELOPMENT OF MLPG AND LBIE METHODS FOR NONLINEAR PROBLEMS OF FRACTURE
03/01/2000 - 12/14/2000 FY02: $0 Total: $65,000
Prin. Invest.: S N ATLURI
Tech. Officer: LARC/I S RAJU
CASE Category: 46 – MECHANICAL ENGR

NAG 1 01082 UNIV OF CALIFORNIA - LOS ANGELES 2379
MESHLESS (MLPG AND LBIE) METHODS FOR NONLINEAR ANALYSES
05/22/2001 - 05/31/2002 FY02: $0 Total: $65,005
Prin. Invest.: S N ATTURE
Tech. Officer: LARC/J S RAJA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02036 UNIV OF CALIFORNIA - LOS ANGELES 2380
ANAL OF ACOUSTIC EMISSION WAVES FROM IMPACT & FATI QUE DAMAGE COMPOSITES FOR INTEGRD IVHM TECHNOL DE
01/14/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: A K MAL
Tech. Officer: LARC/W H PROSSER
CASE Category: 46 – MECHANICAL ENGR

NAG 1 02043 UNIV OF CALIFORNIA - LOS ANGELES 2381
MLPG (MESHLESS LOCAL PETROV GALERKIN) FO THE ANALYSIS OF BUILT-UP STRUCTURES
01/31/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: S N ATLURI
Tech. Officer: LARC/I S RAJU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1193 UNIV OF CALIFORNIA - LOS ANGELES 2382
MEACHANICAL SIGNAL TRANSDUCTION IN COUNTERMEASURES OF PHYSIOLOGICAL SCIENCE
03/25/1998 - 04/30/2002 FY02: $0 Total: $536,583
Prin. Invest.: T J TIDBALL
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1222 UNIV OF CALIFORNIA - LOS ANGELES 2383
HYPERGRAVITY-INDUCED MODIFICATIONS IN SPATIO-TEMPO RAL CODING AMONG UTRICULAR PRIMARY AFFERENT NEURO
05/22/1998 - 12/31/2002 FY02: $0 Total: $539,538
Prin. Invest.: L F HOFFMAN
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1238 UNIV OF CALIFORNIA - LOS ANGELES 2384
SCALABLE NUMERICAL ALGORITHMS ON NON-HETROGENEOUS COMPUTING ENVIRONMENTS WITH DYNAMIC ROUTING & LOAD
07/17/1998 - 06/30/2001 FY02: $0 Total: $120,000
Prin. Invest.: T F CHAN
Tech. Officer: ARC/T J BARTH
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1484 UNIV OF CALIFORNIA - LOS ANGELES 2385
MANAGEMENT OF AIR CEHICLE SYSTEMS
05/14/2001 - 05/14/2003 FY02: $0 Total: $66,000
Prin. Invest.: J L SPEYER
Tech. Officer: ARC/L TOBIAS, ARC/Y C JUNG
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 1862 UNIV OF CALIFORNIA - LOS ANGELES 2386
FINITE SIZE EFFECTS NEAR THE LIQUID-GAS CRITICAL P OINT OF 3HE
05/08/1996 - 05/22/2001 FY02: $0 Total: $308,200
Prin. Invest.: J RUDNICK
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2108 UNIV OF CALIFORNIA - LOS ANGELES 2387
DIFFUSING LIGHT PHOTOGRAPHY OF CONTAINERLESS RIPPL E TURBULENCE
03/01/1998 - 05/30/2002 FY02: $0 Total: $615,000
Prin. Invest.: S J PUTTERMAN
Tech. Officer: GRC/W M DUVAL
CASE Category: 13 – PHYSICS

NAG 3 2344 UNIV OF CALIFORNIA - LOS ANGELES 2388
EVALUATION AND IMPROVEMENT OF JET NOISE MODELS AND EXPERIMENTAL TECHNIQUESUSING HIGH FIDELITY SIMU
03/07/2000 - 09/30/2001 FY02: $0 Total: $106,001
Prin. Invest.: J B FREUND
Tech. Officer: GRC/J BRIDGES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2397 UNIV OF CALIFORNIA - LOS ANGELES 2389
TRANSITION FROM POOL TO FLOW BOILING - THE EFFECT OF REDUCED GRAVITY
04/18/2000 - 11/30/2003 FY02: $0 Total: $144,999
Prin. Invest.: V K DHIR
Tech. Officer: GRC/D F CHAO
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2467 UNIV OF CALIFORNIA - LOS ANGELES 2390
A MECHANISTIC STUDY OF NUCLEATE BOILING HEAT TRANS FER UNDER MICROGRAVITY CONDITIONS
06/21/2000 - 05/15/2005 FY02: $0 Total: $300,000
Prin. Invest.: V K DHIR
Tech. Officer: GRC/D F CHAO
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2481 UNIV OF CALIFORNIA - LOS ANGELES 2391
THE MELTING OF AQUEOUS FOAMS THE MELTING OF AQUEOUS FOAMS
08/01/2000 - 05/31/2005 FY02: $0 Total: $328,000
Prin. Invest.: D J DURIAN
Tech. Officer: GRC/F P CHARIAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2735 UNIV OF CALIFORNIA - LOS ANGELES 2392
DIFFUSING LIGHT PHOTORAPHY OF CONTAINERLESS RIPPLE
03/15/2002 - 01/07/2004 FY02: $0 Total: $0
Prin. Invest.: S J PUTTERMAN
Tech. Officer: GRC/W DUVAL
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3764 UNIV OF CALIFORNIA - LOS ANGELES 2393
SOURCE DETERMINATION FOR SUBSTORM-RELATED ION INJE
02/13/1997 - 04/14/2001 FY02: $0 Total: $165,000
Prin. Invest.: R J STRANGEWAY
Tech. Officer: GSFC/J BOHLIN
CASE Category: 13 – PHYSICS

NAG 5 3863 UNIV OF CALIFORNIA - LOS ANGELES 2394
THERMAL AND DYNAMICAL PROCESSES IN THE EVOLUTION O SATELLITES
02/14/1997 - 11/30/2002 FY02: $0 Total: $396,000
Prin. Invest.: G SCHUBERT
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3956 UNIV OF CALIFORNIA - LOS ANGELES 2395
VENUS TECTONICS AND EVOLUTION
03/12/1997 - 02/14/2003 FY02: $0 Total: $183,780
Prin. Invest.: W M KAULA
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4117 UNIV OF CALIFORNIA - LOS ANGELES 2396
DYNAMICAL STUDIES OF PLANETARY AND SATELLITE ATMOS
02/28/1997 - 01/31/2002 FY02: $0 Total: $304,781
Prin. Invest.: P SCHUBERT
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4215 UNIV OF CALIFORNIA - LOS ANGELES 2397
PRISTINE IGNEOUS ROCKS AND THE EARLY DIFFERENTIATI MATERIALS
03/19/1997 - 12/14/2001 FY02: $0 Total: $744,000
Prin. Invest.: D H WARREN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 4270 UNIV OF CALIFORNIA - LOS ANGELES 2398
ELECTRON PRECIPITATION FROM THE INNER MAGNETOSPHER THE MIDDLE ATMOSPHERE
04/04/1997 - 04/30/2001 FY02: $0 Total: $216,557
Prin. Invest.: D M THORNE
Tech. Officer: GSFC/M M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 4339 UNIV OF CALIFORNIA - LOS ANGELES 2399
THE ROLE OF THIN CURRENT SHEETS IN PLASMA SHEET CO DISRUPTION
04/12/1997 - 10/31/2001 FY02: $0 Total: $324,270
Prin. Invest.: D L PRITCHETT
Tech. Officer: GSFC/J D BOHLIN
CASE Category: 13 – PHYSICS

NAG 5 4688 UNIV OF CALIFORNIA - LOS ANGELES 2400
TOWARD OTHER SOLAR SYSTEMS: GAS, DUST, BROWN DWARF
06/17/1997 - 04/30/2002 FY02: $0 Total: $147,000
Prin. Invest.: D M ZUCKERMAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4766 UNIV OF CALIFORNIA - LOS ANGELES 2401
CHONDRITIC METEORITES: NEBULAR AND PARENT-BODY FO
06/05/1997 - 05/31/2002 FY02: $0 Total: $253,000
Prin. Invest.: D E RUBIN
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 6265 UNIV OF CALIFORNIA - LOS ANGELES 2402
ASSYM. AURORAL PROCESSES
08/21/1997 - 06/30/2001 FY02: $0 Total: $246,911
Prin. Invest.: D M THORNE
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6689 UNIV OF CALIFORNIA - LOS ANGELES 2403
THEORETICAL TECHNOLOGY RESEARCH FOR THE INTERNATIO NAL SOLAR TERRESTRIAL PHYSICS (ISTP) PROGRAM.
12/01/1997 - 09/30/2001 FY02: $0 Total: $1,514,500
Prin. Invest.: M ABDALLA
Tech. Officer: GSFC/S CURTIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 6965 UNIV OF CALIFORNIA - LOS ANGELES 2404
PICK-UP ION INSTABILITIES AT PLANETARY MAGNETOSPHE RES
03/03/1998 - 03/31/2001 FY02: $0 Total: $96,968
Prin. Invest.: R J STRANGEWAY
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 6975 UNIV OF CALIFORNIA - LOS ANGELES 2405
THE ROLE OF COMPANION STARS IN PLANETARY FORMATION
03/25/1998 - 06/30/2002 FY02: $0 Total: $116,600
Prin. Invest.: A GHEZ
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7555 UNIV OF CALIFORNIA - LOS ANGELES 2406
REAL-TIME FORECASTING AND RAPID POST-EVENT ASSESSM ENT OF EROSIONAL AND DEPOSITIONAL FLOOD DAMAGE
06/25/1998 - 08/31/2002 FY02: $0 Total: $330,915
Prin. Invest.: L C SMITH
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICALSCIENCE

NAG 5 7721 UNIV OF CALIFORNIA - LOS ANGELES 2407
POLAR MAGNETIC FIELD EXPERIMENT
09/23/1998 - 09/30/2001 FY02: $0 Total: $1,377,000
Prin. Invest.: C T RUSSELL
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 7738 UNIV OF CALIFORNIA - LOS ANGELES 2408
RADIATIVE TRANSFER AND REMOTE SENSING IN AEROSOL A TMOSPHERE.
10/02/1998 - 09/30/2002 FY02: $0 Total: $245,000
Prin. Invest.: K LIOU
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7899 UNIV OF CALIFORNIA - LOS ANGELES 2409
QUASI-CONTINUOUS ROSAT MONITORING OF THE EXTREME N ARROW-LINE SEYFERT 1 GALAXY IRAS 13224-3809 ADP 9
01/03/1999 - 12/31/2000 FY02: $0 Total: $38,000
Prin. Invest.: R A EDELSON
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7907 UNIV OF CALIFORNIA - LOS ANGELES 2410
STUDY OF TOTAL SOLAR AND SPECTRAL IRRADIANCE VARIA TIONS BASED ON THE SOHO/VIRGO AND MDI MEASUREM
12/04/1998 - 05/14/2001 FY02: $0 Total: $205,228
Prin. Invest.: J M PAP
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 7924 UNIV OF CALIFORNIA - LOS ANGELES 2411
EVOLUTION OF DUST AROUND MAIN SEQUENCE STARS (LTSA - 98)
01/06/1999 - 12/14/2002 FY02: $0 Total: $201,354
Prin. Invest.: M A JURA
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7959 UNIV OF CALIFORNIA - LOS ANGELES 2412
THE GALILEAN MOONS OF JUPITER: INFERRING INTERNAL PROPERTIES OF NEW WORLDS FROM THEIR INTERACTI
01/08/1999 - 11/30/2001 FY02: $0 Total: $178,006
Prin. Invest.: D G KIVELSON
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 7962 UNIV OF CALIFORNIA - LOS ANGELES 2413
DYNAMICS OF THE R=10-30 RE MAGNETOTAIL DURING GEOM AGNETIC DISTURBANCES
12/23/1998 - 12/14/2002 FY02: $0 Total: $247,000
Prin. Invest.: L R LYONS
Tech. Officer: GSFC/L ZANETTI
CASE Category: 11 – ASTRONOMY

NAG 5 7995 UNIV OF CALIFORNIA - LOS ANGELES 2414
CALIBRATION AND COMPARISON BETWEEN MDI, GOLF, AND MT. WILSON DATA 11
01/05/1999 - 12/31/2001 FY02: $0 Total: $751,562
Prin. Invest.: R K ULRICH
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8050 UNIV OF CALIFORNIA - LOS ANGELES 2415
SOME STUDIES OF STRUCTURE AND DYNAMICS OF JUPITER' S MAGNETO-SPHERE
01/15/1999 - 11/30/2001 FY02: $0 Total: $123,696
Prin. Invest.: D K KHURANA
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8059 UNIV OF CALIFORNIA - LOS ANGELES 2416
MULTIPLE SCALE STRUCTURE OF AURORAL ARCS
01/14/1999 - 01/31/2003 FY02: $0 Total: $207,418
Prin. Invest.: F V CORONITI
Tech. Officer: GSFC/M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 8060 UNIV OF CALIFORNIA - LOS ANGELES 2417
THE PHYSICAL NATURE OF THE ELECTRON CYCLOTRON MASE R INSTA-BILITY IN THE AKR SOURCE REGION
01/14/1999 - 01/31/2003 FY02: $0 Total: $177,301
Prin. Invest.: P L PRITCHETT
Tech. Officer: GSFC/M MELLOTT
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8065 UNIV OF CALIFORNIA - LOS ANGELES 2418
NON-ADIABATIC PLASMA PROCESSES IN THE JOVIAN MAGNE TOSPHERE AND COUPLING TOTHE ATMOSPHERE
01/11/1999 - 06/30/2002 FY02: $0 Total: $105,000
Prin. Invest.: D M THORNE
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8066 UNIV OF CALIFORNIA - LOS ANGELES 2419
ANALYSIS AND INTERPRETATION OF JOVIAN ATMOSPHERE A ND SATEL-LITE DATA FROMTHE GALILEO MISSION
01/12/1999 - 12/31/2001 FY02: $0 Total: $105,000
Prin. Invest.: D SCHUBERT
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8085 UNIV OF CALIFORNIA - LOS ANGELES 2420
ELECTRON DYNAMICS IN THE MAGNETOTAIL
01/21/1999 - 12/31/2001 FY02: $0 Total: $230,315
Prin. Invest.: D SCHRIVER
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 8335 UNIV OF CALIFORNIA - LOS ANGELES 2421
EVOLUTION OF DUST AROUND YOUNG MAIN SEQUENCE STARS
02/24/1999 - 02/28/2003 FY02: $0 Total: $65,400
Prin. Invest.: D JURA
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8470 UNIV OF CALIFORNIA - LOS ANGELES 2422
BIOMARKERS FOR MARS EXPLORATION
05/06/1999 - 07/31/2003 FY02: $0 Total: $84,287
Prin. Invest.: D F KERRIDGE
Tech. Officer: GSFC/M MEYER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8507 UNIV OF CALIFORNIA - LOS ANGELES 2423
STUDY OF THE TERRESTRIAL EFFECTS OF SOLAR IRRADIAN CE VARIA-TIONS FROM EUVTOINFRARED: A NEW APPROACH
05/10/1999 - 04/30/2002 FY02: $0 Total: $175,541
Prin. Invest.: J M PAP
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 8530 UNIV OF CALIFORNIA - LOS ANGELES 2424
MINING LUNAR PROSPECTOR'S GRAVITY DATA FOR INSIGHT S INTO THE MECHANICAL AND THERMAL EVOLUTION OF TH
06/15/1999 - 06/30/2002 FY02: $0 Total: $76,000
Prin. Invest.: G SCHUBERT
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8540 UNIV OF CALIFORNIA - LOS ANGELES 2425
PRIOR GRANT NAG5-3252 CONTINUATION OF MAP SCIENCE SUPPORT ACTIVITIES BEINGIMPLEMENTED BY THE MAP
08/19/1999 - 08/14/2004 FY02: $0 Total: $216,263
Prin. Invest.: E L WRIGHT
Tech. Officer: GSFC/C BENNET
CASE Category: 11 – ASTRONOMY

NAG 5 8694 UNIV OF CALIFORNIA - LOS ANGELES 2426
DECENTRALIZED ESTIMATION & CONTROL OF DISTRIBUTED SPACECRAFT
07/29/1999 - 07/31/2001 FY02: $0 Total: $253,525
Prin. Invest.: J SPEYER
Tech. Officer: GSFC/J CARPENTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8812 UNIV OF CALIFORNIA - LOS ANGELES 2427
HIGH RESOLUTION SOLAR TRANSMISSION MEASUREMENTS FOR THE DETECTION OF AEROSOLS AND CLOUDS
09/15/1999 - 09/30/2003 FY02: $78,198 Total: $276,524
Prin. Invest.: A ELDERING
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8879 UNIV OF CALIFORNIA - LOS ANGELES 2428
PRECISE RELATIVE STATE ESTIMATION & CONTROL OF DISTRIBUTED SATELLITE NETWORKS
11/15/1999 - 11/14/2001 FY02: $0 Total: $386,230
Prin. Invest.: J L SPEYER
Tech. Officer: GSFC/R CARPENTER
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 8938 UNIV OF CALIFORNIA - LOS ANGELES 2429
MAGNETIC FLUCTUATIONS IN THE JOVIAN MAGNETOSPHERE
01/13/2000 - 01/14/2002 FY02: $0 Total: $137,900
Prin. Invest.: C T RUSSELL
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9014 UNIV OF CALIFORNIA - LOS ANGELES 2430
INTERACTION OF LAND SURFACE COVER/CHARACTERISTICS & SURFACE HYDROCLIMATOLOGY AT SEASONAL/INTERANNUAL
02/03/2000 - 07/31/2001 FY02: -$11,308 Total: $206,511
Prin. Invest.: Y XUE
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9023 UNIV OF CALIFORNIA - LOS ANGELES 2431
DETERMINING THE LONG TERM VARIABILITY AND CHARACTE RISTIC TIME SCALES OF AGN - ADP 99
02/22/2000 - 02/28/2001 FY02: $0 Total: $56,000
Prin. Invest.: R A EDELSON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9027 UNIV OF CALIFORNIA - LOS ANGELES 2432
GLOBAL SURFACE GEOCHEMISTRY & THE DIFFERENTIATION, BULK COMPOSITION, & ORIGIN OF THE MOON
02/04/2000 - 02/14/2003 FY02: $0 Total: $45,000
Prin. Invest.: P H WARREN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9071 UNIV OF CALIFORNIA - LOS ANGELES 2433
CONSEQUENCES OF HIGH-LATITUDE RECONNECTION
02/15/2000 - 02/14/2003 FY02: $0 Total: $153,828
Prin. Invest.: J P BERCHEM
Tech. Officer: GSFC/J SHARBER
CASE Category: 13 – PHYSICS

NAG 5 9074 UNIV OF CALIFORNIA - LOS ANGELES 2434
PARTICLE TRANSPORT IN THE IO TORUS AND NEAR THE MOONS IO AND EUROPA
02/15/2000 - 03/31/2003 FY02: $0 Total: $100,000
Prin. Invest.: R THORNE
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9111 UNIV OF CALIFORNIA - LOS ANGELES 2435
MHD TURBULENCE SIMULATION OF THE DYNAMICS OF THE MAGNETOTAIL
02/23/2000 - 02/28/2003 FY02: $0 Total: $89,920
Prin. Invest.: C WU
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9207 UNIV OF CALIFORNIA - LOS ANGELES 2436
ANALYSIS AND VALIDATION OF THE UARS/ACRIM II DATA
03/10/2000 - 10/14/2001 FY02: $0 Total: $24,740
Prin. Invest.: J PAP
Tech. Officer: GSFC/R CAHALAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9255 UNIV OF CALIFORNIA - LOS ANGELES 2437
THE INTERPLANETARY MAGNETIC FIELD AND THE MAGNETOS PHERIC CURRENT SYSTEMS
03/15/2000 - 02/28/2003 FY02: $0 Total: $150,737
Prin. Invest.: M EL-ALAOUI
Tech. Officer: GSFC/J SHARBER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9294 UNIV OF CALIFORNIA - LOS ANGELES 2438
SEQUENTIAL ESTIMATION & PREDICTABILITY STUDIES FOR THE ATMOSPHERE & OCEANS
04/10/2000 - 04/14/2003 FY02: $0 Total: $220,000
Prin. Invest.: M GHIL
Tech. Officer: GSFC/S COHN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9358 UNIV OF CALIFORNIA - LOS ANGELES 2439
SENSITIVITY OF PRECIPITATION IN COUPLED LAND-ATMOS PHERE MODELS
04/06/2000 - 06/30/2003 FY02: $0 Total: $150,000
Prin. Invest.: D J NEELIN
Tech. Officer: GSFC/K BERGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9441 UNIV OF CALIFORNIA - LOS ANGELES 2440
THE METEORITIC COMPONENT IN IMPACT DEPOSITS
04/13/2000 - 04/14/2003 FY02: $0 Total: $110,000
Prin. Invest.: F T KYTE
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 9546 UNIV OF CALIFORNIA - LOS ANGELES 2441
DEVELOPMENT OF GLOBAL MAGNETOSPHERIC FIELD MODELS OF JUPITER
05/15/2000 - 05/14/2003 FY02: $0 Total: $160,528
Prin. Invest.: K K KHURANA
Tech. Officer: GSFC/J SHARBER
CASE Category: 13 – PHYSICS

NAG 5 9573 UNIV OF CALIFORNIA - LOS ANGELES 2442
TOWARD OTHER PLANETARY SYSTEMS: IMAGING OF MASSIVE PLANETS AND DUSTY DEBRISDISKS
05/08/2000 - 04/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: B ZUCKERMAN
Tech. Officer: HQ/J M BOYCE
CASE Category: 13 – PHYSICS

NAG 5 9667 UNIV OF CALIFORNIA - LOS ANGELES 2443
REMOTE SENSING OF THE OPTICAL & MICROPHYSICAL PROPERTIES OF CIRRUS CLOUDS USING MODIS CHANNELS
05/30/2000 - 08/31/2002 FY02: $0 Total: $80,000
Prin. Invest.: K N LIOU
Tech. Officer: GSFC/M KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9713 UNIV OF CALIFORNIA - LOS ANGELES 2444
INFLUENCE OF LAND SURFACE PROCESSES/LAND COVER CHANGES IN AMAZON ON REGIONAL HYDROLMETEOROLOGY
07/06/2000 - 03/14/2003 FY02: $0 Total: $246,426
Prin. Invest.: Y XUE
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9772 UNIV OF CALIFORNIA - LOS ANGELES 2445
SOLAR MAX EXTENDED SCIENCE PROGRAM
06/30/2000 - 06/30/2002 FY02: $0 Total: $100,000
Prin. Invest.: M ASHOUR-ABDOLLA
Tech. Officer: GSFC/S CURTIS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9789 UNIV OF CALIFORNIA - LOS ANGELES 2446
ISOTOPIC INVESTIGATIONS OF NEBULAR AND PARENT BODY PROCESSES WITH HIGH SENSITIVITY ION MICROPROBE
07/11/2000 - 07/14/2003 FY02: $0 Total: $218,000
Prin. Invest.: K D MCKEEGAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9826 UNIV OF CALIFORNIA - LOS ANGELES 2447
THE LOCAL DISTANCE SCALE: APPLICATION OF THE TIP OF THE RED GIANT BRANCH DISTANCE INDICATOR - LTSA
08/23/2000 - 08/31/2003 FY02: $0 Total: $159,900
Prin. Invest.: S SAKAI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9860 UNIV OF CALIFORNIA - LOS ANGELES 2448
OCEAN CARBON FLUX: TRANSPORT, & BURIAL WITHIN THE WESTERN & EASTERN U.S.COASTAL ZONES
08/07/2000 - 06/30/2003 FY02: $0 Total: $208,200
Prin. Invest.: J MCWILLIAMS
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10032 UNIV OF CALIFORNIA - LOS ANGELES 2449
AN XMM LONG-LOOK AT NGC5548
09/26/2000 - 09/30/2002 FY02: $0 Total: $46,500
Prin. Invest.: R EDELSON
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10282 UNIV OF CALIFORNIA - LOS ANGELES 2450
MAGNETOHYDRODYNAMIC MODELING OF THE JOVIAN MAGNETO SPHERE
01/23/2001 - 01/31/2004 FY02: $0 Total: $89,771
Prin. Invest.: R WALKER
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10287 UNIV OF CALIFORNIA - LOS ANGELES 2451
KINETIC PHYSICS OF THE STRESSED NEAR-EARTH PLASMA SHEET
01/23/2001 - 01/31/2004 FY02: $0 Total: $90,784
Prin. Invest.: P L PRITCHETT
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10351 UNIV OF CALIFORNIA - LOS ANGELES 2452
SEARCH FOR MOLECULAR HYDROGEN AROUND VEGA-TYPE STARS
02/08/2001 - 02/14/2003 FY02: $0 Total: $69,500
Prin. Invest.: M A JURA
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10354 UNIV OF CALIFORNIA - LOS ANGELES 2453
UCLA CLUSTER-II MISSION PARTICIPATION
02/15/2001 - 03/31/2002 FY02: $0 Total: $200,000
Prin. Invest.: D G KIVELSON
Tech. Officer: GSFC/M ACUNA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10421 UNIV OF CALIFORNIA - LOS ANGELES 2454
COSMOCHEMICAL STUDIES: METEORITES AND THEIR PARENT ASTEROIDS
02/15/2001 - 01/31/2002 FY02: $0 Total: $155,000
Prin. Invest.: J WASSON
Tech. Officer: GSFC/D NAVA
CASE Category: 12 – CHEMISTRY

NAG 5 10473 UNIV OF CALIFORNIA - LOS ANGELES 2455
MAGNETOSPHERE-IONOSPHERE COUPLING IN THE AURORAL ZONE
02/27/2001 - 02/28/2003 FY02: $0 Total: $75,407
Prin. Invest.: D SCHRIVER
Tech. Officer: GSFC/J SPANN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10490 UNIV OF CALIFORNIA - LOS ANGELES 2456
ACQUISITION OF A NEW ELECRON MICROPROBE AT UCLA
03/01/2001 - 02/28/2003 FY02: $0 Total: $168,000
Prin. Invest.: P WARREN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10609 UNIV OF CALIFORNIA - LOS ANGELES 2457
DETECTION AND MODELING OF MECHANICAL ICE BREAKUP I N LARGE POLAR RIVERS WITH SAR INTERFEROMETRY
03/15/2001 - 03/14/2004 FY02: $0 Total: $71,332
Prin. Invest.: L SMITH
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10615 UNIV OF CALIFORNIA - LOS ANGELES 2458
LOCAL INVERSIONS OF THE MARTIAN GRAVITY FIELD AND INTERPRETATIONS OF REGIONAL TECTONICS
03/16/2001 - 03/14/2003 FY02: $0 Total: $49,000
Prin. Invest.: W MOORE
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10663 UNIV OF CALIFORNIA - LOS ANGELES 2459
ADAPTIVE OPTICS IMAGING OF MASSIVE PLANETARY COMPA NIONS TO YOUNG STARS
03/22/2001 - 06/30/2004 FY02: $0 Total: $40,000
Prin. Invest.: B ZUCKERMAN
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10685 UNIV OF CALIFORNIA - LOS ANGELES 2460
APPLICATIONS AND VALIDATION OF THE SRTM DEM IN THE AMAZON BASIN: HYDROLOGICAL AND GEOMORPHOLOGICAL
03/30/2001 - 02/28/2003 FY02: $0 Total: $150,000
Prin. Invest.: D E ALSDORF
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICALSCIENCE

NAG 5 10834 UNIV OF CALIFORNIA - LOS ANGELES 2461
SOLAR CYCLE VARIATION AND MULTI-POINT STUDIES OF ICME PROPER-TIES
04/27/2001 - 04/30/2004 FY02: $0 Total: $77,870
Prin. Invest.: C T RUSSELL
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10905 UNIV OF CALIFORNIA - LOS ANGELES 2462
TIME DEPENDENCE OF SOLAR MAGNETIC FIELDS
05/22/2001 - 05/31/2004 FY02: $0 Total: $95,500
Prin. Invest.: R K ULRICH
Tech. Officer: GSFC/W J WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 10973 UNIV OF CALIFORNIA - LOS ANGELES 2463
MARS POLAR PROPERTIES AND CLIMATE HISTORY
05/24/2001 - 06/30/2004 FY02: $0 Total: $75,000
Prin. Invest.: D PAIGE
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10986 UNIV OF CALIFORNIA - LOS ANGELES 2464
SOLAR EFFECTS ON GLOBAL CLIMATE DUE TO COSMIC RAYS AND SOLAR ENERGETIC PARTICLES
05/15/2001 - 05/14/2004 FY02: $0 Total: $102,067
Prin. Invest.: J RAEDER
Tech. Officer: GSFC/J F SPANN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11102 UNIV OF CALIFORNIA - LOS ANGELES 2465
TECTONICS AND VOLCANISM IN AFAR USING RADARSAT INT ERFEROM-ETRY DATA
07/10/2001 - 06/30/2004 FY02: $0 Total: $84,285
Prin. Invest.: G PELTZER
Tech. Officer: GSFC/W ABDALATI
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11210 UNIV OF CALIFORNIA - LOS ANGELES 2466
DYNAMICAL STUDIES OF PLANETARY AND SATELLITE ATMO- SPHERES
08/09/2001 - 08/14/2003 FY02: $0 Total: $70,000
Prin. Invest.: G SCHUBERT
Tech. Officer: GSFC/D J BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11216 UNIV OF CALIFORNIA - LOS ANGELES 2467
MAGNETOSPHERE-IONOSPHERE COUPLING IN THE JOVIAN AU RORAL ZONE
08/13/2001 - 08/31/2004 FY02: $0 Total: $80,000
Prin. Invest.: R THORNE
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11324 UNIV OF CALIFORNIA - LOS ANGELES 2468
POLAR MAGNETIC FIELD EXPERIMENT
11/20/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: C RUSSEL
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11363 UNIV OF CALIFORNIA - LOS ANGELES 2469
APPLICATIONS OF REMOTELY SENSED LAND SURFACE DATA FOR SEA-SONAL AND LONG-TERM HYDROCLIMATE PREDICTION
09/28/2001 - 09/30/2003 FY02: $0 Total: $206,667
Prin. Invest.: J KIM
Tech. Officer: GSFC/M JACKSON
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 11384 UNIV OF CALIFORNIA - LOS ANGELES 2470
FAULT-TOLERANT NAVIGATION AND GUIDANCE OF SATELLIT E CLUSTERS
11/20/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: J L SPEYER
Tech. Officer: GSFC/R CARPENTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11541 UNIV OF CALIFORNIA - LOS ANGELES 2471
SUPPORT FOR 65TH ANNUAL MEETING OF THE METEORITICAL SOCIETY, LOS ANGELES JULY 2002
01/04/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: P WARREN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11556 UNIV OF CALIFORNIA - LOS ANGELES 2472
PRISTINE IGNEOUS ROCKS & EARLY DIFFERENTIATION OF PLANETARY MATERIALS
01/09/2002 - 01/14/2003 FY02: $0 Total: $0
Prin. Invest.: P WARREN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11583 UNIV OF CALIFORNIA - LOS ANGELES 2473
ICME'S TESTING THE FLUXROPE PARADIGM
01/16/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: C T RUSSELL
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11691 UNIV OF CALIFORNIA - LOS ANGELES 2474
PLANETARY AND SATELLITE STRUCTURE, DYNAMICS AND EV OLUTION
01/31/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: G SCHUBERT
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11704 UNIV OF CALIFORNIA - LOS ANGELES 2475
THEORETICAL INVESTIGATIONS FOR THE INTERNATIONAL S OLAR-TERRESTRIAL PHYSICS PROGRAM.
02/06/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: A ABDALLA
Tech. Officer: GSFC/S A CURTIS
CASE Category: 13 – PHYSICS

NAG 5 11708 UNIV OF CALIFORNIA - LOS ANGELES 2476
GLOBAL SOLAR OSCILLATIONS AND MAGNETISM FROM SOHO.
02/14/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: R ULRICH
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11823 UNIV OF CALIFORNIA - LOS ANGELES 2477
QUIET EVENING AURORAL ARC AS AN EXEMPLAR OF AN ARC -CURRENT SYSTEM
03/07/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: P L PRITCHETT
Tech. Officer: GSFC/J SHARBER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11826 UNIV OF CALIFORNIA - LOS ANGELES 2478
MECHANISMS RESPONSIBLE FOR THE EARTH'S DIFFUSE AUR ORA
03/07/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: R M THORNE
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11858 UNIV OF CALIFORNIA - LOS ANGELES 2479
OCCURRENCE CHARACTERISTICS OF AURORAL POLEWARD BOU NDARY INTENSIFICATIONS
03/08/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: L R LYONS
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11859 UNIV OF CALIFORNIA - LOS ANGELES 2480
INTERACTIONS OF ICY GALILEAN SATELLITES WITH JUPIT ER'S MAGNETO-SPHERE
03/08/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: K K KHURANA
Tech. Officer: GSFC/J SHARBER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11898 UNIV OF CALIFORNIA - LOS ANGELES 2481
STATISTICAL EXAMINATION OF THE SIGNIFICANCE OF THE APPARENT ASSOCIATION BETWEEN SOLAR WIND TRIGGERS
03/25/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: R L MCPHERRON
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11922 UNIV OF CALIFORNIA - LOS ANGELES 2482
RELATIVISTIC ELECTRON VARIABILITY DURING GEOMAGNET IC STORMS
03/26/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: R M THORNE
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11923 UNIV OF CALIFORNIA - LOS ANGELES 2483
ON THE CONSEQUENCES OF THIN CURRENT SHEETS IN THE MAGNETO-TAIL
03/26/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: M ASHOUR-ABDALLA
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11960 UNIV OF CALIFORNIA - LOS ANGELES 2484
PHOTOCHEMICAL PROCESSES IN COSMIC ICY SYSTEMS
04/04/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: C R WU
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11989 UNIV OF CALIFORNIA - LOS ANGELES 2485
CONSEQUENCES OF ALFVEN WAVES & PARALLEL POTENTIAL DROPS IN THE AURORALZONE
04/10/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: D SCHRIVER
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12006 UNIV OF CALIFORNIA - LOS ANGELES 2486
RING CURRENT MODELING AND ION PRECIPITATION DURING SOLAR MAXIMUM STORMS
04/11/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: R M THORNE
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12007 UNIV OF CALIFORNIA - LOS ANGELES 2487
THE GEO-EFFECTIVENESS OF SOLAR WIND PRESSURE FRONT S
04/11/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: E ZESTAV
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12022 UNIV OF CALIFORNIA - LOS ANGELES 2488
ION CYCLOTRON WAVE MASS SPECTROMETRY OF THE IO ATM OSPHERE.
04/18/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: C T RUSSELL
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12058 UNIV OF CALIFORNIA - LOS ANGELES 2489
COSMOCHEMICAL STUDIES: METEORITES AND THEIR PARENT ASTEROIDS
04/19/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: J WASSON
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12106 UNIV OF CALIFORNIA - LOS ANGELES 2490
MAGNETOSPHERIC CURRENT SYSTEM DURING DISTURBED TIMES
05/09/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: M EL-ALAOUI
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12107 UNIV OF CALIFORNIA - LOS ANGELES 2491
GEOSPACE MODELING WITH ADAPTIVE MESH REFINEMENT
05/09/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: J RAEDER
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12131 UNIV OF CALIFORNIA - LOS ANGELES 2492
UCLA CLUSTER II MISSION PARTICIPATION
04/30/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: D G KIVELSON
Tech. Officer: GSFC/M ACUNA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12177 UNIV OF CALIFORNIA - LOS ANGELES 2493
THE IMPORTANCE OF SOLAR ENGERGETIC ION
05/13/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: R RICHARD
Tech. Officer: GSFC/J SPANN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 12215 UNIV OF CALIFORNIA - LOS ANGELES 2494
PARENT-BODY MODIFICATION OF CHONDRITIC METEORITES
05/16/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: A E RUBIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12357 UNIV OF CALIFORNIA - LOS ANGELES 2495
PALEOBIOCHEMICAL STUDIES OF ANCIENT LIFE
07/02/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: W J SCHOPF
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12528 UNIV OF CALIFORNIA - LOS ANGELES 2496
CONSTRAINING OCEANIC SOURCES & SINKS OF C02 BY INV ERSE MODELING: A FIRSTSTEP TOWARD ASSIMILATION OF
08/26/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: N GRUBER
Tech. Officer: GSFC/C TREES
CASE Category: 33 – OCEANOGRAPHY

NAG 9 1020 UNIV OF CALIFORNIA - LOS ANGELES 2497
GENESIS DISCOVERY MISSION
07/16/1998 - 03/04/2002 FY02: $0 Total: $213,600
Prin. Invest.: K D MCKEEGAN
Tech. Officer: JSC/E K STANSBERY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1252 UNIV OF CALIFORNIA - LOS ANGELES 2498
OPTICAL BIOSENSORS FOR IN FLIGHT MEASUREMENT OF HORMONES LEVELS
08/15/2000 - 07/31/2003 FY02: $0 Total: $87,744
Prin. Invest.: B
Tech. Officer: JSC/C W LLOYD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 4 00051 UNIV OF CALIFORNIA - LOS ANGELES 2499
FORMATION FLIGHT TECHNOLOGY
09/18/2000 - 09/30/2003 FY02: $0 Total: $460,000
Prin. Invest.: J L SPEYER
Tech. Officer: DFRC/G L SPEYER
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 5 00247 UNIV OF CALIFORNIA - LOS ANGELES 2500
DESIGN, FABRICATION, & DELIVERY OF MAGNETOMETER SYSTEM FOR THE ST-5 MISSION.
02/13/2001 - 08/01/2002 FY02: $0 Total: $230,000
Prin. Invest.: R J STRANGEWAY
Tech. Officer: GSFC/A RUSSO
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 5 02100 UNIV OF CALIFORNIA - LOS ANGELES 2501
TIME HISTORY OF EVENTS & MACROSCALE INTERACTION DURING SUB-STORMS (THEMIS) MISSION PHASE A EFFORT
07/03/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: E WRIGHT
Tech. Officer: GSFC/C SAVINELLI
CASE Category: 11 – ASTRONOMY

NAS 9 02036 UNIV OF CALIFORNIA - LOS ANGELES 2502
ADVANCED SECONDARY ION MASS SPECTROMETER FOR SOLAR WIND ANALYSIS
04/09/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: K D MCKEEGAN
Tech. Officer: JSC/E STANSBERY
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 1050 UNIV OF CALIFORNIA - LOS ANGELES 2503
ASTROBIOLOGY UCLA AN INTEGRATED MULTIDISCIPLINARY APPROACH TO RESEARCH & EDUCATION
08/19/1998 - 06/30/2003 FY02: $0 Total: $2,523,373
Prin. Invest.: B RUNNEGAR
Tech. Officer: ARC/R A GRYMES, ARC/W W DOLCI
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1364 UNIV OF CALIFORNIA - LOS ANGELES 2504
CENTER FOR CELL MIMETIC SPACE EXPLORATION CMISE
09/23/2002 - 08/31/2007 FY02: $0 Total: $0
Prin. Invest.: C HO
Tech. Officer: ARC/H PARTRIDGE, ARC/M MEYYAPPAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 3 690 UNIV OF CALIFORNIA - LOS ANGELES 2505
ACOUSTICALLY FORCED CONDENSED PHASE FUEL COMBUSTIO N UNDER MICRGRAVITY CONDITIONS
03/22/1999 - 12/29/2002 FY02: $0 Total: $359,059
Prin. Invest.: O I SMITH
Tech. Officer: GRC/K SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 4 121 UNIV OF CALIFORNIA - LOS ANGELES 2506
FLIGHT SYSTEMS RESEARCH CENTER
02/17/1999 - 10/30/2002 FY02: $0 Total: $3,869,530
Prin. Invest.: A V BALAKRISHNAN
Tech. Officer: SSC/K W IIIFF, SSC/R R MEYER
CASE Category: 49 – ENGINEERING, OTHER

NCC 4 153 UNIV OF CALIFORNIA - LOS ANGELES 2507
FLIGHT SYSTEMS RESEARCH CENTER FLIGHT SYSTEMS RESEARCH CENTER
02/28/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: A BALAKRISHNAN
Tech. Officer: DFRC/K ILIFF
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 301 UNIV OF CALIFORNIA - LOS ANGELES 2508
EARTH PARTNERS' PRIVATE NETWORK
04/03/1998 - 12/31/2002 FY02: $0 Total: $2,443,600
Prin. Invest.: R MUNTZ
Tech. Officer: GSFC/M MAIDEN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 385 UNIV OF CALIFORNIA - LOS ANGELES 2509
REMOTE SENSING OF CIRRUS CLOUDS AND RADIATION EFFE CTS IN THE EVOLUTION OF CIRRUS CLOUDS
04/01/1999 - 04/14/2002 FY02: $0 Total: $75,000
Prin. Invest.: K N LIOU
Tech. Officer: GSFC/W LAU
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 624 UNIV OF CALIFORNIA - LOS ANGELES 2510
HIGH-PERFORMANCE ADAPTIVE SIMULATION FRAMEWORK FOR SPACE-WEATHER MODELING (SWMF)
04/30/2002 - 04/29/2005 FY02: $0 Total: $0
Prin. Invest.: C MECHOSO
Tech. Officer: GSFC/J FISCHER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NGT 1 01039 UNIV OF CALIFORNIA - LOS ANGELES 2511
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) YR.2
08/29/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: G CARMEN
Tech. Officer: LARC/R G BRYANT
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52240 UNIV OF CALIFORNIA - LOS ANGELES 2512
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/10/2000 - 06/30/2001 FY02: $0 Total: $22,001
Prin. Invest.: G P CARMEN
Tech. Officer: LARC/R G BRYANT, LARC/J S HARRISON
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 2 52265 UNIV OF CALIFORNIA - LOS ANGELES 2513
EFFECT OF SIMULATED MICROGRAVITY ON NT-3 EXPRESSIO N IN PROP-RIOCEPTIVE AFFERENT NEURONS IN RATS
07/14/2000 - 08/31/2002 FY02: $0 Total: $44,000
Prin. Invest.: V R EDGERTON, A J BIGBEE
Tech. Officer: ARC/R E GRINDELAND, ARC/E M HOLTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 2 52289 UNIV OF CALIFORNIA - LOS ANGELES 2514
MARTIAN IMPACT CRATER LAKES: GEOPHYSICAL MODELING AND IN SITU INVESTIGATIONOF TERRESTRIAL ANALOGS
06/13/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: D A PAIGE
Tech. Officer: ARC/C P MCKAY
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 5 112 UNIV OF CALIFORNIA - LOS ANGELES 2515
DECENTRALIZED CONTROL OF DISTRIBUTED SATELLITE NET WORKS, GSRP TRAINING GRANT. STUDENT: GENE BELAN
08/18/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J L SPEYER
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 117 UNIV OF CALIFORNIA - LOS ANGELES 2516
COMBINING SPACE AND GROUND BASED PLASMASPHERIC OBSERVA-TIONS FOR UNDERSTANDING PLASMA MASS DENSITY
06/04/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: M MOLDWIN
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 30338 UNIV OF CALIFORNIA - LOS ANGELES 2517
ESTIMATION OF THE TERRESTRIAL CARBON POOL & HYDROL OGIC SENSITIVITY OF THE WEST SIBERIAN LOWLAND/STU
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: L SMITH
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30372 UNIV OF CALIFORNIA - LOS ANGELES 2518
AN INVEST. OF CLOUD FEATURES IN HIGH-RESOL. INFRAR ED EMISSION SPECTRA: UNDERSTANDING RADIATIVE EFF
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: A ELDERING
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30435 UNIV OF CALIFORNIA - LOS ANGELES 2519
MODELING OF ARCTIC RIVER ICE BREAKUP USING SAR IMA GERY. STUDENT: TAMLINM.PAVELSKY
08/16/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: L SMITH
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50187 UNIV OF CALIFORNIA - LOS ANGELES 2520
A SEARCH FOR GIANT PLANETS ORBITING NEARBY STARS
05/27/1998 - 06/30/2001 FY02: $0 Total: $65,625
Prin. Invest.: B ZUCKERMAN
Tech. Officer: GSFC/K BLANDING
CASE Category: 11 – ASTRONOMY

NGT 5 50220 UNIV OF CALIFORNIA - LOS ANGELES 2521
HEALTH MGMT SYSTEM DESIGN & INTELLIGENT CONTROL OF FUTURE MINIATURE AUTONOMOUS SPACECRAFTS UTIL
09/23/1998 - 09/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: P WANG, ESHAGHI
Tech. Officer: HQ/S MCGEE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50310 UNIV OF CALIFORNIA - LOS ANGELES 2522
PROXIMO-DISTAL PATTERING IN MOLLUSCS AND ANNELIDS: IMPLICATIONS FOR LIMB EVOLUTION-STUDENT: SHANNON
07/07/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: D K JACOBS
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50332 UNIV OF CALIFORNIA - LOS ANGELES 2523
A STUDY OF UNRESOLVED ISSUES REGARDING STRATOSPHER IC AERO-SOL FORMATION, EVOLUTION & COMPOSITION BY
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: R TURCO
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50359 UNIV OF CALIFORNIA - LOS ANGELES 2524
CASSINI MEASUREMENT OF MAGNETIC FIELDS WITHIN 2 SOLAR RADII STUDENT: ELIZABETH JENSEN
05/23/2001 - 08/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: C RUSSELLI
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50395 UNIV OF CALIFORNIA - LOS ANGELES 2525
DETECTION OF YOUNG SUBSTELLAR OBJECTS USING FLITEC AM STUDENT: AMANDA MAINZER
06/05/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: I MCLEAN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 5116 UNIV OF CALIFORNIA - RIVERSIDE 2526
THE TIGRE INSTRUMENT FOR INTERMEDIATE - ENERGY GAMMA-RAY ASTRONOMY FROM 0.3 TO 100MEV
04/09/1997 - 04/30/2002 FY02: $0 Total: $1,761,528
Prin. Invest.: A D ZYCH
Tech. Officer: GSFC/H C NEEDLEMAN, GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5118 UNIV OF CALIFORNIA - RIVERSIDE 2527
AN ARCSECOND RESOLUTION: AXGAM
04/09/1997 - 06/30/2001 FY02: $0 Total: $600,000
Prin. Invest.: O T TUMER
Tech. Officer: GSFC/H C NEEDLEMAN, GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5211 UNIV OF CALIFORNIA - RIVERSIDE 2528
ULDB COMPTON TELESCOPE MISSION ULDB COMPTON TELESCOPE MISSION
09/17/1998 - 06/30/2002 FY02: $0 Total: $70,067
Prin. Invest.: A D ZYCHE
Tech. Officer: WFF/A B MERRITT
CASE Category: 11 – ASTRONOMY

NAG 5 5288 UNIV OF CALIFORNIA - RIVERSIDE 2529
A HIGH RESOLUTION ALL-SKY X-RAY & GAMMA-RAY MONITOR (AXGAM)
05/31/2000 - 05/17/2003 FY02: $0 Total: $119,400
Prin. Invest.: T O TUMER
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 8682 UNIV OF CALIFORNIA - RIVERSIDE 2530
SPACE-TIME DYNAMICS OF SOIL MOISTURE & TEMPERATURE -SCALE ISSUES
07/15/1999 - 11/30/2001 FY02: -$104,082 Total: $166,258
Prin. Invest.: B P MOHANTY
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9812 UNIV OF CALIFORNIA - RIVERSIDE 2531
NON-ENZYMATIC OLIGOMERIZATION OF MONONUCLEOTIDES USING NON-STANDARD OLIGONUCLEOTIDE TEMPLATES
07/19/2000 - 07/14/2003 FY02: $0 Total: $135,940
Prin. Invest.: C Y SWITZER
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10932 UNIV OF CALIFORNIA - RIVERSIDE 2532
PARTICLE ACCELERATION AND TRANSPORT
05/30/2001 - 06/30/2004 FY02: $0 Total: $123,311
Prin. Invest.: G ZANK
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11393 UNIV OF CALIFORNIA - RIVERSIDE 2533
COMPOSITION AND ABUNDANCE RATIOS OF ANOMALOUS AND GALACTIC COSMIC RAYS: IMPLICATIONS OF ACE OBSERVAT
11/13/2001 - 12/31/2001 FY02: $0 Total: $0
Prin. Invest.: G P ZANK
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 11604 UNIV OF CALIFORNIA - RIVERSIDE 2534
THE HELIOSPERIC TERMINATION SHOCK STRUCTURE
01/22/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: J LE ROUX
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11621 UNIV OF CALIFORNIA - RIVERSIDE 2535
THE INTERACTION OF THE SUN AND THE GALAXY
01/22/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: G ZANK
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 12382 UNIV OF CALIFORNIA - RIVERSIDE 2536
OUTREACH PROJECT FOR XMM
07/25/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: C FOSTER
Tech. Officer: GSFC/NWHITE
CASE Category: 11 – ASTRONOMY

NAG 5 12390 UNIV OF CALIFORNIA - RIVERSIDE 2537
POSTLAUNCH: STATEMENT OF WORK U.S. OPTICAL MONITOR TEAM
07/25/2002 - 07/31/2004 FY02: $0 Total: $0
Prin. Invest.: F CORDOVA
Tech. Officer: GSFC/N WHITE
CASE Category: 11 – ASTRONOMY

NAG 1 2044 UNIV OF CALIFORNIA - SAN DIEGO 2538
RADIATIVE CHARACTER'S OF THE SURFACE & CLOUDS IN THE ARCTIC USING RESEARCH AIRCRAFT--NRA-94-MTPE-04
04/03/1998 - 03/31/2003 FY02: $0 Total: $418,823
Prin. Invest.: F P VALERO, S K POPE, P J FLATAU
Tech. Officer: LARC/D S MCDOUGAL, LARC/J RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02028 UNIV OF CALIFORNIA - SAN DIEGO 2539
MODELING COMPRESSIBILITY EFFECTS IN HIGH-SPEED TURBULENT FLOWS
12/27/2001 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: S SARKA
Tech. Officer: LARC/T B GATSKI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02092 UNIV OF CALIFORNIA - SAN DIEGO 2540
ULTRASONIC MEASUREMENT OF INTRACRANIAL PRESSURE WAVEFORMS
05/01/2002 - 05/14/2004 FY02: $0 Total: $0
Prin. Invest.: A R HARGENS, T UENO
Tech. Officer: LARC/F H FARMER, LARC/W T YOST
CASE Category: 56 – MEDICL

NAG 2 1313 UNIV OF CALIFORNIA - SAN DIEGO 2541
THE DEVELOPMENT OF PILOR EXPERTISE IN THE AIRBUS A 320 AIRCRAFT
04/01/1999 - 06/30/2002 FY02: $0 Total: $297,084
Prin. Invest.: E L HUTCHINS
Tech. Officer: ARC/S M CASNER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1376 UNIV OF CALIFORNIA - SAN DIEGO 2542
EVOLUTION OF NEURAL CREST & PLACODES: AMPHIOXUS A S A MODEL FOR THE ANCESTROOF THE VERTEBRATES
08/17/1999 - 06/30/2003 FY02: $0 Total: $188,632
Prin. Invest.: L Z HOLLAND
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2117 UNIV OF CALIFORNIA - SAN DIEGO 2543
DYNAMICS OF ACCELERATED INTERFACES: PARAMETRIC EXC ITATION AND FLUID SLOSHINGIN CLOSED CONTAINERS A
01/28/1998 - 12/18/2002 FY02: $0 Total: $233,000
Prin. Invest.: C POZRIKIDIS
Tech. Officer: GRC/J R SKARDA
CASE Category: 13 – PHYSICS

NAG 3 2465 UNIV OF CALIFORNIA - SAN DIEGO 2544
VIBRATORY DYNAMICS AND TRANSPORT OF GRANULAR MEDIA AT VARIOUS G LEVELS
06/19/2000 - 11/30/2003 FY02: $0 Total: $126,000
Prin. Invest.: J D GODDARD
Tech. Officer: GRC/M E HILL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2554 UNIV OF CALIFORNIA - SAN DIEGO 2545
STRETCHED DIFFUSION FLAMES IN VON KARMAN SWIRLING FLOWS
03/15/2001 - 11/30/2004 FY02: $0 Total: $9,900
Prin. Invest.: F WILLIAMS
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 4023 UNIV OF CALIFORNIA - SAN DIEGO 2546
ADVANCED GLOBAL ATMOSPHERIC GASES EXPERIMENT (AGAG
03/25/1997 - 12/31/2002 FY02: $0 Total: $2,337,919
Prin. Invest.: R F WEISS
Tech. Officer: GSFC/M J KURYLO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4546 UNIV OF CALIFORNIA - SAN DIEGO 2547
NASA SPECIALIZED CENTER OF RESEARCH AND TRAINING I THE CHEMISTRY OF EARLY SELF-REPLICATING SYSTEMS
05/06/1997 - 03/31/2003 FY02: $0 Total: $4,716,000
Prin. Invest.: P L BADA
Tech. Officer: HQ/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 4574 UNIV OF CALIFORNIA - SAN DIEGO 2548
METEORITIC SULFUR ISOTOPIC ANALYSIS
07/07/1997 - 02/28/2002 FY02: $0 Total: $172,000
Prin. Invest.: D H THIEMENS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4775 UNIV OF CALIFORNIA - SAN DIEGO 2549
AN INTEGRATED SYSTEM FOR WATER BUDGET CLOSURE OVER MASS: A TRMM VALIDATION EFFORT
07/15/1997 - 06/30/2001 FY02: $0 Total: $173,000
Prin. Invest.: J O ROADS
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4938 UNIV OF CALIFORNIA - SAN DIEGO 2550
MICRO-DETECTION SYSTEM FOR DETERMINATION OF THE BI OF AMINO ACIDS
06/23/1997 - 05/31/2001 FY02: $0 Total: $130,000
Prin. Invest.: P L BADA
Tech. Officer: GSFC/B CAMPBELL
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 5266 UNIV OF CALIFORNIA - SAN DIEGO 2551
CRYOGENIC WHOLE AIR SAMPLING OF CARBON DIOXIDE IN THE UPPER ATMOSPHERE
06/01/2000 - 05/24/2003 FY02: $0 Total: $106,600
Prin. Invest.: M H THIEMENS
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5287 UNIV OF CALIFORNIA - SAN DIEGO 2552
BALLOON-BORNE HIGH ENERGY X-RAY IMAGING SPECTROMETER (HEXIS) BASED ON CZT TECHNOLOGY
05/31/2000 - 05/17/2003 FY02: $0 Total: $145,000
Prin. Invest.: J L MATTESON
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5332 UNIV OF CALIFORNIA - SAN DIEGO 2553
FULL FUNDING FOR THE 1ST YEAR, GRANT AMOUNT IS 70K , PI:LINGENFELTER TITLE: NEW THEORETICAL STUD
05/30/2001 - 02/28/2004 FY02: $0 Total: $70,000
Prin. Invest.: D LINGENFELTER
Tech. Officer: WFF/B MERRITT
CASE Category: 11 – ASTRONOMY

NAG 5 5349 UNIV OF CALIFORNIA - SAN DIEGO 2554
POSITION-SENSITIVE CZT DETECTORS FOR GAMMA-RAY AST ROPHYSICS
01/16/2002 - 01/07/2005 FY02: $0 Total: $0
Prin. Invest.: J MATTESON
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5386 UNIV OF CALIFORNIA - SAN DIEGO 2555
IDENTIFICATION OF THE IMPORTANT PARAMETERS DESCRIB ING THE SHEAR STRESS ACTING ON THE BLOOD VESSEL
09/12/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: D HUANG
Tech. Officer: WFF/S LONG
CASE Category: 33 – OCEANOGRAPHY

NAG 5 6149 UNIV OF CALIFORNIA - SAN DIEGO 2556
OCEAN TIDE LOADING COMPUTATION
08/21/1997 - 08/31/2001 FY02: $0 Total: $41,810
Prin. Invest.: D C AGNEW
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6202 UNIV OF CALIFORNIA - SAN DIEGO 2557
EFFECTS OF WHITECAPS ON SATELLITE-DERIVED OCEAN COLOR
10/02/1997 - 12/31/2000 FY02: $0 Total: $490,000
Prin. Invest.: R FROUIN
Tech. Officer: GSFC/J A YODER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6375 UNIV OF CALIFORNIA - SAN DIEGO 2558
BIOGEOCHEMICAL RESPONSE TO MESOSCALE PHYSICAL FORC ING IN THE CALIFORNIA CURRENT SYSTEM
10/03/1997 - 03/31/2001 FY02: $0 Total: $424,978
Prin. Invest.: P NILLER
Tech. Officer: GSFC/J A YODER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 6414 UNIV OF CALIFORNIA - SAN DIEGO 2559
MODELING UV-B EFFECTS ON PRIMARY PRODUCTION THROUG HOUT THE SOUTHERN OCEAN USING MULTI-SENSOR SA
10/29/1997 - 10/31/2001 FY02: $0 Total: $396,868
Prin. Invest.: D LUBIN
Tech. Officer: GSFC/K ARRIGO
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 5 6466 UNIV OF CALIFORNIA - SAN DIEGO 2560
OPTICAL AND ANCILLARY MEASUREMENTS AT HIGH LATITUD ES IN SUPPORT OF THE MODIS OCEAN VALIDATION
11/04/1997 - 09/30/2002 FY02: $0 Total: $224,288
Prin. Invest.: D STRAMSKI
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6497 UNIV OF CALIFORNIA - SAN DIEGO 2561
PREDICTABILITY OF THE CALIFORNIA CURRENT SYSTEM
10/08/1997 - 10/14/2001 FY02: $0 Total: $633,198
Prin. Invest.: D MILLER
Tech. Officer: GSFC/E LINDSTORM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6559 UNIV OF CALIFORNIA - SAN DIEGO 2562
SEASONAL TO DECADAL-SCALE VARIABILITY IN SATELLITE OCEAN COLOR AND SEA SURFACE TEMPERATURE FOR THE
10/27/1997 - 04/30/2001 FY02: $0 Total: $352,860
Prin. Invest.: B MITCHELL
Tech. Officer: GSFC/J YODER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6668 UNIV OF CALIFORNIA - SAN DIEGO 2563
SOUTHERN OCEAN SEASONAL NET PRODUCTION FROM ATMOSP HERE AND OCEAN DATASETS
11/26/1997 - 06/30/2001 FY02: $0 Total: $311,173
Prin. Invest.: R F KEELING
Tech. Officer: GSFC/J CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6931 UNIV OF CALIFORNIA - SAN DIEGO 2564
EQUATOR-S: MISSION OPERATIONS & DATA ANALYSIS PHASE
02/02/1998 - 01/31/2001 FY02: $0 Total: $120,202
Prin. Invest.: C E MCILWAIN
Tech. Officer: GSFC/M HESSE
CASE Category: 13 – PHYSICS

NAG 5 6947 UNIV OF CALIFORNIA - SAN DIEGO 2565
NUMERICAL AND ANALYTICAL STUDIES OF THE SHOCKED SO LAR WIND INTERACTION WITH THE DAYSIDE MANTLE OF V
02/26/1998 - 03/31/2002 FY02: $0 Total: $235,914
Prin. Invest.: K QUEST
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 7096 UNIV OF CALIFORNIA - SAN DIEGO 2566
ANOMALOUS HEAT BUDGETS IN INTERIOR PACIFIC OCEAN ON SEASONAL TO INTERANNUAL TIMESCALES
05/27/1998 - 09/30/2002 FY02: $0 Total: $379,886
Prin. Invest.: W WHITE
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 7100 UNIV OF CALIFORNIA - SAN DIEGO 2567
OPTICAL MEASUREMENTS AND MODELING TO ESTIMATE CONC ENTRA-TIONS AND FLUXES OF ORGANIC MATTER IN THE SO
06/04/1998 - 05/31/2001 FY02: $0 Total: $469,864
Prin. Invest.: D STRAMSKI
Tech. Officer: GSFC/J W CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7119 UNIV OF CALIFORNIA - SAN DIEGO 2568
ANALYSIS OF SKY FLUCTUATIONS FROM HEXTE III; EXAMI NATION OF THE CYCLOTRON LINES IN THE SPECTRUM OF
04/16/1998 - 03/31/2001 FY02: $0 Total: $26,128
Prin. Invest.: D E GRIBER
Tech. Officer: GSFC/K SWANK
CASE Category: 11 – ASTRONOMY

NAG 5 7362 UNIV OF CALIFORNIA - SAN DIEGO 2569
ASCA PROPOSAL - ASCA AND HST OBSERVATIONS OF BL LA C 0236+164 AND THE INTERVENING SYSTEM
05/05/1998 - 04/30/2002 FY02: $0 Total: $14,000
Prin. Invest.: R D COHEN
Tech. Officer: GSFC/N WHITE
CASE Category: 11 – ASTRONOMY

NAG 5 7612 UNIV OF CALIFORNIA - SAN DIEGO 2570
IMPROVED SPECTRAL CHARACTERIZATION OF THE GEOMAGNE TIC FIELD (SENH98-0124)
07/24/1998 - 05/31/2002 FY02: $0 Total: $224,000
Prin. Invest.: R L PARKER
Tech. Officer: GSFC/H B FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7614 UNIV OF CALIFORNIA - SAN DIEGO 2571
FUNDING FOR ″EARTH CONDUCTIVITY FROM SATELLITE MAG NETIC DATA″ (SENH98-0123)
07/24/1998 - 07/14/2002 FY02: $0 Total: $254,000
Prin. Invest.: C G CONSTABLE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7637 UNIV OF CALIFORNIA - SAN DIEGO 2572
CO2 BUDGET AND ATMOSPHERIC RECTIFICATION OVER NORT H AMERICA (CO2BAR)
11/30/1998 - 11/30/2002 FY02: $0 Total: $65,000
Prin. Invest.: R F KEELING
Tech. Officer: GSFC/D E WICKLANS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7653 UNIV OF CALIFORNIA - SAN DIEGO 2573
QUANTITATIVE ASSESSMENT OF THE INTEGRATED RESPONSE IN GLOBAL HEAT AND MOISTURE BUDGETS TO CHANGIN
08/25/1998 - 08/31/2001 FY02: $0 Total: $210,000
Prin. Invest.: W WHITE
Tech. Officer: HQ/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 8167 UNIV OF CALIFORNIA - SAN DIEGO 2574
FRAGMENTARY SOLAR SYSTEM HISTORY
02/10/1999 - 01/31/2003 FY02: $0 Total: $359,000
Prin. Invest.: D MARTI
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8172 UNIV OF CALIFORNIA - SAN DIEGO 2575
ISOTOPIC, CHEMICAL AND MINERALOGICAL INVESTIGATION S OF EXTRA-TERRESTRIAL MATERIALS
02/24/1999 - 02/28/2003 FY02: $0 Total: $775,000
Prin. Invest.: G W LUNGMAIR
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8180 UNIV OF CALIFORNIA - SAN DIEGO 2576
ADVANCED GLOBAL ATMOSPHERIC GASES EXPERIMENT (AGAG E)
02/12/1999 - 12/31/2002 FY02: $0 Total: $264,192
Prin. Invest.: R F WEISS
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8252 UNIV OF CALIFORNIA - SAN DIEGO 2577
ANTARCTIC ULTRAVIOLET RADIATION CLIMATOLOGY FROM THE TOTAL ZONE MAPPING SPECTROMETER
02/19/1999 - 02/28/2003 FY02: $0 Total: $285,000
Prin. Invest.: D LUBIN
Tech. Officer: GSFC/J R HERMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8272 UNIV OF CALIFORNIA - SAN DIEGO 2578
A SEARCH FOR EXTRASOLAR PLANETS IN OPEN CLUSTERS
03/05/1999 - 02/28/2002 FY02: $0 Total: $133,400
Prin. Invest.: D GUIRRENBACK
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8292 UNIV OF CALIFORNIA - SAN DIEGO 2579
SEASONAL ATMOSPHERIC AND OCEANIC PREDICTIONS
02/25/1999 - 02/28/2003 FY02: $0 Total: $420,000
Prin. Invest.: J O ROADS
Tech. Officer: GSFC/M REINECKER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8322 UNIV OF CALIFORNIA - SAN DIEGO 2580
BAYESIAN HIERARCHICAL AIR-SEA INTERACTION MODELLIN G: APPLICA-TION TO THE LABRADOR SEA
04/13/1999 - 05/31/2002 FY02: $0 Total: $62,574
Prin. Invest.: P NILER
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8351 UNIV OF CALIFORNIA - SAN DIEGO 2581
THE APPLICATION OF JASON-1 MEASUREMENTS TO ESTIMAT E THE GLOBAL NEAR SURFACE OCEAN CIRCULATION F
03/01/1999 - 03/31/2003 FY02: $0 Total: $354,000
Prin. Invest.: P P NIILER
Tech. Officer: GSFC/C KOBLINSKY
CASE Category: 33 – OCEANOGRAPHY

NAG 5 8498 UNIV OF CALIFORNIA - SAN DIEGO 2582
THE HIGH ENERGY X-RAY IMAGING SURVEY (HEXIS)
05/27/1999 - 05/31/2002 FY02: $0 Total: $755,000
Prin. Invest.: R E ROTHSCHILD
Tech. Officer: GSFC/L KALUZIENSKI
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 8504 UNIV OF CALIFORNIA - SAN DIEGO 2583
RECONSTRUCTION OF THE PLASMA DISTRIBUTION IN CORON A AND HELIOSPHERER
05/11/1999 - 04/30/2003 FY02: $0 Total: $249,053
Prin. Invest.: B V JACKSON
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 8551 UNIV OF CALIFORNIA - SAN DIEGO 2584
ORGANIC CONSTITUENTS OF SHORT-PERIOD COMETS
06/04/1999 - 05/31/2003 FY02: $0 Total: $144,722
Prin. Invest.: M N FOMENKOVA
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8623 UNIV OF CALIFORNIA - SAN DIEGO 2585
NUMERICAL CLIMATE OBSERVING NETWORK DESIGN STUDY
08/09/1999 - 08/31/2003 FY02: $0 Total: $341,722
Prin. Invest.: D STAMMER
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8731 UNIV OF CALIFORNIA - SAN DIEGO 2586
ADVANCED CADMIUM-ZINC-TELLURIDE DETECTORS FOR RESE ARCH IN ASTROPHYSICS
08/17/1999 - 08/14/2003 FY02: $0 Total: $260,577
Prin. Invest.: J L MATTESON
Tech. Officer: GSFC/F A HERRERO
CASE Category: 11 – ASTRONOMY

NAG 5 8768 UNIV OF CALIFORNIA - SAN DIEGO 2587
DYNAMIC HUMAN-CENTERED INTERFACES: MONITORING ATTE NTIONAL PROCESSES IN CONTROL OF CRITICAL SYSTEMS
08/26/1999 - 08/31/2001 FY02: $0 Total: $315,345
Prin. Invest.: T JUNG
Tech. Officer: GSFC/R CROUCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8780 UNIV OF CALIFORNIA - SAN DIEGO 2588
ROUTINE HIGH-RESOLUTION, ATMOSPHERIC FORCAST/ANALY SIS MODEL-ING SYSTEMS FOR THE PACIFIC DISASTER CE
08/30/1999 - 08/31/2001 FY02: $0 Total: $575,555
Prin. Invest.: J ROADS
Tech. Officer: GSFC/E PAYLOR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8901 UNIV OF CALIFORNIA - SAN DIEGO 2589
ESTIMATING THE OCEAN FLOW FIELD FROM COMBINED SEA SURFACE TEMPERATURE AND SEASURFACE HEIGHT DATA
01/04/2000 - 01/14/2002 FY02: $0 Total: $161,672
Prin. Invest.: D STAMMER
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 9005 UNIV OF CALIFORNIA - SAN DIEGO 2590
ANALYSIS AND INTERPRETATION OF NEAR XGRS DATA
01/27/2000 - 01/31/2002 FY02: $0 Total: $15,000
Prin. Invest.: J R ARNOLD
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9036 UNIV OF CALIFORNIA - SAN DIEGO 2591
MEASUREMENT OF ELECTRIC FIELDS WITH MULTIPLE SPREAD ELECTRON BEAMS
02/10/2000 - 02/14/2002 FY02: $0 Total: $92,500
Prin. Invest.: C MCILWAIN
Tech. Officer: GSFC/J SHARBER
CASE Category: 11 – ASTRONOMY

NAG 5 9122 UNIV OF CALIFORNIA - SAN DIEGO 2592
PROBING THE SPECTRAL EVOLUTION OF PARTICLES IN THE BLAZAR MKN 421_ ADP99
03/07/2000 - 10/31/2001 FY02: $0 Total: $49,592
Prin. Invest.: D FOSSATI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9224 UNIV OF CALIFORNIA - SAN DIEGO 2593
COSMOLOGICAL PARAMETERS FROM THE LYMAN-ALPHA FOREST (LTSA 99)
03/14/2000 - 03/14/2003 FY02: $0 Total: $87,973
Prin. Invest.: D TYTLER
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9247 UNIV OF CALIFORNIA - SAN DIEGO 2594
THERMAL & NONTHERMAL COMPONENTS IN THE SPECTRA OF A2319 & A1367 FROM RXTE & SAX OBSERVATIONS (ADP 99
03/14/2000 - 03/14/2002 FY02: $0 Total: $49,739
Prin. Invest.: Y REPHAELI
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9314 UNIV OF CALIFORNIA - SAN DIEGO 2595
3-D GLOBAL KINETIC SIMULATIONS OF SOLAR WIND INTER ACTION WITH ASTEROIDS:DETERMINATION OF MAGNETIC P
03/23/2000 - 09/14/2001 FY02: $0 Total: $89,723
Prin. Invest.: N OMIDI
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9423 UNIV OF CALIFORNIA - SAN DIEGO 2596
TOMOGRAPHIC ANALYSIS AND VISUALIZATION OF REMOTELY -SENSED HELIOSPHERIC DATA
04/13/2000 - 04/30/2003 FY02: $0 Total: $197,400
Prin. Invest.: B V JACKSON
Tech. Officer: GSFC/P HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9506 UNIV OF CALIFORNIA - SAN DIEGO 2597
THE PIXON METHOD FOR DATA COMPRESSION, IMAGE CLASS IFICATION, AND IMAGE RECONSTRUCTION
04/26/2000 - 04/30/2002 FY02: $0 Total: $100,000
Prin. Invest.: R P PUETTER
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9566 UNIV OF CALIFORNIA - SAN DIEGO 2598
EMERGENCE OF RNA AND EARLY LIFE; EXPERIMENTAL MODE LING AND GEOCHEMICAL CONSTRAINTS
05/05/2000 - 05/14/2001 FY02: $0 Total: $80,000
Prin. Invest.: G ARRHENIUS
Tech. Officer: GSFC/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 9623 UNIV OF CALIFORNIA - SAN DIEGO 2599
TOPOGRAPHIC RECOVERY FROM SPACEBORN RADAR & LASED RANGING: VALIDATION & INVESTIGATION OF PLATE BOUN
06/12/2000 - 05/31/2003 FY02: $0 Total: $80,000
Prin. Invest.: D T SANDWELL
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICALSCIENCE

NAG 5 9659 UNIV OF CALIFORNIA - SAN DIEGO 2600
MICRO-DETECTION SYSTEM FOR DETERMINATION OF THE BIOTIC OR ABIOTIC ORIGINOF AMINO ACIDS
05/31/2000 - 05/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: J L BADA
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 9679 UNIV OF CALIFORNIA - SAN DIEGO 2601
ISOTOPIC FRACTIONATION PROCESSES DURING PRE-SOLAR GRAIN FORMATION
06/15/2000 - 06/14/2001 FY02: $0 Total: $35,000
Prin. Invest.: M H THIEMENS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9721 UNIV OF CALIFORNIA - SAN DIEGO 2602
A PHYSICALLY BASED APPROACH TO CONSTRUCTION OF A CLIMATE-QUALITY SST RECORD FROM COMPLEMENTARY SP
06/22/2000 - 06/30/2003 FY02: $0 Total: $270,000
Prin. Invest.: J J SIMPSON
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9788 UNIV OF CALIFORNIA - SAN DIEGO 2603
OCEAN CARBON FLUX: TRANSPORTS & BURIAL WITHIN THE WESTERN & EASTERN U.S. COASTAL ZONES
07/28/2000 - 07/31/2003 FY02: $0 Total: $191,250
Prin. Invest.: A MILLER
Tech. Officer: GSFC/E LINSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9825 UNIV OF CALIFORNIA - SAN DIEGO 2604
RXTE OBSERVATIONS OF AGN (ADP 99)
08/15/2000 - 08/14/2001 FY02: $0 Total: $20,000
Prin. Invest.: P R BLANCO
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10065 UNIV OF CALIFORNIA - SAN DIEGO 2605
INVESTIGATING THE GROUNDING ZONE & TIDAL RESPONSE OF THE AMERY ICE SHELF, EAST ANTARCTICA, USING
11/20/2000 - 11/30/2003 FY02: $0 Total: $63,619
Prin. Invest.: D SANDWELL
Tech. Officer: GSFC/K PARTINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10276 UNIV OF CALIFORNIA - SAN DIEGO 2606
SEASONAL TO DECADAL-SCALE VARIABILITY IN SATELLITE OCEAN COLOR & SEA SURFACE TEMPERATURE FOR CALIFOR
01/19/2001 - 04/30/2002 FY02: $0 Total: $111,000
Prin. Invest.: B MITCHELL
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10487 UNIV OF CALIFORNIA - SAN DIEGO 2607
ISOTOPIC FRACTIONATION PROCESSES DURING PRE-SOLAR GRAIN FORMATION
02/27/2001 - 04/30/2004 FY02: $0 Total: $35,000
Prin. Invest.: M H THIEMENS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10644 UNIV OF CALIFORNIA - SAN DIEGO 2608
PENETRATION OF UV RADIATION IN THE EARTH'S OCEANS (YR 1 OF 3)
03/21/2001 - 03/31/2004 FY02: $0 Total: $87,554
Prin. Invest.: G MITCHELL
Tech. Officer: GSFC/J R HERMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10667 UNIV OF CALIFORNIA - SAN DIEGO 2609
NITROGEN, CARBON AND PHOSPHATE IN THE OLDEST PRESE RVED CRUST OF THE EARTH
03/21/2001 - 03/31/2004 FY02: $0 Total: $125,500
Prin. Invest.: G ARRHENIUS
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10669 UNIV OF CALIFORNIA - SAN DIEGO 2610
NATIONAL SUMMIT ON INNOVATION WEBCAST
03/23/2001 - 03/31/2002 FY02: $0 Total: $94,285
Prin. Invest.: E FURTEK
Tech. Officer: GSFC/J GASCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10691 UNIV OF CALIFORNIA - SAN DIEGO 2611
A UNIFORM STUDY OF X-RAY PULSAR MAGNETIC FIELDS
04/09/2001 - 04/14/2003 FY02: $0 Total: $67,669
Prin. Invest.: W HEINDL
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10737 UNIV OF CALIFORNIA - SAN DIEGO 2612
TIME SERIES OF CONTINUOUS MEASUREMENTS OF ATMOSPHE RIC O2 AND CO2 CONCENTRATIONS FOR ELUCIDATING
04/20/2001 - 04/30/2004 FY02: $0 Total: $238,308
Prin. Invest.: R KEELING
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 10871 UNIV OF CALIFORNIA - SAN DIEGO 2613
NONTHERMAL PHENOMENA IN CLUSTERS OF GALAXIES (LTSA 2000)
05/10/2001 - 05/31/2006 FY02: $0 Total: $58,954
Prin. Invest.: Y REPHAELI
Tech. Officer: GSFC/R OLIVERSON
CASE Category: 11 – ASTRONOMY

NAG 5 10874 UNIV OF CALIFORNIA - SAN DIEGO 2614
SOLAR WIND FLOWS FROM ACTIVE REGIONS
05/14/2001 - 02/28/2003 FY02: $0 Total: $80,102
Prin. Invest.: P HICK
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10886 UNIV OF CALIFORNIA - SAN DIEGO 2615
STATE TRANSITIONS AND QPOS IN X-RAY TRANSIENTS (ADP 00)
05/03/2001 - 11/30/2002 FY02: $0 Total: $37,558
Prin. Invest.: J TOMSICK
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10968 UNIV OF CALIFORNIA - SAN DIEGO 2616
THE RESPONSE TO CZT DETECTORS TO X-RAYS
06/06/2001 - 06/14/2002 FY02: $0 Total: $51,827
Prin. Invest.: R E ROTHSCHILD
Tech. Officer: GSFC/F HERRERO
CASE Category: 11 – ASTRONOMY

NAG 5 10993 UNIV OF CALIFORNIA - SAN DIEGO 2617
KINETIC INTERACTION OF THE PLASMA MANTLES OF UNMAGNETIZED PLANETS WITH THE SOLAR WIND
05/31/2001 - 05/31/2002 FY02: $0 Total: $39,000
Prin. Invest.: K QUEST
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11123 UNIV OF CALIFORNIA - SAN DIEGO 2618
MODEL HELIOSPHERIC DISTURBANCE PROPAGATION USING REMOTE SENSING OBSERVATIONS
07/18/2001 - 07/14/2002 FY02: $0 Total: $100,000
Prin. Invest.: B V JACKSON
Tech. Officer: GSFC/W J WAGNER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11217 UNIV OF CALIFORNIA - SAN DIEGO 2619
USE OF ATMOSPHERIC CO2, VEGATATIVE INDEX, AND DAIL Y CLIMATIC DATA IN A COORDINATED DIAGNOSTIC INVE
08/13/2001 - 08/31/2004 FY02: $0 Total: $241,182
Prin. Invest.: C KEELING
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11554 UNIV OF CALIFORNIA - SAN DIEGO 2620
FRAGMENTARY SOLAR SYSTEM HISTORY
01/09/2002 - 01/14/2003 FY02: $0 Total: $0
Prin. Invest.: K MARTI
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11563 UNIV OF CALIFORNIA - SAN DIEGO 2621
GEOPHYSICAL INVESTIGATIONS OF THE TERRESTRIAL PLAN ETS
01/17/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: C L JOHNSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11599 UNIV OF CALIFORNIA - SAN DIEGO 2622
EVALUATION OF HYDROLOGIC REMOTE SENSING OBSERVATIO NS FOR IMPROVED WEATHER PREDICTION.
01/28/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: J ROADS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11637 UNIV OF CALIFORNIA - SAN DIEGO 2623
RADIATION STUDIES IN SUPPORT OF THE CRYSTAL-FACE PROJECT
01/23/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: F P VALERO
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11660 UNIV OF CALIFORNIA - SAN DIEGO 2624
METEORITIC SULPHUR AND OXYGEN ISOTOPIC ANALYSIS
02/05/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: M H THIEMENS
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 11682 UNIV OF CALIFORNIA - SAN DIEGO 2625
ORBITAL, ROTATIONAL, AND CLIMATIC INTERACTIONS ON MARS.
01/31/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: J A ORCUTT
Tech. Officer: GSFC/B BILLS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11716 UNIV OF CALIFORNIA - SAN DIEGO 2626
PARAMETERIZATION OF CLOUD WATER VARIABILITY FROM EOS OBSER-VATIONS AND ITS IMPACT ON GCM CLIMATE
02/28/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: A VOGELMANN
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11731 UNIV OF CALIFORNIA - SAN DIEGO 2627
"IMPACT OF SYNOPTIC FORCEING ON EXTRATROPICAL CLOU DINESS AND CLIMATE VARIABILITY"
02/14/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: J NORRIS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11738 UNIV OF CALIFORNIA - SAN DIEGO 2628
A GLOBAL RAPID INTEGRATED MONITORING SYSTEM FOR WA TER CYCLE AND WATER R RESOURCE ASSESSMENT (GLOBAL
02/12/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: J ROADS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11754 UNIV OF CALIFORNIA - SAN DIEGO 2629
COLLISIONLESS INTERACTION OF TEH SOLAR WIND WITH T HE EARTH'S MAGNETO- SPHERE: THE GLOBAL NATURE
02/27/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: H KARIMABADI
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 11765 UNIV OF CALIFORNIA - SAN DIEGO 2630
STUDYING THE OCEAN FLOW FIELD FROM COMBINED ANALYS IS OF SEA SURFACE HEIGHT, SEA SURFACE TEMPERA
02/21/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: D STAMMER
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11768 UNIV OF CALIFORNIA - SAN DIEGO 2631
ISOTOPIC, CHEMICAL & MINERALOGICAL INVESTIGATIONS OF EXTRATER-RESTRIAL MATERIALS
02/22/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: G W LUGMAIR
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11824 UNIV OF CALIFORNIA - SAN DIEGO 2632
THREE DIMENSIONAL HYBRID SIMULATION OF RECONNECTIO N AT THE DAYSIDE MAGNETOPAUSE
03/07/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: K B QUEST
Tech. Officer: GSFC/J SHARBER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11906 UNIV OF CALIFORNIA - SAN DIEGO 2633
DETERMINATION OF THE MASS AND ENGERGY CONTENT OF CMES IN THE INNER HELIOSPHERE
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: P P HICK
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 12139 UNIV OF CALIFORNIA - SAN DIEGO 2634
INTEGRATION OF A MICRO-CHIP ACID CHIRALITY DETECTO R INTO THE MOD INSTRUMENT CONCEPT
05/06/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: J L BADA
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12190 UNIV OF CALIFORNIA - SAN DIEGO 2635
MEASUREMENT OF ELECTRONMAGNETIC FIELDS VIA FLIGHT TIMES FROM SPREAD-BEAM ELECTRON SOURCES
05/14/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: C E MCIIWAIN
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12281 UNIV OF CALIFORNIA - SAN DIEGO 2636
LITHOSPHERIC THICKNESS ON VENUS FROM MAGELLAN GRAV ITY AND TOPOGRAPHY DATA
06/10/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: C L JOHNSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12312 UNIV OF CALIFORNIA - SAN DIEGO 2637
SOFTWARE FOR CONSTRAINED OPTIMIZATION
06/26/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: P E GILL
Tech. Officer: GSFC/S P HUGHES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12345 UNIV OF CALIFORNIA - SAN DIEGO 2638
VARIATIONS IN THE HOT ISM (FUSE 00)
08/06/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: C HOWK
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12388 UNIV OF CALIFORNIA - SAN DIEGO 2639
TOPOGRAPHY, TOPEX AND TIDES
07/17/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: S G LLEWELLYN SMITH
Tech. Officer: GSFC/S HAKKINEN
CASE Category: 33 – OCEANOGRAPHY

NAG 5 12397 UNIV OF CALIFORNIA - SAN DIEGO 2640
REMOTE SENSING OF PARTICULATE ORGANIC CARBON POOLS IN THE HIGH-LATITUDE OCEANS
07/23/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: D STRAMSKI
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12465 UNIV OF CALIFORNIA - SAN DIEGO 2641
QUANTITATIVE ASSESSMENT OF THE INTEGRATED RESPONSE IN GLOBAL HEAT AND MOISTURE BUDGETS TO CHANGIN
08/15/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: W B WHITE
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 12535 UNIV OF CALIFORNIA - SAN DIEGO 2642
INFLUENCE OF IRON AVAILABILITY ON PHYTOPLANKTON PR ODUCTIVITY AND COMM STRUCTURE IN THE SOURTHE
09/11/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: K BARBEAU
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1516 UNIV OF CALIFORNIA - SAN DIEGO 2643
VARIABILITY AND PREDICTABILITY OF LAND-ATMOSPHERE OBSERVA-TIONAL AND MODELING STUDIES
05/12/1998 - 04/30/2002 FY02: $0 Total: $161,023
Prin. Invest.: J ROADS
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1571 UNIV OF CALIFORNIA - SAN DIEGO 2644
CARTILAGE TISSUE ENGINEERING: CIRCUMFERENTIAL SEEDING OF CHONDROCYTES USING ROTATING BIOREACTORS
01/12/1999 - 11/30/2002 FY02: $0 Total: $402,550
Prin. Invest.: R L SAH
Tech. Officer: JSC/D RISEN
CASE Category: 56 – MEDICL

NAG 8 1589 UNIV OF CALIFORNIA - SAN DIEGO 2645
NOVEL STRATEGY FOR TRI-DIMENSIONAL IN VITRO BONE INDUCTION
02/25/1999 - 11/30/2002 FY02: $0 Total: $333,650
Prin. Invest.: J A FRANGOS
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1875 UNIV OF CALIFORNIA - SAN DIEGO 2646
FEEDBACK MECHANSIMS AFFECTING INTERANNUAL VARIABIL ITY OF THE TROPICAL ENERGYBALANCE
07/16/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: J O ROADS
Tech. Officer: MSFC/P ROBERTSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 9 1002 UNIV OF CALIFORNIA - SAN DIEGO 2647
DETERMIN OXYGEN BLANK & SUITABILITY CVD DIAMOND
04/30/1998 - 05/31/2002 FY02: $0 Total: $394,000
Prin. Invest.: M H THIEMENS
Tech. Officer: JSC/E K STANSBERY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1425 UNIV OF CALIFORNIA - SAN DIEGO 2648
EXERCIE WITHIN LBNP AS AN ARTIFICIAL GRAVY COUNTER MEASURE
05/24/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: A HARGENS
Tech. Officer: JSC/C LLYOD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 98141 UNIV OF CALIFORNIA - SAN DIEGO 2649
A STUDY OF CLOUD RADIATIVE FORCING AND FEEDBACK (CERES)
10/30/1998 - 10/29/2003 FY02: $0 Total: $701,579
Prin. Invest.: V RAMANATHAN
Tech. Officer: LARC/B A WIELICKI, LARC/R L HUFFMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 00194 UNIV OF CALIFORNIA - SAN DIEGO 2650
SIMBIOS II - SATELLITE OCEAN COLOR VALIDATION USING
01/23/2001 - 11/30/2002 FY02: $0 Total: $200,742
Prin. Invest.: R FROUIN
Tech. Officer: GSFC/C R MCCAIN
CASE Category: 33 – OCEANOGRAPHY

NAS 5 01002 UNIV OF CALIFORNIA - SAN DIEGO 2651
SIMBIOS II-BIO OPTICAL MEASUREMENT AND MODELING OF THE NORTH PACIFIC & SOUTHERN OCEANS
01/23/2001 - 11/30/2002 FY02: $0 Total: $276,619
Prin. Invest.: B G MITCHELL
Tech. Officer: GSFC/C R MCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NAS 5 30720 UNIV OF CALIFORNIA - SAN DIEGO 2652
HIGH ENERGY X-RAY TIMING EXPERIMENT FOR XTE PROJECT
11/01/1989 - 12/15/2002 FY02: $0 Total: $30,488,322
Prin. Invest.: R E ROTHSCHILD
Tech. Officer: GSFC/W D DAVIS
CASE Category: 11 – ASTRONOMY

NAS 5 97121 UNIV OF CALIFORNIA - SAN DIEGO 2653
PULSE SHAPE DISCRIMINATOR FOR INTEGRAL SPECTROMETER (LETTER CONTRACT)
01/24/1997 - 01/31/2003 FY02: $0 Total: $5,706,068
Prin. Invest.: J L MATTESON, R P LIN
Tech. Officer: GSFC/J P MURPHY
CASE Category: 11 – ASTRONOMY

NAS 5 99006 UNIV OF CALIFORNIA - SAN DIEGO 2654
GLAS SCIENCE TEAM LEADER.
11/25/1998 - 12/01/2002 FY02: $0 Total: $900,000
Prin. Invest.: J B MINSTER
Tech. Officer: GSFC/G SMITH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 99120 UNIV OF CALIFORNIA - SAN DIEGO 2655
TRIANA SCIENCE INVESTIGATION
12/09/1998 - 04/30/2003 FY02: $0 Total: $25,585,524
Prin. Invest.: F VALCRO
Tech. Officer: GSFC/J WATZIM, GSFC/C TOOLEY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 9 98124 UNIV OF CALIFORNIA - SAN DIEGO 2656
EFFECT OF EVA & LONG-TERM EXPOSURE TO MICROGRAVITY ON PULMONARY FUNCTION
03/02/1999 - 06/30/2003 FY02: $0 Total: $1,344,412
Prin. Invest.: J B WEST
Tech. Officer: JSC/S M MCCULLUM
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1133 UNIV OF CALIFORNIA - SAN DIEGO 2657
LOWER BODY NEGATIVE PRESSURE AS A COUNTERMEASURE F OR SPACEFLIGHT DECONDITIONING
08/02/1999 - 09/30/2002 FY02: $0 Total: $632,363
Prin. Invest.: A R HARGENS
Tech. Officer: ARC/E M HOLTON
CASE Category: 56 – MEDICL

NCC 2 1196 UNIV OF CALIFORNIA - SAN DIEGO 2658
NON-INVASIVE INTRACRANIAL PRESSURE MEASUREMENT FOR SPACE FLIGHT - SPACE PHYSIOLOGY & COUNTERMEASURE
09/29/2000 - 04/30/2003 FY02: $0 Total: $117,000
Prin. Invest.: C ROGERS
Tech. Officer: ARC/E M HOLTON, ARC/B P DALTON
CASE Category: 56 – MEDICL

NCC 2 5448 UNIV OF CALIFORNIA - SAN DIEGO 2659
ADVANCE ALGORITHMS FOR MOLECULAR-LEVEL COMPUTER MO DELING OF PROTOCELLULAR SYSTEMS
08/03/2001 - 01/31/2002 FY02: $0 Total: $47,656
Prin. Invest.: V GALLINSKY
Tech. Officer: ARC/M H NEW
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 2 5520 UNIV OF CALIFORNIA - SAN DIEGO 2660
DUST PROPERTIES IN COMETS AND PROTOPLANETARY DISKS
08/29/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: D E HARKER
Tech. Officer: ARC/D H WOODEN, ARC/K R BELL
CASE Category: 11 – ASTRONOMY

NCC 3 693 UNIV OF CALIFORNIA - SAN DIEGO 2661
HIGH-PRESSURE COMBUSTION OF BINARY FUEL SPRAYS HIGH-PRESSURE COMBUSTION OF BINARY FUEL SPRAYS
03/25/1999 - 01/03/2003 FY02: $0 Total: $124,022
Prin. Invest.: F A WILLIAMS
Tech. Officer: GRC/D L DIETRICH
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 695 UNIV OF CALIFORNIA - SAN DIEGO 2662
DYNAMICS OF DROPLETS EXTINCTION IN SLOW CONVECTIVE FLOWS
03/25/1999 - 01/13/2003 FY02: $0 Total: $23,203
Prin. Invest.: F A WILLIAMS
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 769 UNIV OF CALIFORNIA - SAN DIEGO 2663
SCIENTIFIC SUPPORT FOR A PROPOSED SPACE SHUTTLE DR OPLET BURNING EXPERIMENT
02/08/2000 - 12/13/2002 FY02: $0 Total: $242,437
Prin. Invest.: F A WILLIAMS
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 819 UNIV OF CALIFORNIA - SAN DIEGO 2664
INTEGRAL DAMPING OF A TRAILING EDGE BLOWING FAN BL ADE
07/31/2000 - 02/28/2001 FY02: -$31 Total: $39,969
Prin. Invest.: D KOSMATKA
Tech. Officer: GRC/O MEHMED
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 902 UNIV OF CALIFORNIA - SAN DIEGO 2665
STRUCTURAL ANALYSIS OF AN INTEGRAL DAMPED FAN STRUCTURAL ANALYSIS OF AN INTEGRAL DAMPED FAN
07/13/2001 - 04/30/2002 FY02: $0 Total: $79,194
Prin. Invest.: D KOSMATKA
Tech. Officer: GRC/O MEHMED
CASE Category: 46 – MECHANICAL ENGR

NCC 5 230 UNIV OF CALIFORNIA - SAN DIEGO 2666
CORRELATED NOISE IN GPS TIME SERIES AND ITS EFFECT MODELS
08/22/1997 - 08/31/2001 FY02: $0 Total: $92,292
Prin. Invest.: D C AGNEW
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 5 257 UNIV OF CALIFORNIA - SAN DIEGO 2667
EARTHKAM (EARTH KNOWLEDGE ACQUIRED BY MIDDLE SCHOO LS)
11/25/1997 - 10/31/2001 FY02: $0 Total: $2,274,999
Prin. Invest.: D K RIDE
Tech. Officer: HQ/P MOUMNTJOY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 540 UNIV OF CALIFORNIA - SAN DIEGO 2668
EARTHKAM BRIDGE FUNDING REQUEST
02/20/2001 - 01/31/2002 FY02: $0 Total: $500,000
Prin. Invest.: S RIDE
Tech. Officer: GSFC/P L MOUNTJOY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 585 UNIV OF CALIFORNIA - SAN DIEGO 2669
INTERNATIONAL SPACE STATION MIDDLE SCHOOL EDUC./ ISS EARTHKAM
08/31/2001 - 08/31/2006 FY02: $0 Total: $320,196
Prin. Invest.: S RIDE
Tech. Officer: GSFC/P MOUNTJOY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 105 UNIV OF CALIFORNIA - SAN DIEGO 2670
CHARACTERIZATION OF AUTONOMIC FUNTION
02/28/2000 - 02/20/2003 FY02: $0 Total: $42,668
Prin. Invest.: P J MILLS
Tech. Officer: JSC/J MECK
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 9 106 UNIV OF CALIFORNIA - SAN DIEGO 2671
CHARACTERIZATION OF AUTOMIC FUNCTION
04/07/2000 - 03/31/2003 FY02: $0 Total: $243,188
Prin. Invest.: M G ZEIGLER
Tech. Officer: JSC/J MECK
CASE Category: 59 – LIFE SCIENCE, OTHER

NGT 2 52251 UNIV OF CALIFORNIA - SAN DIEGO 2672
ACHIEVING APPLICATION PERFORMANCE ON THE INFORMATI ON POWER GRID
09/18/1998 - 03/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: F BERMAN
Tech. Officer: ARC/C H SCHULBACK
CASE Category: 22 – COMPUTER SCIENCE

NGT 4 52429 UNIV OF CALIFORNIA - SAN DIEGO 2673
CONTROL ORIENTED MODELING AND VALIDATION OF AEROSE RVOELAS-TIC SYSTEMS
07/20/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: R D CALLAFON
Tech. Officer: DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 106 UNIV OF CALIFORNIA - SAN DIEGO 2674
THE INFLUENCES OF LIGHT ON PHYTOPLANKTON FLUORESCE NCE AND PRODUCTIVITY (STUDENT: JESSICA NOLAN)
05/30/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: B G MITCHELL
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 33 – OCEANOGRAPHY

NGT 5 30368 UNIV OF CALIFORNIA - SAN DIEGO 2675
NEAR-FIELD FAULT DEFORMATION IN SOUTHERN CALIFORNI A AND BAJA, MEXICO FROMTHE GLOBAL POSITIONING
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: M A TOLBERT
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30446 UNIV OF CALIFORNIA - SAN DIEGO 2676
CONCEPTUAL MODELING OF THE CLIMATIC ROLE OF AIRBOR NE MINERAL DUST (STUDENT: KAREN M. SHELL)
08/23/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R SOMERVILLE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40007 UNIV OF CALIFORNIA - SAN DIEGO 2677
SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATIONA COLL AND FELLOWSHIP PROGRAM.
01/24/1997 - 01/31/2001 FY02: $0 Total: $1,836,750
Prin. Invest.: J A ARNOLD
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40085 UNIV OF CALIFORNIA - SAN DIEGO 2678
CALIFORNIA SPACE GRANT COLL & FELLOWSHIP PROGRAM
02/12/2001 - 04/30/2005 FY02: $0 Total: $460,750
Prin. Invest.: J ARNOLD
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50183 UNIV OF CALIFORNIA - SAN DIEGO 2679
THREE ASTROPHYSICAL GRAILS: THE ORIGINS OF DARK MA TTER, GAMMA-RAY BURSTS, AND HEAVY ELEMENTS
05/27/1998 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: G M FULLER
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 13 – PHYSICS

NAG 9 1261 UNIV OF CALIFORNIA - SAN FRANCISCO 2680
TELOMERE REPAIR & CHROMOSOME INSTABILITY ATER HIGH LINEAR ENERGY TRANSFER PARTICLE RADIATION
09/25/2000 - 07/31/2003 FY02: $0 Total: $291,425
Prin. Invest.: J P MURNANE, B FOULADI
Tech. Officer: JSC/C W LLOYD
CASE Category: 56 – MEDICL

NAS 9 99055 UNIV OF CALIFORNIA - SAN FRANCISCO 2681
LIFE SCIENCE FLIGHT EXPERIMENT
01/29/1999 - 12/31/2002 FY02: $58,410 Total: $413,410
Prin. Invest.: T LANG
Tech. Officer: JSC/D BAUMANN
CASE Category: 56 – MEDICL

NCC 2 1126 UNIV OF CALIFORNIA - SAN FRANCISCO 2682
MEMBRANCE-BASED FUNCTIONS IN THE ORIGINS OF CELLUL AR LIFE
06/14/1999 - 12/31/2002 FY02: $0 Total: $197,114
Prin. Invest.: M A WILSON
Tech. Officer: ARC/M H NEW, ARC/M L FONDA
CASE Category: 12 – CHEMISTRY

NCC 2 1194 UNIV OF CALIFORNIA - SAN FRANCISCO 2683
DO INTEGRINS MEDIATE THE SKELETAL RESPONSES TO ALT ERED LOADING IN VIVI? (SBUPROJECT A)
08/28/2000 - 09/30/2003 FY02: $0 Total: $199,422
Prin. Invest.: C H DAMSKY
Tech. Officer: ARC/R K GLOBUS, ARC/E M HOLTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5295 UNIV OF CALIFORNIA - SAN FRANCISCO 2684
TOWARDS A PHYLOGENY OF BIOLOGICAL FUNCTIONS
09/25/1998 - 03/31/2001 FY02: $0 Total: $175,533
Prin. Invest.: M A WILSON
Tech. Officer: ARC/M H NEW, ARC/M L FONDA
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 5389 UNIV OF CALIFORNIA - SAN FRANCISCO 2685
RESEARCH IN COMPUTATIONAL ASTROBIOLOGY
07/07/2000 - 06/30/2001 FY02: $0 Total: $42,856
Prin. Invest.: M A WILSON
Tech. Officer: ARC/M H NEW, ARC/A POHORILLE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 5412 UNIV OF CALIFORNIA - SAN FRANCISCO 2686
COMPUTER MODELING OF NUCLEIC ACID INTERACTIONS FOR IN VIVA DNA SEQUENCE DETECTION
11/30/2000 - 11/30/2001 FY02: $0 Total: $61,496
Prin. Invest.: M A WILSON, A HERMONE
Tech. Officer: ARC/R L JAFFE, ARC/H PARTRIDGE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5453 UNIV OF CALIFORNIA - SAN FRANCISCO 2687
RESEARCH IN COPUTATIONAL ASTROBIOLOGY
08/08/2001 - 07/31/2002 FY02: $0 Total: $56,780
Prin. Invest.: M A WILSON
Tech. Officer: ARC/M NEW, ARC/A POHORILLO
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 5509 UNIV OF CALIFORNIA - SAN FRANCISCO 2688
RESEARCH IN COMPUTATIONAL ASTROBIOLOGY
08/02/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: M A WILSON
Tech. Officer: ARC/M H NEW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01003 UNIV OF CALIFORNIA - SANTA BARBARA 2689
BIOMIMETIC, SELF-HEALING NANOCOMPOSITES FOR AEROSPACE APPLICATIONS: 1.UCSB COMPONENTS
12/29/2000 - 09/30/2003 FY02: $0 Total: $145,833
Prin. Invest.: D E MORSE
Tech. Officer: LARC/E J SIOCHI
CASE Category: 12 – CHEMISTRY

NAG 2 1140 UNIV OF CALIFORNIA - SANTA BARBARA 2690
MODELING & PREDICTION OF WILDFIRE HAZARD IN SOUTHE RN CALIFORNIA, INTEGRATION OF MODELS WITH.....
07/21/1997 - 06/30/2001 FY02: $0 Total: $245,000
Prin. Invest.: D A ROBERTS, S L USTIN, R CHURCH
Tech. Officer: ARC/G A SHELTON, ARC/J A BRASS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2115 UNIV OF CALIFORNIA - SANTA BARBARA 2691
INTERACTION FORCES AND THE FLOW-INDUCED COALESCENC E OF DROPS AND BUBBLES
02/19/1998 - 12/31/2002 FY02: $0 Total: $616,250
Prin. Invest.: L G LEAL
Tech. Officer: GRC/B S SINGH
CASE Category: 43 – CHEMICAL ENGR

NAG 3 2119 UNIV OF CALIFORNIA - SANTA BARBARA 2692
POOL BOILING CIRSIS FROM FLAT PLATES: MECHANISM(S) AND ENHANCEMENT
02/26/1998 - 12/31/2001 FY02: $0 Total: $481,850
Prin. Invest.: T G THEOFANOUS, Y BUYEVIAH
Tech. Officer: GRC/J B MCQUILLEN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2414 UNIV OF CALIFORNIA - SANTA BARBARA 2693
DIRECT NUMERICAL SIMULATION OF TURBULENT FLOWS WIT H PHASE CHANGE IN MICROGRAVITY
06/02/2000 - 11/30/2003 FY02: $0 Total: $87,500
Prin. Invest.: P BANERJEE
Tech. Officer: LARC/J H AGUI
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2439 UNIV OF CALIFORNIA - SANTA BARBARA 2694
GRADIENT DRIVEN FLUCTUATIONS GRADIENT DRIVEN FLUCTUATIONS
04/20/2000 - 11/30/2003 FY02: $0 Total: $183,000
Prin. Invest.: D S CANNELL
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2466 UNIV OF CALIFORNIA - SANTA BARBARA 2695
THE DYNAMICS OF PARTICULATE DEPOSITIONED RESUSPENS ION PROCESSES AT MODERATE TO HIGH REYNOLDS NUMBER
06/20/2000 - 11/30/2003 FY02: $0 Total: $48,845
Prin. Invest.: E MEIBURG
Tech. Officer: GRC/F P CHARIAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2493 UNIV OF CALIFORNIA - SANTA BARBARA 2696
THE DYNAMICS OF MISCIBLE INTERFACES: SIMULATIONS THEY DYNAMICS OF MISCIBLE INTERFACES: SIMULATIONS
10/11/2000 - 12/31/2001 FY02: $0 Total: $107,500
Prin. Invest.: E H MEIBURG
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2513 UNIV OF CALIFORNIA - SANTA BARBARA 2697
PROBLEMS IN MICROGRAVITY FLUID MECHANICS: G-JITTE R CONVECTION
12/19/2000 - 11/30/2003 FY02: $0 Total: $150,250
Prin. Invest.: G M HOMSY
Tech. Officer: GRC/F P CHIARAMONTE III
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2761 UNIV OF CALIFORNIA - SANTA BARBARA 2698
THE LIMITS OF COOLABILITY IN THERMAL SYSTEMS FOR S PACE APPLICATIONS
04/03/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D THEOFANOUS
Tech. Officer: GRC/J B MCQUILLIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2785 UNIV OF CALIFORNIA - SANTA BARBARA 2699
THE DYNAMICS OF MISCIBLE INTERFACES: A SPACE FLIG HT EXPERIMENT
06/07/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: E H MEIBURG
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3620 UNIV OF CALIFORNIA - SANTA BARBARA 2700
"REMOTE SENSING INFORMATION SCIENCES RESEARCH GROU
02/07/1997 - 06/30/2001 FY02: $0 Total: $2,384,434
Prin. Invest.: D C CLARKE
Tech. Officer: GSFC/A J TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 3646 UNIV OF CALIFORNIA - SANTA BARBARA 2701
SOLAR SYSTEM PHYSICS
02/25/1997 - 04/30/2003 FY02: $0 Total: $335,750
Prin. Invest.: S J PEALE
Tech. Officer: GSFC/D G SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4629 UNIV OF CALIFORNIA - SANTA BARBARA 2702
PARAMETERIZATION OF CLOUD 3-D EFFECTS ON SURFACE S GET ESTIMATED FROM SATELLITE MEASUREMENTS
05/21/1997 - 11/30/2001 FY02: $0 Total: $380,000
Prin. Invest.: C GAUTHIER
Tech. Officer: GSFC/R CAHALAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4814 UNIV OF CALIFORNIA - SANTA BARBARA 2703
HYDROLOGY, HYDROCHEMICAL MODELING AND REMOTE SENSI SNOW-COVERED ALPINE DRAINAGE BASINS
06/19/1997 - 12/31/2001 FY02: $0 Total: $2,394,535
Prin. Invest.: J C DOZIER
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4963 UNIV OF CALIFORNIA - SANTA BARBARA 2704
PROGRAM IS PART OF A LONG TERM EFFORT ICESS IS DEV RGRADUATE STUDENTS, EARLY ON IN THEIR ACADEMIC LI
06/27/1997 - 12/31/2000 FY02: $0 Total: $225,000
Prin. Invest.: C GAUTIER
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6120 UNIV OF CALIFORNIA - SANTA BARBARA 2705
THE EOS AMAZON PROJECT
08/13/1997 - 06/30/2003 FY02: $0 Total: $623,394
Prin. Invest.: T DUNNE
Tech. Officer: GSFC/T JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6288 UNIV OF CALIFORNIA - SANTA BARBARA 2706
DEVELOPMENT AND APPLICATION OF THE NEXT GENERATION FOR THE UNDERSTANDING OF MARINE PROCESSES ON REGI
09/10/1997 - 08/31/2001 FY02: $0 Total: $579,515
Prin. Invest.: D SIEGEL
Tech. Officer: GSFC/J YODER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6434 UNIV OF CALIFORNIA - SANTA BARBARA 2707
BIO-OPTICS IN THE WESTERN ANTARCTIC PENINSULA REGI ON
10/16/1997 - 06/30/2002 FY02: $0 Total: $492,438
Prin. Invest.: R C SMITH
Tech. Officer: GSFC/J A MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6465 UNIV OF CALIFORNIA - SANTA BARBARA 2708
INVESTIGATION OF SNOW PROPERTIES USING MODIS AND A STER DATA
10/24/1997 - 09/30/2001 FY02: $0 Total: $310,053
Prin. Invest.: J SHI
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6911 UNIV OF CALIFORNIA - SANTA BARBARA 2709
A REQUEST FOR SCIENCE READINESS FUNDS FOR THE OPTI CAL MONITOR PROGRAM OFHTE X-RAY MULTI-MIRROR MISS
01/28/1998 - 10/31/2001 FY02: $0 Total: $201,479
Prin. Invest.: D CORDOVA
Tech. Officer: GSFC/R DONNELLY
CASE Category: 11 – ASTRONOMY

NAG 5 7075 UNIV OF CALIFORNIA - SANTA BARBARA 2710
DETAILED THEORETICAL MODELING OF THE SPECTRUM AND POLARIZATION OF ACCRETION DISKS IN ACTIVE GA
02/25/1998 - 02/28/2003 FY02: $0 Total: $223,024
Prin. Invest.: O M BLAES
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7177 UNIV OF CALIFORNIA - SANTA BARBARA 2711
PROBABILITY OF DETECTING PLANETS WITH MICROLENSING
03/16/1998 - 03/14/2003 FY02: $0 Total: $121,100
Prin. Invest.: S J PEALE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7714 UNIV OF CALIFORNIA - SANTA BARBARA 2712
POSTLAUNCH: STATEMENT OF WORK U.S. OPTICAL MONITOR TEAM
10/05/1998 - 07/31/2002 FY02: $0 Total: $994,063
Prin. Invest.: D A CORDOVA
Tech. Officer: GSFC/N E WHITE
CASE Category: 11 – ASTRONOMY

NAG 5 7940 UNIV OF CALIFORNIA - SANTA BARBARA 2713
OUTREACH PROJECT
01/19/1999 - 07/31/2002 FY02: $0 Total: $253,850
Prin. Invest.: D FOSTER
Tech. Officer: GSFC/N E WHITE
CASE Category: 11 – ASTRONOMY

NAG 5 7981 UNIV OF CALIFORNIA - SANTA BARBARA 2714
ATMOSPHERIC EXCITATION OF PLANETARY NORMAL MODES
01/13/1999 - 12/31/2001 FY02: $0 Total: $68,250
Prin. Invest.: D TANIMOTO
Tech. Officer: GSFC/J A GRANT
CASE Category: 11 – ASTRONOMY

NAG 5 8319 UNIV OF CALIFORNIA - SANTA BARBARA 2715
PLUMES AND BLOOMS: MODELING THE CASE II WATERS OF THE SANTA BARBARA CHANNEL
04/01/1999 - 03/31/2001 FY02: $0 Total: $180,000
Prin. Invest.: D A SIEGEL
Tech. Officer: GSFC/J W CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8396 UNIV OF CALIFORNIA - SANTA BARBARA 2716
MESOSCALE EFFECTS OF CLIMATE AND LAND-COVER CHANGE ON RIVER-BASIN HYDROLOGY IN AMAZONIA
04/01/1999 - 03/31/2003 FY02: $0 Total: $300,000
Prin. Invest.: T DUNNE
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8616 UNIV OF CALIFORNIA - SANTA BARBARA 2717
EVALUATING USAGE OF SAR IN MEASURING SNOW PROPERTI ES
06/14/1999 - 06/30/2002 FY02: $0 Total: $320,177
Prin. Invest.: J SHI
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8658 UNIV OF CALIFORNIA - SANTA BARBARA 2718
ROTATIONAL INSTABILITIES AND NUCLEOSYNTHESIS IN ACCRETING NEUTRON STARS.
08/31/1999 - 06/30/2003 FY02: $0 Total: $117,680
Prin. Invest.: L BILDSTEN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8669 UNIV OF CALIFORNIA - SANTA BARBARA 2719
NANOSCALE BOLOMETERS AND EVAPORATIVE ELECTRONIC REFRIGERATION
07/09/1999 - 07/14/2002 FY02: $0 Total: $432,592
Prin. Invest.: A CLELAND
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 13 – PHYSICS

NAG 5 8680 UNIV OF CALIFORNIA - SANTA BARBARA 2720
ATMOSPHERIC MINERAL DUST AND CHLOROPHYLL BLOOMS
07/19/1999 - 07/14/2002 FY02: $0 Total: $350,379
Prin. Invest.: N M MAHOWALD
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9055 UNIV OF CALIFORNIA - SANTA BARBARA 2721
APPLICATIONS AND VALIDATION OF THE SRTM DEM IN THE AMAZON: HYDROLOGICAL AND GEOMORPHOLOGICAL ANALYSI
02/14/2000 - 05/31/2001 FY02: $0 Total: $100,000
Prin. Invest.: D E ALSDORF
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9073 UNIV OF CALIFORNIA - SANTA BARBARA 2722
BALLOON BORNE MILLIMETER WAVELENGTH SKY STUDIES & TECHNOLOGY DEVELOPMENT
02/15/2000 - 02/14/2002 FY02: $0 Total: $738,482
Prin. Invest.: P LUBIN
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 9251 UNIV OF CALIFORNIA - SANTA BARBARA 2723
BALLOON BORNE OBSERVATIONS OF THE POLARIZATION OF THE COSMIC MICROWAVE BACKGROUND
03/31/2000 - 03/31/2003 FY02: $0 Total: $350,530
Prin. Invest.: J E RUHL
Tech. Officer: GSFC/J FROGEL
CASE Category: 11 – ASTRONOMY

NAG 5 9671 UNIV OF CALIFORNIA - SANTA BARBARA 2724
THE ROLE OF NORTH AFRICAN MINERAL AEROSOLS IN CLIM ATE AND BIOGEOCHIMSTRY
06/12/2000 - 05/31/2003 FY02: $0 Total: $423,333
Prin. Invest.: N M MAHOWALD
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9811 UNIV OF CALIFORNIA - SANTA BARBARA 2725
GLOBALLY CONSISTENT TOPOGRAPHIC CHARACTERIZATION OF LARGE RIVER FLOODPLAINS BASED ON THE SRT
07/21/2000 - 07/31/2003 FY02: $0 Total: $134,998
Prin. Invest.: L K MERTES
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9818 UNIV OF CALIFORNIA - SANTA BARBARA 2726
DEVELOPMENT AND APPLICATION OF THE NEXT GENERATION OF OCEAN COLOR MODELS FOR THE UNDERSTANDING OF MA
07/26/2000 - 08/31/2002 FY02: $0 Total: $200,000
Prin. Invest.: D A SIEGEL
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9844 UNIV OF CALIFORNIA - SANTA BARBARA 2727
HYDROLOGY, HYDROCHEMICAL MODELING & REMOTE SENSING IN SEASONALLY SNOW-COVERED ALPINE DRAINAGE
08/07/2000 - 07/31/2003 FY02: $0 Total: $750,000
Prin. Invest.: J C DOZIER
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9941 UNIV OF CALIFORNIA - SANTA BARBARA 2728
DISTORTIONS OF THE CMB FROM VARIOUS PROCESSES OF THE EARLY UNIVERSE
09/08/2000 - 09/30/2001 FY02: $0 Total: $40,791
Prin. Invest.: P M LUBIN
Tech. Officer: GSFC/A J KOGUT
CASE Category: 13 – PHYSICS

NAG 5 9971 UNIV OF CALIFORNIA - SANTA BARBARA 2729
SPECTROSCOPY OF DIPS AND FLARES IN CIR X-1
09/13/2000 - 09/14/2003 FY02: $0 Total: $43,800
Prin. Invest.: R E SHIREY
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10146 UNIV OF CALIFORNIA - SANTA BARBARA 2730
REMOTE SENSING ASSESSMENT OF BIOGEOCHEMICAL PROCESSES IN THE SARGASSO SEA
01/04/2001 - 05/30/2002 FY02: $0 Total: $97,934
Prin. Invest.: N NELSON
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10299 UNIV OF CALIFORNIA - SANTA BARBARA 2731
QUANTUM LTD.-TERAHERTZ DETECTION WITHOUT LIQUID CRYOGENS PROPOSAL #1138
01/31/2001 - 01/31/2004 FY02: $0 Total: $245,251
Prin. Invest.: M SHERWIN
Tech. Officer: GSFC/T DOIRON
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 10457 UNIV OF CALIFORNIA - SANTA BARBARA 2732
REMOTE SENSING INFORMATON SCIENCE RESEARCH
02/26/2001 - 09/30/2002 FY02: $0 Total: $390,000
Prin. Invest.: J E ESTES
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10520 UNIV OF CALIFORNIA - SANTA BARBARA 2733
TECTONIC-CLIMATE INTERACTIONS IN ACTIVE OROGENIC BELTS: QUANTIFICATION OF DYNAMIC TOPOGRAPHY WITH
03/30/2001 - 02/14/2003 FY02: $0 Total: $146,532
Prin. Invest.: D W BURBANK
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10671 UNIV OF CALIFORNIA - SANTA BARBARA 2734
ESTIMATING SOIL MOISTURE CHANGES USING RADARSAT & ITS APPLICATION IN HYDROLOGICAL MODELING
03/27/2001 - 03/14/2004 FY02: $0 Total: $71,282
Prin. Invest.: J SHI
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11249 UNIV OF CALIFORNIA - SANTA BARBARA 2735
MULTI-MEDIA FLUID MECHANICS: FLUIDS IN MICROGRAVIT Y
08/16/2001 - 08/31/2003 FY02: $0 Total: $150,000
Prin. Invest.: G HOMSY
Tech. Officer: GSFC/D SPEARS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11385 UNIV OF CALIFORNIA - SANTA BARBARA 2736
FULLERENES: A NEW CARRIER-PHASE FOR NOBLE GASES IN METEORITES
11/05/2001 - 10/31/2003 FY02: $0 Total: $0
Prin. Invest.: L BECKER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11426 UNIV OF CALIFORNIA - SANTA BARBARA 2737
NANOBOLOMETERS AND SINGLE-ELECTRON READOUT AMPLIFI CATION
12/03/2001 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: A CLELAND
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11560 UNIV OF CALIFORNIA - SANTA BARBARA 2738
INTERSTELLAR ORGANIC MOLECULES AND THE ORIGIN OF L IFE: THE ROLE OF EXOGENOUS DELIVERY
01/15/2002 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: L R BECKER
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11666 UNIV OF CALIFORNIA - SANTA BARBARA 2739
PLANETARY SYSTEM PHYSICS
01/25/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: S J PEALE
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11709 UNIV OF CALIFORNIA - SANTA BARBARA 2740
MULTI-SCALE CONVERGENCE OF COLD-LAND PROCESS REPRE SENTATION IN LAND- SURFACE MODELS MICROWAVE RE
02/06/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: J SHI
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11887 UNIV OF CALIFORNIA - SANTA BARBARA 2741
UCSB ARCADE BALLOON PROGRAM.
04/03/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: P M LUBIN
Tech. Officer: GSFC/A J KOGUT
CASE Category: 13 – PHYSICS

NAG 5 12053 UNIV OF CALIFORNIA - SANTA BARBARA 2742
LARGE APERTURE BALLOON BORNE MILLIMETER AND SUBMIL LIMETER OBSERVATIONS AND TECHNOLOGY DEVELOPMENT
04/22/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: P LUBIN
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 12087 UNIV OF CALIFORNIA - SANTA BARBARA 2743
DYNAMICS & ORIGIN OF EXTRA-SOLAR PLANETARY SYSTEMS & MICRO-LENSING DETECTION OF EXTRA-SOLAR PLANETS
04/30/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: S PEALE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12150 UNIV OF CALIFORNIA - SANTA BARBARA 2744
UNBIASED, IN-SITU LIFE DETECTION TECHNOLOGY BASED ON TERAHERTZ CIRCULAR DICHROISM SPECTROSCOPY
05/10/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: K PLAXCO
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12400 UNIV OF CALIFORNIA - SANTA BARBARA 2745
BEYOND CHLOROPHYLL: USING OCEAN TO STUDY ORGANIC MATTER CYCLING IN THE OCEAN
07/23/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: N NELSON
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1429 UNIV OF CALIFORNIA - SANTA BARBARA 2746
R/S BOUNDARY EFFECTS ON TRANSPORT PROPERTIES AND DYNAMIC FINITE-SIZE SCALING NEAR THE SUPERFLUID
02/23/1998 - 01/31/2003 FY02: $85,000 Total: $713,121
Prin. Invest.: G AHLERS, V DOHM, F C LIU
Tech. Officer: MSFC/J POE, JPL/D STRAYER
CASE Category: 13 – PHYSICS

NAG 8 1757 UNIV OF CALIFORNIA - SANTA BARBARA 2747
RESEARCH ENTITLED, THE SUPERFLUID TRANSITION OF HE UNDER UNUSUAL CONDITIONS
04/26/2001 - 04/29/2005 FY02: $0 Total: $100,000
Prin. Invest.: G AHLERS
Tech. Officer: GSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 9 1329 UNIV OF CALIFORNIA - SANTA BARBARA 2748
QUANTITIVE MODELING OF HUMAN SACADIC TARGETING DUR ING VISUAL RESEARCH
06/29/2001 - 12/23/2002 FY02: $0 Total: $167,146
Prin. Invest.: M ECKSTIEN
Tech. Officer: JSC/C LLOYD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG13 99025 UNIV OF CALIFORNIA - SANTA BARBARA 2749
IMPLEMENTATION OF PREDICTIVE SOIL MODELING IN THE NATIONAL COOPERATIVE SOIL SURVEY
08/27/1999 - 11/01/2002 FY02: $40,000 Total: $275,149
Prin. Invest.: O CHADWICK
Tech. Officer: JSC/R MCKELLIP
CASE Category: 32 – GEOLOGICAL SCIENCE

NAS 5 00196 UNIV OF CALIFORNIA - SANTA BARBARA 2750
SIMBIOS II-OPTIMIZATION OF OCEAN COLOR ALGORITHMS: APPLICATION TO SATELLITE & IN SITU DATA MERGING.
01/10/2001 - 11/30/2002 FY02: $0 Total: $133,635
Prin. Invest.: S MARITORENA
Tech. Officer: GSFC/C R MCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NAS 5 00200 UNIV OF CALIFORNIA - SANTA BARBARA 2751
SIMBIOS II - THE BERMUDA BIO-OPTICS PROJECT (BBPO) YEARS 9 THRU 11.
01/26/2001 - 11/30/2002 FY02: $0 Total: $237,559
Prin. Invest.: D A SIEGEL
Tech. Officer: GSFC/C R MCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NAS 5 00201 UNIV OF CALIFORNIA - SANTA BARBARA 2752
SIMBIOS II - PLUMES & BLOOMS: OBSERVATIONS, ANALYSIS & MODELING FOR SIMBIOS.
01/26/2001 - 11/30/2002 FY02: $0 Total: $208,287
Prin. Invest.: D A SIEGEL
Tech. Officer: GSFC/C R MCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NAS 5 31370 UNIV OF CALIFORNIA - SANTA BARBARA 2753
EOS INVESTIGATION
12/23/1991 - 06/14/2003 FY02: $0 Total: $4,303,402
Prin. Invest.: Z WAN
Tech. Officer: GSFC/H OSEROFF
CASE Category: 33 – OCEANOGRAPHY

NAS 5 31374 UNIV OF CALIFORNIA - SANTA BARBARA 2754
EOS INVESTIGATION - ATMOSPHERIC INFRARED SOUNDER (AIRS) TEAM MEMBER INVESTIGATION
03/04/1992 - 06/14/2003 FY02: $0 Total: $1,695,000
Prin. Invest.: C GAUTIER
Tech. Officer: GSFC/E KRIENS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 31710 UNIV OF CALIFORNIA - SANTA BARBARA 2755
EOS INVESTIGATION/HIRIS TEAM MEMBER
09/17/1992 - 12/14/2001 FY02: $0 Total: $137,461
Prin. Invest.: D DOZLER
Tech. Officer: GSFC/T BRAKKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAS 5 31713 UNIV OF CALIFORNIA - SANTA BARBARA 2756
EOS INVESTIGATION/HIRIS TEAM MEMBER
02/25/1992 - 12/14/2001 FY02: $0 Total: $331,783
Prin. Invest.: J M MELACK
Tech. Officer: GSFC/T BRAKE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1290 UNIV OF CALIFORNIA - SANTA BARBARA 2757
MECHANICAL PROPERTIES OF LIGHTWEIGHT CERAMIC ABLAT OR MATERIALS
10/25/2001 - 10/14/2003 FY02: $0 Total: $0
Prin. Invest.: F MILSTEIN
Tech. Officer: ARC/C CZALAI
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 2 5368 UNIV OF CALIFORNIA - SANTA BARBARA 2758
INTRA-AND INTERSUBBAND ELECTRON-ELECTRON-PHONON SC ATTERINGS IN QUANTUM CONFINED STRUCTURES FOR ....
02/28/2000 - 02/28/2001 FY02: $0 Total: $59,304
Prin. Invest.: M W WU
Tech. Officer: ARC/T R GOVINDAN
CASE Category: 45 – ELECTRICAL ENGR

NCC 5 281 UNIV OF CALIFORNIA - SANTA BARBARA 2759
MULTI-SCALE ANALYSIS OF INUNDATION WITH MICROWAVE AND OPTICAL REMOTE SENSING IN THE AMAZON BASIN:
06/16/1998 - 12/31/2002 FY02: $0 Total: $688,772
Prin. Invest.: J MELACK
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 282 UNIV OF CALIFORNIA - SANTA BARBARA 2760
LAND-COVER CONVERSION IN AMAZONIA, THE ROLE OF ENV IRONMENT AND SUBSTRATECOMPOSITION IN MODIFYING SO
06/12/1998 - 12/31/2002 FY02: $0 Total: $706,442
Prin. Invest.: O A CHADWICK
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 302 UNIV OF CALIFORNIA - SANTA BARBARA 2761
THE EARTH SYSTEM SCIENCE WORKBENCH: A SCALABLE INFRASTRUCTURE FOR ESIP'S
04/09/1998 - 12/31/2002 FY02: $0 Total: $3,398,000
Prin. Invest.: J FREW
Tech. Officer: GSFC/M MAIDEN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 496 UNIV OF CALIFORNIA - SANTA BARBARA 2762
HYPERION APPLICATIONS & VALIDATION FOR FIRE HAZARD ASSESSMENT IN THE SANTA MONICA MOUNTAINS, CALIF
04/19/2000 - 09/30/2002 FY02: $0 Total: $74,343
Prin. Invest.: D A ROBERTS
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 589 UNIV OF CALIFORNIA - SANTA BARBARA 2763
HYPERSPECTRAL ANALYSIS OF LAND-COVER IN RONDONIA
09/20/2001 - 09/30/2004 FY02: $0 Total: $20,864
Prin. Invest.: D A ROBERTS
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 4 52407 UNIV OF CALIFORNIA - SANTA BARBARA 2764
GSRP ANALYSIS OF ADAPTIVE CONTROL OF AEROELASTIC STRUCTURES USING MULITIDISCIPLINARY STARS PROGRAMS
06/18/1998 - 07/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: J C BRUCH, DR., J TARANTINO
Tech. Officer: SSC/K GUPTA, SSC/L S VOELKER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 4 52423 UNIV OF CALIFORNIA - SANTA BARBARA 2765
DEVELOPMENT OF THE EIGENVECTOR ORIENTATION METHOD FOR FLUTTER PREDICTIONS
06/02/2000 - 07/01/2003 FY02: $0 Total: $44,000
Prin. Invest.: H T YANG
Tech. Officer: DFRC/K K KUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 4 52427 UNIV OF CALIFORNIA - SANTA BARBARA 2766
DETERMINING MECHANICAL PROPERTIES OF NANO MATERIAL S USING NANOINDENTATION AND A FINITE ELEMENT METH
06/20/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: H T YANG
Tech. Officer: DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 4 52428 UNIV OF CALIFORNIA - SANTA BARBARA 2767
DETERMINING MECHANICAL PROPERTIES OF NANO MATERIAL S USING NANOINDENTATION AND A FINITE ELEMENT METH
07/20/2001 - 06/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: H YANG
Tech. Officer: DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 30173 UNIV OF CALIFORNIA - SANTA BARBARA 2768
MASS BALANCE OF SEDIMENT TRANSPORT ACROSS COASTAL MARGIN FILTERS AT THE BASE OF THE TRANSVERSE RANGE
09/22/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: MERTES, WARRICK
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30194 UNIV OF CALIFORNIA - SANTA BARBARA 2769
A TOP-DOWN APPROACH TO UNDERSTANDING & PREDICTING DIMETHYLSULFIDE VARIABILITY IN THE SARGASSO SEA
08/18/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: D A SIEGEL, TOOLE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NGT 5 30201 UNIV OF CALIFORNIA - SANTA BARBARA 2770
MONITORING POPULATION AND THE EXTENT OF HUMAN SETT LEMENT IN THE BRAZILIAN AMAZON WITH SYNTH
08/24/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: K C CLARKE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30225 UNIV OF CALIFORNIA - SANTA BARBARA 2771
REGIONAL BIOGEOCHEMISTRY OF LAND USE CHANGE IN THE HUMID TROPICS: DETECTION & MODELING OF THE
08/14/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: T DUNNE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30332 UNIV OF CALIFORNIA - SANTA BARBARA 2772
INTERACTIONS OF LAND COVER CHANGE & TOPOGRAPHY IN THE HYDROLOGIC RESPONSEOF MESOSCALE TROPIC
08/14/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: T DUNNE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30357 UNIV OF CALIFORNIA - SANTA BARBARA 2773
THE ROLE OF TOPOGRAPHY & PROXIMITY TO BEDROCK IN DETERMINING NUTRIENT SUPPLY TO A SEASONAL AMAZONI
08/22/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: O CHADWICK
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NGT 5 30400 UNIV OF CALIFORNIA - SANTA BARBARA 2774
REMOTE SENSING OF ANTHROPOGENIC BIOMASS BURNING & FOREST DEGRADATION IN MADAGSCAR: THE DEVELOPMENT
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: D ROBERTS
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30406 UNIV OF CALIFORNIA - SANTA BARBARA 2775
SATELLITE DETECTION OF TRICHODESMIUM SPP. AND ITS RELATION TO ATMOSPHERIC DUST DEPOSITIONS
08/15/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: D SIEGEL
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30413 UNIV OF CALIFORNIA - SANTA BARBARA 2776
ROLES OF REGIONAL CLIMATOLOGY IN THE NORTH AFRICAN DESERT DUST. STUDENT:MASARU YOSHIOKA
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: N MAHOWALD
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30436 UNIV OF CALIFORNIA - SANTA BARBARA 2777
ASSESSMENT OF AIRBORNE FINE SPATIAL RESOLUTION HYP ERSPECTRAL IMAGERY FORTHE MONITORING OF TROPICAL
08/20/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: D M CLARK
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NGT 5 30440 UNIV OF CALIFORNIA - SANTA BARBARA 2778
SATELLITE MEASUREMENT OF SURFACE OCEAN MIXING AND VENTILATION USING OPENOCEAN COLORED DISSOLVED ORGA
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S A SIEGEL
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50269 UNIV OF CALIFORNIA - SANTA BARBARA 2779
B2K, AN EXPERIMENT TO MEASURE THE POLARIZATION OF THE CMB
06/22/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: J RUHL
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50327 UNIV OF CALIFORNIA - SANTA BARBARA 2780
MAPPING WILDLAND FUELS USING CONBINED HYPERSPEC TRAL & SYNTHETIC APERTURERADAR FOR FIRE HAZARD
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: D A ROBERTS
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 2 1580 UNIV OF CALIFORNIA - SANTA CRUZ 2781
NANO/BIO/INFO TECHNOLOGY FUSION/ COLLABORATIVE RES EARCH PROPOSAL
09/04/2002 - 10/31/2003 FY02: $0 Total: $0
Prin. Invest.: W E BERRY
Tech. Officer: ARC/H PARTRIDGE, ARC/M MEYYAPPAN
CASE Category: 12 – CHEMISTRY

NAG 5 4445 UNIV OF CALIFORNIA - SANTA CRUZ 2782
PHOTON-WEIGHTED MIDPOINT EXPOSURE METER FOR KECK/H RESEARCH
04/25/1997 - 04/30/2001 FY02: $0 Total: $205,494
Prin. Invest.: D S VOGT
Tech. Officer: GSFC/S HOWARD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4494 UNIV OF CALIFORNIA - SANTA CRUZ 2783
FORMATION AND EARLY EVOLUTION OF SOLAR AND EXTRA-S
04/30/1997 - 03/31/2001 FY02: $0 Total: $112,776
Prin. Invest.: D H BODENHEIMER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8128 UNIV OF CALIFORNIA - SANTA CRUZ 2784
THREE DIMENSIONAL MODELS FOR GAMMA-RAY BURSTS AND SUPERNOVAE_ (ATP98)
02/05/1999 - 02/14/2003 FY02: $0 Total: $273,606
Prin. Invest.: S E WOOSLEY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8196 UNIV OF CALIFORNIA - SANTA CRUZ 2785
THE GROWTH OF PROTOGIANT PLANETS IN PROTOSTELLAR D ISKS
02/04/1999 - 01/31/2002 FY02: $0 Total: $130,000
Prin. Invest.: D N LIN
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8218 UNIV OF CALIFORNIA - SANTA CRUZ 2786
TESTING INFLATION AND DARK MATTER WITH NEW DATA, M ODELS, AND METHODS (ATP98)
02/08/1999 - 08/14/2002 FY02: $0 Total: $665,901
Prin. Invest.: J R PRIMACK
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8348 UNIV OF CALIFORNIA - SANTA CRUZ 2787
THE PROPERTIES OF INTERSTELLAR DUST GRAINS IN IRAS 'CIRRUS' CLOUDS (ADP98)
03/01/1999 - 04/30/2002 FY02: $0 Total: $159,572
Prin. Invest.: P GUHATHAKURTA
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8409 UNIV OF CALIFORNIA - SANTA CRUZ 2788
EVOLUTION OF HOT GAS IN ELLIPTICAL GALAXIES (ATP 9 8)
03/15/1999 - 03/31/2003 FY02: $0 Total: $121,622
Prin. Invest.: W G MATHEWS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8750 UNIV OF CALIFORNIA - SANTA CRUZ 2789
MONITORING ECOSYSTEM CONDITION AND STRESS IN THE SAN PABLO BAY, CA REGION
09/08/1999 - 09/14/2002 FY02: $0 Total: $190,492
Prin. Invest.: R KUDELA
Tech. Officer: GSFC/J W MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8855 UNIV OF CALIFORNIA - SANTA CRUZ 2790
COMPOUND REMOTE SENSING FOR THE DETERMINATION OF NEW PRIMARY PRODUCTION IN COASTAL WATERS
11/23/1999 - 11/30/2002 FY02: $0 Total: $157,149
Prin. Invest.: R KUDELA
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8914 UNIV OF CALIFORNIA - SANTA CRUZ 2791
SMALL BODIES ANE PLANETARY COLLISIONS
01/27/2000 - 12/31/2002 FY02: $0 Total: $222,300
Prin. Invest.: E ASPHAUG
Tech. Officer: GSFC/J A GRANT
CASE Category: 11 – ASTRONOMY

NAG 5 9403 UNIV OF CALIFORNIA - SANTA CRUZ 2792
STRUCTURE AND FUNCTION OF ENCAPSULATED REPLICATING SYSTEMS
04/06/2000 - 03/31/2003 FY02: $0 Total: $227,214
Prin. Invest.: D DEAMER
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9526 UNIV OF CALIFORNIA - SANTA CRUZ 2793
MULTIDIMENSIONAL MODELING OF THE SOLAR NEBULA: A BETTER TOOL FOR UNDERSTANDING OBSERVATIONS
04/28/2000 - 05/31/2003 FY02: $0 Total: $45,000
Prin. Invest.: P BODENHEIMER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9661 UNIV OF CALIFORNIA - SANTA CRUZ 2794
FORMATION AND EARLY EVOLUTION OF SOLAR AND EXTRA- SOLAR GIANT PLANETS
06/01/2000 - 06/14/2003 FY02: $0 Total: $66,000
Prin. Invest.: P BODENHEIMER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9711 UNIV OF CALIFORNIA - SANTA CRUZ 2795
OBSERVATIONS OF ROTATION POWERED PULSARS IN SUPPORT OF GLAST
06/15/2000 - 06/14/2003 FY02: $0 Total: $50,903
Prin. Invest.: D E THORSETT
Tech. Officer: GSFC/S LAMBROS
CASE Category: 11 – ASTRONOMY

NAG 5 9956 UNIV OF CALIFORNIA - SANTA CRUZ 2796
HOT GAS ENRICHMENT BY DRAWF GALAXIES IN THE 5044 GALAXY GROUP
09/13/2000 - 09/14/2003 FY02: $0 Total: $16,000
Prin. Invest.: W G MATHEWS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10053 UNIV OF CALIFORNIA - SANTA CRUZ 2797
THE X-RAY HALOS OF EXTREMELY LUMINOUS GIANT LSB & HSB DISK GALAXIES
12/06/2000 - 12/14/2002 FY02: $0 Total: $13,526
Prin. Invest.: B J WEINER
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10232 UNIV OF CALIFORNIA - SANTA CRUZ 2798
THE IONIZATION HISTORY OF THE INTERGALACTIC MEDIUM
01/24/2001 - 11/30/2002 FY02: $0 Total: $67,957
Prin. Invest.: P MADAU
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10612 UNIV OF CALIFORNIA - SANTA CRUZ 2799
GROWTH OF PLANETESIMALS IN A PROTOSTELLAR DISK ENV IRONMENT
03/17/2001 - 03/14/2004 FY02: $0 Total: $55,000
Prin. Invest.: D LIN
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10676 UNIV OF CALIFORNIA - SANTA CRUZ 2800
BEOWULF CLUSTER FOR SMALL BODIES AND PLANETARY COL LISIONS
03/30/2001 - 03/31/2002 FY02: $0 Total: $51,700
Prin. Invest.: E ASPHAUG
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10683 UNIV OF CALIFORNIA - SANTA CRUZ 2801
PHYSICAL PROPERTIES OF A Z << 1 LYMAN LIMIT SYSTEM - FUSE 2000
03/29/2001 - 03/31/2003 FY02: $0 Total: $2,250
Prin. Invest.: B J WEINER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10727 UNIV OF CALIFORNIA - SANTA CRUZ 2802
TIDAL INTERACTION BETWEEN SHORT-PERIOD PLANETS AND THEIR HOST STARS
04/09/2001 - 04/14/2003 FY02: $0 Total: $40,000
Prin. Invest.: D LIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11220 UNIV OF CALIFORNIA - SANTA CRUZ 2803
CONVECTION AND MAGNETIC FIELD GENERATION IN GIANT AND EXTRA-SOLAR PLANETS: NUMERICAL SIMULATI
08/13/2001 - 08/31/2004 FY02: $0 Total: $107,000
Prin. Invest.: G A GLATZMAIER
Tech. Officer: GSFC/D J BOGAN
CASE Category: 99 – MULTIINTERDISCPL, OTHER

NAG 5 11513 UNIV OF CALIFORNIA - SANTA CRUZ 2804
EARLY GALAXIES
01/03/2002 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: P MADAU
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11521 UNIV OF CALIFORNIA - SANTA CRUZ 2805
POST IMPACT ASTOIDS: GRAVIATIONAL INTERACTIONS, SPIN STATED, AND SHAPES
12/31/2001 - 01/14/2004 FY02: $0 Total: $0
Prin. Invest.: D KORYCANSKY
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11779 UNIV OF CALIFORNIA - SANTA CRUZ 2806
ORIGIN OF DYNAMICAL DIVERSITY IN EXTRASOLAR MULTIP LE PLANETARY SYSTEMS
02/26/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: D LIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12036 UNIV OF CALIFORNIA - SANTA CRUZ 2807
MULTI-DIMENSIONAL MODELS FOR GAMMA-RAY BURSTS, X-RAY BURSTS, AND SUPERNOVAE
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: S E WOOSLEY
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12151 UNIV OF CALIFORNIA - SANTA CRUZ 2808
EVOLUTION OF MULTI-PHASE INTERSELLAR MEDIUM IN YOUNG GALAXIES
05/10/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: D C LIN
Tech. Officer: GSFC/M SALOMON
CASE Category: 11 – ASTRONOMY

NAG 5 12326 UNIV OF CALIFORNIA - SANTA CRUZ 2809
STUDYING GALAXY FORMATION AND EVOLUTION WITH NEW DATA, MODELS, AND METHODS
06/27/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: J R PRIMACK
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12379 UNIV OF CALIFORNIA - SANTA CRUZ 2810
POSSIBLE NEAR-FUTURE RETREAT OF THE ROSS ICE SHELF DUE TO DECREASING ICE DISCHARGE FROM THE ROSS ICE
07/12/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: S TULACZK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12496 UNIV OF CALIFORNIA - SANTA CRUZ 2811
INDENTIFYING THE PHYSICAL NATURE OF LOW Z OVI ABSO RBERS.
08/29/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: J X PROCHASKA
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12574 UNIV OF CALIFORNIA - SANTA CRUZ 2812
DECELERATION OF ICE STREAM A AND WHILLANS ICE STRE AM (B), WEST ANTARCTICA
09/16/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: S TULACZYK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 33 – OCEANOGRAPHY

NCC 2 1037 UNIV OF CALIFORNIA - SANTA CRUZ 2813
(NAS) AMES EDUCATION ASSOCIATES PROGRAM
05/08/1998 - 06/30/2002 FY02: $45,204 Total: $3,393,249
Prin. Invest.: D L STANSBURY
Tech. Officer: ARC/S . PARKHUST, ARC/R G O'BRIEN III
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1081 UNIV OF CALIFORNIA - SANTA CRUZ 2814
STAR & PLANET FORMATION
01/15/1999 - 02/28/2002 FY02: $0 Total: $365,251
Prin. Invest.: P H BODENHEIMER
Tech. Officer: ARC/D J HOLLENBACH, ARC/P CASSEN
CASE Category: 11 – ASTRONOMY

NCC 2 1260 UNIV OF CALIFORNIA - SANTA CRUZ 2815
COMPARING & UNDERSTANDING DATA DISTRIBUTIONS IN EO S APPLICATIONS
04/26/2001 - 02/28/2003 FY02: $0 Total: $67,301
Prin. Invest.: A PANG
Tech. Officer: ARC/D L KAO, ARC/V R WATSON
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5339 UNIV OF CALIFORNIA - SANTA CRUZ 2816
COLLABORATIVE RESEARCH IN STABLE ISOTOPE BIOGEOCHE MISTRY
07/30/1999 - 07/31/2001 FY02: $0 Total: $89,768
Prin. Invest.: G H RAU
Tech. Officer: ARC/D J DES MARAIS, ARC/L JAHNKE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 5351 UNIV OF CALIFORNIA - SANTA CRUZ 2817
SEARCH FOR THE UPPER TEMPERATURE LIMIT FOR EUKARYA - IS THERE COMPLEX LIFE BEYOND EARTH?
09/03/1999 - 08/31/2001 FY02: $0 Total: $20,000
Prin. Invest.: J PEARSE, J TRENT
Tech. Officer: ARC/M FONDA
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 5358 UNIV OF CALIFORNIA - SANTA CRUZ 2818
THE MOLECULAR BASIS OF HYPERTHEMPHILY
10/18/1999 - 10/14/2001 FY02: $0 Total: $65,540
Prin. Invest.: G MILLHAUSER, R A BOGOMOLNI, J D TRENT
Tech. Officer: ARC/M KLISS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5370 UNIV OF CALIFORNIA - SANTA CRUZ 2819
COLLABORATIVE RESEARCH ON MICROBIAL MAT NITROGEN C YCLING
03/16/2000 - 09/14/2002 FY02: $0 Total: $183,855
Prin. Invest.: J P ZEHR
Tech. Officer: ARC/B N BEBOUT
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5418 UNIV OF CALIFORNIA - SANTA CRUZ 2820
GIANT MOLECULAR CLOUD STRUCTURE & EVOLUTION
02/01/2001 - 02/28/2003 FY02: $0 Total: $61,450
Prin. Invest.: P BODENHEIMER
Tech. Officer: ARC/D J HOLLENBACH, LARC/G LAUGHLIN
CASE Category: 11 – ASTRONOMY

NCC 2 5428 UNIV OF CALIFORNIA - SANTA CRUZ 2821
THREE-DIMENSIONAL MODELING OF ASTEROID & CORNET IM PACTS INTO PLANETARY ATMOSPHERES
03/14/2001 - 08/31/2001 FY02: $0 Total: $30,222
Prin. Invest.: E I ASPHAUGH
Tech. Officer: ARC/K J ZAHNLE, ARC/R E YOUNG
CASE Category: 11 – ASTRONOMY

NCC 2 5436 UNIV OF CALIFORNIA - SANTA CRUZ 2822
ORIGINS & STRUCTURES OF PLANETARY & SATELLITE SYST EMS
05/18/2001 - 04/30/2003 FY02: $0 Total: $49,383
Prin. Invest.: P BODENHEIMER, A R DOBROVOLSKI
Tech. Officer: ARC/J N CUZZI
CASE Category: 11 – ASTRONOMY

NCC 2 5456 UNIV OF CALIFORNIA - SANTA CRUZ 2823
C/C VARIATIONS IN AQUATIC PHOTOAUTOTROPHS: THE PO SSIBLE CON-TRIBUTION OF PHOTORESPIRATORY CARBON EX
08/15/2001 - 07/31/2003 FY02: $0 Total: $21,423
Prin. Invest.: G H RAU
Tech. Officer: ARC/D DESMARAIS, ARC/L JAHNKE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 5480 UNIV OF CALIFORNIA - SANTA CRUZ 2824
METEOROID AIRBURSTS AND IMPACT GENERATED TSUNAMIS
02/08/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: E ASPHAUGH
Tech. Officer: ARC/K ZAHNLE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 5483 UNIV OF CALIFORNIA - SANTA CRUZ 2825
MOLECULAR APPROACHES TO THE IDENTIFICATION OF NITR OGEN FIXING MICROORGANISMS IN MICROBIAL MATS
02/20/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: J ZEHR
Tech. Officer: ARC/B BEBOUT, ARC/L BEBOUT
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5501 UNIV OF CALIFORNIA - SANTA CRUZ 2826
THE EVOLUTION & DESPERAL OF PROTOSTELLAR DISKS
07/16/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: G LAUGHLIN
Tech. Officer: ARC/D HOLLENBACK, ARC/K R BELL
CASE Category: 11 – ASTRONOMY

NGT 2 52260 UNIV OF CALIFORNIA - SANTA CRUZ 2827
VIOLENT VAGABONDS: THE EFFECT OF LARGE IMPACTS & M IGRATION ON GIANT PLANET EVOLUTION
10/26/1999 - 10/14/2001 FY02: $0 Total: $44,000
Prin. Invest.: P H
Tech. Officer: ARC/K J ZAHNLE
CASE Category: 11 – ASTRONOMY

NGT 5 43 UNIV OF CALIFORNIA - SANTA CRUZ 2828
MULTIWAVELENGTH STUDY OF THE EVOLUTION OF GALAXIES NMENT
06/23/1997 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: P GUHATHAKURTA
Tech. Officer: GSFC/M S BURRELL
CASE Category: 11 – ASTRONOMY

NGT 5 108 UNIV OF CALIFORNIA - SANTA CRUZ 2829
MULTI-WAVELENGTH STUDY OF GRBS USING BATSE, HETE II & MILAGRO (STUDENT: MIGUEL MORALES)
06/12/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: D A WILLIAMS
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 13 – PHYSICS

NGT 5 30112 UNIV OF CALIFORNIA - SANTA CRUZ 2830
EROSION AND SEDIMENT FLUXES BY VALLEY GLACIERS THR OUGH THE CLIMATE CYCLE: LINKS BETWEEN ALPINE
08/28/1998 - 03/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: R S ANDERSON
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30415 UNIV OF CALIFORNIA - SANTA CRUZ 2831
MODELING REEF ACCRETION RATES USING HYPERSPECTRAL REMOTE SENSING AND FIELD MEASUREMENTS IN THE NO
08/16/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: D POTTS
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11366 UNIV OF REDLANDS 2832
SCIENCE AND MATHEMATICS BUILDING PROJECT
09/28/2001 - 09/30/2003 FY02: $0 Total: $1,831,000
Prin. Invest.: J R APPLETON
Tech. Officer: GSFC/M V PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12538 UNIV OF REDLANDS 2833
SCIENCE AND MATHEMATICS BUILDING PROJECT
09/19/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: J R APPLETON
Tech. Officer: GSFC/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10049 UNIV OF SAN DIEGO 2834
INNOVATIVE CURRICULAR REVISION & RESEARCH IN FIELD OF EARTH-SYSTEM & SPACE SCIENCE
10/13/2000 - 06/30/2003 FY02: $0 Total: $458,000
Prin. Invest.: S LOWERY
Tech. Officer: GSFC/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11590 UNIV OF SAN DIEGO 2835
BUILDING SUPPORT OF INNOVATIVE CURRICULAR REVISION AND RE-SEARCH IN THE FIELDS OF EARTH-SYSTEM AND
01/28/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: F M LAZARUS
Tech. Officer: GSFC/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1354 UNIV OF SAN DIEGO 2836
FABRICATION AND GROWTH OF ENGINEERED TISSUES: ARTICULAR CARTILAGE W/BIOLOGICAL FUCTIONAL STRAT
08/17/2001 - 09/30/2004 FY02: $0 Total: $59,000
Prin. Invest.: R SAH, A HOGER, S N BHATIA
Tech. Officer: JSC/D RISIN
CASE Category: 56 – MEDICL

NCC 5 308 UNIV OF SAN DIEGO 2837
CREATIVE & INNOVATIVE WORKING PHOTOTYPE EARTH SCIENCE INFOR. PARTNERSHIP IN SUPPORT OF EARTH
01/15/1998 - 12/31/2002 FY02: $0 Total: $1,375,000
Prin. Invest.: J J SIMPSON
Tech. Officer: GSFC/M MAIDEN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 1282 UNIV OF SAN FRANCISCO 2838
DOES GRAVITY INFLUENCE MATRIX SURVIVAL SIGNALING
09/10/2001 - 09/30/2002 FY02: $0 Total: $13,021
Prin. Invest.: C H DAMSKY
Tech. Officer: ARC/E A ALMEIDA, ARC/E M HOLTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 1 1996 UNIV OF SOUTHERN CALIFORNIA 2839
TURBULENCE EFFECTS ON VERY LARGE FLIGHT VEHICLES.
01/23/1998 - 01/31/2002 FY02: $0 Total: $226,000
Prin. Invest.: P B LISSAMAN
Tech. Officer: LARC/J R CURZ
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1489 UNIV OF SOUTHERN CALIFORNIA 2840
INVESTIGATING TEAMWORK AMONG SPACECRAFT (NEWAMES)
06/28/2001 - 04/30/2002 FY02: $0 Total: $50,000
Prin. Invest.: M TAMBE
Tech. Officer: ARC/C J PLAUNT, ARC/J BRESINA
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2124 UNIV OF SOUTHERN CALIFORNIA 2841
STRUCTURE OF FLAME BALLS IN LOW LEWIS NUMBER STRUCTURE OF FLAME BALLS IN LOW LEWIS NUMBER
02/10/1998 - 04/30/2003 FY02: $0 Total: $843,809
Prin. Invest.: P D RONNEY
Tech. Officer: GRC/K J WEILAND
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2125 UNIV OF SOUTHERN CALIFORNIA 2842
THE DYNAMICS OF MISCIBLE INTERFACES: A SPACE FLIG HT EXPERIMENT
02/25/1998 - 12/31/2002 FY02: $0 Total: $575,847
Prin. Invest.: T MAXWORTHY, E H MEIBURG
Tech. Officer: GRC/B SIGH
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2478 UNIV OF SOUTHERN CALIFORNIA 2843
THE DYNAMICS OF PARTICULATE DEPOSITION AND RESUSPE NSION PROCESSES AT MODERATE TO HIGH REYNOLDS NUMB
08/09/2000 - 11/30/2003 FY02: $0 Total: $92,026
Prin. Invest.: D MAXWORTHY
Tech. Officer: GRC/F P CHARIAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2559 UNIV OF SOUTHERN CALIFORNIA 2844
INTEGRATED MICROPHONIC RECEIVER FOR KA-BAND INTEGRATED MICRPHONIC RECEIVER FOR KA-BAND
03/10/2001 - 03/09/2004 FY02: $0 Total: $262,500
Prin. Invest.: A LEVI
Tech. Officer: GRC/J POUCH
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2776 UNIV OF SOUTHERN CALIFORNIA 2845
THE DYNAMICS OF MISCIBLE INTERFACES: A SPACE FLIG HT EXPERIMENT
05/07/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: T MAXWORTHY
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3429 UNIV OF SOUTHERN CALIFORNIA 2846
THE ABUNDANCES OF THE IRON GROUP ELEMENTS IN EARLY B STARS
10/21/1996 - 10/31/2001 FY02: $0 Total: $65,300
Prin. Invest.: G J PETERS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 5018 UNIV OF SOUTHERN CALIFORNIA 2847
ROCKET UNDERFLIGHTS FOR SOHO CROSS-CALIBRATION AND SOLAR ATMOSPHERE INVESTIGATIONS
02/28/1994 - 08/31/2001 FY02: $0 Total: $1,669,385
Prin. Invest.: D J JUDGE
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5333 UNIV OF SOUTHERN CALIFORNIA 2848
FIRST OF 3 YEAR EFFORT IN BASIC SCIENTIFIC RESEARCH WITH USC
06/25/2001 - 06/18/2004 FY02: $0 Total: $289,969
Prin. Invest.: D JUDGE
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6512 UNIV OF SOUTHERN CALIFORNIA 2849
OPTICAL AND ANCILLARY MEASUREMENTS AT HIGH LATITUD ES IN SUPPORT OF THE MODIS OCEAN VALIDATION PROG
12/05/1997 - 09/30/2002 FY02: $0 Total: $310,372
Prin. Invest.: M STRAMSKA
Tech. Officer: GSFC/D O STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6696 UNIV OF SOUTHERN CALIFORNIA 2850
AN INVESTIGATION OF THE HIGH TEMPERATURE CIRCUMSTE LLAR PLASMA IN ALGOL- TYPE INTERACTING BINARIES
12/17/1997 - 12/31/2001 FY02: $0 Total: $40,000
Prin. Invest.: G J PETERS
Tech. Officer: GSFC/R POLIDAN
CASE Category: 11 – ASTRONOMY

NAG 5 6966 UNIV OF SOUTHERN CALIFORNIA 2851
PHYSICAL PROCESSES AT THE HELIOSPHERIC BOUNDARY AN D THEIR DETECTABLE SIGNATURESAT 1 AU. A THEORET
03/05/1998 - 12/31/2001 FY02: $0 Total: $68,300
Prin. Invest.: M A GRUNTMAN
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7117 UNIV OF SOUTHERN CALIFORNIA 2852
EUV OBSERVATIONS OF EARLY B STARS: EUV FLUX VARIAB ILITY IN BETA CMA THROTHROUGHOUT ITS BEAT PERIOD
04/13/1998 - 04/14/2001 FY02: -$35 Total: $11,485
Prin. Invest.: G J PETERS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 7147 UNIV OF SOUTHERN CALIFORNIA 2853
MINIATURIZED OPTICS FREE EUV ARRAY SPECTROMETER TO PROVIDE STABLE SOLAR EUV SPECTRA
03/23/1998 - 04/14/2001 FY02: -$115 Total: $228,140
Prin. Invest.: D L JUDGE
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 8021 UNIV OF SOUTHERN CALIFORNIA 2854
STUDIES OF SOLAR INTERNAL STRUCTURE AND DYNAMICS U SING HIGH DEGREE P-MODE OBSERVATIONS FROM TH
01/22/1999 - 03/31/2002 FY02: $0 Total: $203,000
Prin. Invest.: E J RHODES
Tech. Officer: GSFC/J GURMAN
CASE Category: 11 – ASTRONOMY

NAG 5 8274 UNIV OF SOUTHERN CALIFORNIA 2855
PHOTON ABSORPTION STUDIES OF ATMOSPHERIC GASES UND ER IN-SITU CONDITIONS
04/06/1999 - 12/31/2001 FY02: $0 Total: $154,455
Prin. Invest.: D JUDGE
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8367 UNIV OF SOUTHERN CALIFORNIA 2856
THE ABUNDANCES OF THE IRON GROUP ELEMENTS IN EARLY B STARS (ADP98)
03/01/1999 - 02/28/2002 FY02: $0 Total: $38,889
Prin. Invest.: G PETERS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8545 UNIV OF SOUTHERN CALIFORNIA 2857
STUDIES OF TEMPORAL CHANGES IN SOLAR INTERNAL STRUCTURE & DYNAMICS USING OBSERVATIONS OF INTERM
05/13/1999 - 04/30/2003 FY02: $0 Total: $423,448
Prin. Invest.: E J RHODES
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 8884 UNIV OF SOUTHERN CALIFORNIA 2858
MODELING N2 AND CO2 FIXATION BY THE OCEAN DIAZOTRO PHIC CYANOBACTERIUM, TRICHODESMIUM
11/24/1999 - 09/30/2001 FY02: $0 Total: $59,027
Prin. Invest.: D CAPONE
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8939 UNIV OF SOUTHERN CALIFORNIA 2859
OUTER PLANET UPPER ATMOSHPERE/MAGNETOSPHERE RESEARCH
01/14/2000 - 01/14/2003 FY02: $0 Total: $145,650
Prin. Invest.: D SHEMANSKY
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8978 UNIV OF SOUTHERN CALIFORNIA 2860
OBSERVATION OF THE ACCRETION-DRIVEN BIPOLAR FLOWS IN THE INTERACTING BINARIES TTHYA & V356 SGR FUSE
01/24/2000 - 01/31/2003 FY02: $0 Total: $29,000
Prin. Invest.: G J PETERS
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9124 UNIV OF SOUTHERN CALIFORNIA 2861
CIRCUMSTELLAR MATERIAL & STELLAR COMPONENTS IN HR 2142, A MASSIVE INTERACTING BINARY IN A LATE EVOLU
03/07/2000 - 03/14/2003 FY02: $0 Total: $29,378
Prin. Invest.: G PETERS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9740 UNIV OF SOUTHERN CALIFORNIA 2862
VALIDATION OF THE SEMI-DIURNAL TITAL FLUCTUATIONS IN THE COMPUTATIONS OF WATER LEAVING RADIANCE FROM
08/31/2000 - 08/31/2001 FY02: $0 Total: $27,125
Prin. Invest.: R ITURRIAGA
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10399 UNIV OF SOUTHERN CALIFORNIA 2863
MICROSCALE, MILLIWATT VACUUM PUMPS FOR SAMPLING INSTRUMENTATION
02/13/2001 - 02/29/2004 FY02: $0 Total: $174,272
Prin. Invest.: G SHIFLETT
Tech. Officer: GSFC/M DUTTA
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10930 UNIV OF SOUTHERN CALIFORNIA 2864
INVESTIGATING THE EXCITATION MECHANISM FOR COMETARY X-RAY, EUV, & FUV EMISSIONS (FUSE 2000)
05/17/2001 - 06/30/2002 FY02: $0 Total: $10,000
Prin. Invest.: D E SHEMANSKY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10989 UNIV OF SOUTHERN CALIFORNIA 2865
EXPLORATION OF THE HELIOSPHERIC INTERFACE BY SOLAR BACKSCATTERED LYMAN ALPHA RADIATION: INTERPREATIO
06/05/2001 - 05/31/2003 FY02: $0 Total: $76,041
Prin. Invest.: P K GANGOPADHAY
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11001 UNIV OF SOUTHERN CALIFORNIA 2866
IMPLEMENTATION OF A NEW METHOD FOR THE COMPUTATION OF THE FREQUENCIES & FREQUENCY SPLITTINGS OF THE
06/06/2001 - 05/31/2004 FY02: $0 Total: $88,000
Prin. Invest.: E J RHODES
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11042 UNIV OF SOUTHERN CALIFORNIA 2867
TEMPERATURE-DEPENDENT CROSS SECTION MEASUREMENT OF LIGHT HYDROCARBONS, IN SUPPORT OF OUTER PLANET
06/13/2001 - 06/14/2004 FY02: $0 Total: $53,000
Prin. Invest.: C WU
Tech. Officer: GSFC/D J BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11218 UNIV OF SOUTHERN CALIFORNIA 2868
IMPROVE ESTIMATE OF GAS TRANSFER USING SCATTEROMET ER
08/13/2001 - 10/31/2001 FY02: $0 Total: $103,971
Prin. Invest.: D BOGUCKI
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11304 UNIV OF SOUTHERN CALIFORNIA 2869
MICROGRAVITY TRANSPORT PROCESSES IN FLUID, THERMAL MATERIALS AND BIOLO- GICAL SCIENCES CONFERENCE
08/30/2001 - 08/31/2002 FY02: $0 Total: $15,000
Prin. Invest.: S SADHAL
Tech. Officer: GSFC/D SPEARS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11582 UNIV OF SOUTHERN CALIFORNIA 2870
HIGH-DEGREE P-MODE STRUCTURE AND DYNAMIC STUDIES
01/17/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: E J RHODES
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11802 UNIV OF SOUTHERN CALIFORNIA 2871
HEAVY ELEMENT ABUNDANCES IN EARLY B STARS
02/28/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: G PETERS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11807 UNIV OF SOUTHERN CALIFORNIA 2872
MICRO-LIGHT XRAY TO FAR ULTRAVIOLET(FUV) SPECTRO- METER FOR ATMOSPHERE SCIENCE
02/28/2002 - 02/28/2004 FY02: $0 Total: $0
Prin. Invest.: D L JUDGE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12239 UNIV OF SOUTHERN CALIFORNIA 2873
HEAVY ELEMENT ABUNDANCES IN TWO B0-B0.5 MAIN SEQUE NCE STARS IN THE SMALLMAGELLANIC CLOUD
06/04/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: G J PETERS
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12253 UNIV OF SOUTHERN CALIFORNIA 2874
A STUDY OF THE HIGH TEMPERATURE POLAR PLASMA IN B- TYPE INTERACTING BINARIES
06/12/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: G J PETERS
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12396 UNIV OF SOUTHERN CALIFORNIA 2875
REMOTE SENSING OF PARTICULATE ORGANIC CARBON POOLS IN THE HIGH LATITUDES
07/23/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: M STRAMSKA
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1663 UNIV OF SOUTHERN CALIFORNIA 2876
NON-INTRUSIVE MEASUREMENT OF THERMOPHYSICAL PROPERTIES OF LIQUIDS BY ELETROSTATIC LEVITATION
06/16/2000 - 11/30/2003 FY02: $0 Total: $300,500
Prin. Invest.: S SADHAL
Tech. Officer: MSFC/P DOTY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1701 UNIV OF SOUTHERN CALIFORNIA 2877
EXTINCTION AND INSTABILITY MECHANISMS OF POLYMERIZATION FRONTS
07/19/2000 - 11/30/2003 FY02: $0 Total: $135,000
Prin. Invest.: P RONNEY
Tech. Officer: MSFC/P DOTY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1165 UNIV OF SOUTHERN CALIFORNIA 2878
AUGUMENTED REALITY FOR SPACE FLIGHT
12/07/1999 - 03/09/2003 FY02: $0 Total: $413,559
Prin. Invest.: U NEUMANN
Tech. Officer: JSC/B J WOOLFORD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1444 UNIV OF SOUTHERN CALIFORNIA 2879
SKILL LEARNING BY PRIMITIVES - BASED DEMONSTRATION AND IMITA- TIONS
08/05/2002 - 07/31/2004 FY02: $0 Total: $0
Prin. Invest.: M J MATARIC
Tech. Officer: JSC/R T SAVELY
CASE Category: 22 – COMPUTER SCIENCE

NAS 2 00091 UNIV OF SOUTHERN CALIFORNIA 2880
OPERATION / MGMT OF NASA FAR WEST RTTC
12/21/2000 - 12/31/2002 FY02: $0 Total: $1,202,845
Prin. Invest.: K DOZIER
Tech. Officer: ARC/E ROBINSON, ARC/C CASTELLANO
CASE Category: 42 – ASTRONAUTICAL ENGR

NAS 8 97115 UNIV OF SOUTHERN CALIFORNIA 2881
USC RTTC
01/30/1997 - 12/31/2000 FY02: $0 Total: $5,333,164
Prin. Invest.: G BEKEY
Tech. Officer: ARC/C CASTELLANO
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 2 1224 UNIV OF SOUTHERN CALIFORNIA 2882
BIOLOGICAL ASPECTS OF COMPUTION
04/05/2001 - 02/28/2003 FY02: $0 Total: $250,000
Prin. Invest.: L ADLEMAN
Tech. Officer: ARC/T R GOVINDAN, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1242 UNIV OF SOUTHERN CALIFORNIA 2883
ROBUST SPEECH RECOGNITION USING DYNAMIC SYNAPSE NE URAL NETWORKS
04/25/2001 - 02/28/2003 FY02: $0 Total: $125,000
Prin. Invest.: T W BERGER
Tech. Officer: ARC/L STONE, ARC/M SHAFTO
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5420 UNIV OF SOUTHERN CALIFORNIA 2884
CARBON NANOTUBE MOLECULAR ELECTROCINS
02/09/2001 - 02/28/2003 FY02: $0 Total: $94,999
Prin. Invest.: C ZHOU
Tech. Officer: ARC/M MEYYAPPAN, ARC/H PARTRIDGE
CASE Category: 13 – PHYSICS

NCC 2 5454 UNIV OF SOUTHERN CALIFORNIA 2885
MOLECULAR WIRES AND TRANSISTORS
08/08/2001 - 07/31/2003 FY02: $0 Total: $40,000
Prin. Invest.: C ZHOU
Tech. Officer: ARC/M MEYYAPPAN, ARC/H PARRISAGE
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 671 UNIV OF SOUTHERN CALIFORNIA 2886
TRANSPORT AND CHEMICAL EFFECTS ON CONCURRENT AND O PPOSED-FLOW FLAME SPREAD AT MICROGRAVITY
02/12/1999 - 01/03/2003 FY02: $0 Total: $486,500
Prin. Invest.: P D RONNEY
Tech. Officer: GRC/S A GOKOGLU
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 678 UNIV OF SOUTHERN CALIFORNIA 2887
QUANTITATIVE STUDIE SON THE PROPAGATION AND EXTINC TION OF NEAR-LIMIT FLAMES UNDER NORMAL AND MICROG
03/01/1999 - 11/29/2002 FY02: $0 Total: $300,000
Prin. Invest.: F N EGOLFOPOLUOS
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 827 UNIV OF SOUTHERN CALIFORNIA 2888
ACOUSTIC BUBBLE REMOVAL FROM BOILING SURFACES AND ITS OPTIMI-ZATION
09/29/2000 - 11/30/2003 FY02: $0 Total: $80,249
Prin. Invest.: K OHSAKA
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 834 UNIV OF SOUTHERN CALIFORNIA 2889
DETAILED STUDIES ON THE STRUCTURE AND DYNAMICS OF REACTING DUSTY FLOWS AT NORMAL- AND MICRO-GRAVITY
12/18/2000 - 10/31/2004 FY02: $0 Total: $99,999
Prin. Invest.: P N EGOLFOPOULOS
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 841 UNIV OF SOUTHERN CALIFORNIA 2890
HIGH PRESSURE TRANSPORT PROPERTIES OF FLUIDS: THE ORY AND DATA FROM LEVITATED DROPS AT COMBUSTION-R
12/22/2000 - 11/30/2003 FY02: $0 Total: $45,000
Prin. Invest.: K OHSAKA
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING,OTHER

NCC 3 854 UNIV OF SOUTHERN CALIFORNIA 2891
DETERMINATION OF COOL FLAME QUENCHING DISTANCES AT MICRO-GRAVITY
01/24/2001 - 11/30/2004 FY02: $0 Total: $47,467
Prin. Invest.: H PEARLMAN
Tech. Officer: GRC/J E BROOKER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 871 UNIV OF SOUTHERN CALIFORNIA 2892
THE HIGH-LEWIS NUMBER DIFFUSIVE-THERMAL INSTABILIT Y IN PREMIXED GAS COMBUSTION AND LOW TEMPERATURE
03/01/2001 - 11/30/2004 FY02: $0 Total: $109,485
Prin. Invest.: H PEARLMAN
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

COLORADO

NAG 5 9684 COLORADO SCHOOL OF MINES 2893
LUNAR DATA ANALYSIS PROGRAM PROPOSAL: ECONOMIC EVA LUATION OF POLAR REGIONS USING LUNAR PROSPECT
06/29/2000 - 06/30/2003 FY02: $0 Total: $64,000
Prin. Invest.: M B DUKE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 9 1207 COLORADO SCHOOL OF MINES 2894
EXTRACTION OF VOLATILES FROM LUNAR AND MARTIAN REGOLITHS
03/01/2000 - 02/28/2003 FY02: $0 Total: $229,997
Prin. Invest.: M B DUKE
Tech. Officer: JSC/D MCKAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1364 COLORADO SCHOOL OF MINES 2895
A NOVEL COLLOIDAL MICROFULIDES PLATFORM FOR SPACE BORNE MICRO TOTAL
07/27/2001 - 09/30/2004 FY02: $0 Total: $81,000
Prin. Invest.: D W. M. MARR
Tech. Officer: JSC/D RISIN
CASE Category: 56 – MEDICL

NCC 3 659 COLORADO SCHOOL OF MINES 2896
A FUNDAMENTAL STUDY OF THE COMBUSTION SYNTHESIS OF CERAMIC-METAL COMPOSITE MATERIALS UNDER MICROGRA
01/05/1999 - 11/11/2002 FY02: $0 Total: $358,750
Prin. Invest.: D J MOORE
Tech. Officer: GRC/S A GOKOGLU
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 238 COLORADO SCHOOL OF MINES 2897
PROMOTE COMMERCIALLY FUNDED RESEARCH AND TECH DEV. IN THE FIELD OF SPACE COMBUSTION
02/05/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: F D SCHOWENGERDT
Tech. Officer: MSFC/J SAMS
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2045 COLORADO STATE UNIV 2898
LARGE EDDY SIMULATION OF CIRRUS CLOUDS
04/02/1998 - 10/31/2001 FY02: $0 Total: $142,463
Prin. Invest.: W COTTON
Tech. Officer: LARC/D S MCDOUGAL, LARC/J RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2247 COLORADO STATE UNIV 2899
RETRIEVAL OF PROPERTIES OF HIGH CLOUDS FROM LITE DATA
10/21/1999 - 09/30/2002 FY02: $0 Total: $218,143
Prin. Invest.: G STEPHENS
Tech. Officer: LARC/V DELNORE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02008 COLORADO STATE UNIV 2900
COMPARISON OF CLOUD RESOLVING MODEL SIMULATIONS TO REMODE SENSING DATA
11/19/2001 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: D A RANDALL
Tech. Officer: LARC/G G GIBSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 3 1801 COLORADO STATE UNIV 2901
ADVANCED ELECTRIC PROPULSION RESEARCH
01/23/1996 - 09/30/2003 FY02: $0 Total: $205,107
Prin. Invest.: P J WILBUR
Tech. Officer: GRC/V K RAWLIN
CASE Category: 13 – PHYSICS

NAG 5 4646 COLORADO STATE UNIV 2902
TITLE: USING MULTI-SENSOR DATA TO MODEL FACTORS L IN GLOBAL ARID & SEMIARID LANDS
06/17/1997 - 05/31/2002 FY02: $0 Total: $2,212,780
Prin. Invest.: D OJIMA
Tech. Officer: GSFC/G C GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6228 COLORADO STATE UNIV 2903
VEMAP PHASE II
09/11/1997 - 06/30/2001 FY02: $0 Total: $377,912
Prin. Invest.: D OJIMA
Tech. Officer: GSFC/J RANSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6637 COLORADO STATE UNIV 2904
ASSESSING THE IMPACT OF REMOTE SENSING DATA ON CLO UDINESS PREDICTION IN SHORT-TERM FORECASTS
11/18/1997 - 04/30/2001 FY02: $0 Total: $544,049
Prin. Invest.: P L STEPHENS
Tech. Officer: GSFC/J C DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7717 COLORADO STATE UNIV 2905
IMPROVING TRMM GV & FC GOALS USING POLARIMETRIC RA DAR ANALYSES W/IN-SITUGROUND-BASED AND AIRCRAFT P
10/27/1998 - 10/31/2002 FY02: $0 Total: $306,488
Prin. Invest.: V N BRINGI
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7719 COLORADO STATE UNIV 2906
TOWARDS A MULTISENSOR APPROACH TO IMPROVE ON CURRE NT TRMM RETRIEVALS OF CLOUDS AND PRECIPITATION
10/27/1998 - 10/31/2001 FY02: $0 Total: $257,201
Prin. Invest.: G L STEPHENS
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7783 COLORADO STATE UNIV 2907
MODELED AEROSOL OPTICAL PROPERTIES FROM MEASUREMEN T-BASED MIXTURES OF CHEMICAL SPECIES-ASSESSING TH
11/03/1998 - 12/31/2001 FY02: $0 Total: $100,000
Prin. Invest.: S M KREIDENWEIS
Tech. Officer: GSFC/M MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9308 COLORADO STATE UNIV 2908
FUNDING FOR THE CLOSEOUT OF "FREEZING CHARACTERIST ICS OF SOOT/SULFATE AEROSOLS IN RESPONSE TO NRA-
03/28/2000 - 09/30/2002 FY02: $0 Total: $73,040
Prin. Invest.: D J DEMOTT
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9642 COLORADO STATE UNIV 2909
ANALYSIS OF DATA FROM TRMM/LBA TO VALIDATE TRMM SATELLITE ALGORITHMS & MODELS
06/19/2000 - 11/30/2002 FY02: $0 Total: $355,984
Prin. Invest.: S A RUTLEDGE
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9647 COLORADO STATE UNIV 2910
USE OF TRMM DATA TO TEST AN IMPROVED PARAMETERIZA TION OF STRATIFORM PRECIPITATION
06/20/2000 - 11/30/2003 FY02: $0 Total: $336,432
Prin. Invest.: D A RANDALL
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9655 COLORADO STATE UNIV 2911
TRMM PRECIPITATION RADAR AND MICROPHYSICS: INTERP RETATION AND PRECIPITATION ESTIMATION
06/09/2000 - 11/30/2003 FY02: $0 Total: $193,239
Prin. Invest.: V CHANDRASEKAR
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9665 COLORADO STATE UNIV 2912
TRMM SOUNDING STUDIES
06/06/2000 - 06/14/2003 FY02: $0 Total: $175,500
Prin. Invest.: R H JOHNSON
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10076 COLORADO STATE UNIV 2913
TWO-BEAM SODIUM LIDAR OBSERVATION OF TEMPERATURE & WINDS & PASSIVE OPTICAL MEASUREMENT CLUSTER IN TH
10/24/2000 - 04/30/2003 FY02: $0 Total: $202,000
Prin. Invest.: C SHE
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10482 COLORADO STATE UNIV 2914
THE EFFECTS OF CLIMATE REGIME ON TRMM RETRIEVALS
03/01/2001 - 05/31/2003 FY02: $0 Total: $151,000
Prin. Invest.: W K BERG
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10593 COLORADO STATE UNIV 2915
AN INTERGRATED MULTI-SCALE INVESTIGATION OF GRASS- LAND MAN-AGEMENT: IMPLICATIONS FOR CARBON CYCLING
03/22/2001 - 02/28/2004 FY02: $0 Total: $115,866
Prin. Invest.: R CONANT
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11010 COLORADO STATE UNIV 2916
OBSERVATIONAL, THEORETICAL, AND MODELING RESEARCH IN SUPPORT OF CAMEX
06/06/2001 - 06/14/2004 FY02: $0 Total: $85,000
Prin. Invest.: W H SCHUBERT
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11018 COLORADO STATE UNIV 2917
VALIDATE SATELLITE MEASUREMENTS OF UV RADIATION BY TOMS
06/21/2001 - 06/14/2003 FY02: $0 Total: $69,728
Prin. Invest.: J SLUSSER
Tech. Officer: GSFC/J R HERMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11073 COLORADO STATE UNIV 2918
LAND-USE CHANGE IN TEMPERATE EAST ASIA: LAND COVER CHANGES IMPACTS ON CARBON FLUXES AND LAND PRODUCT
07/19/2001 - 08/14/2004 FY02: $0 Total: $43,225
Prin. Invest.: D OJIMA
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11109 COLORADO STATE UNIV 2919
VALIDATION AND ENHANCEMENT OF AMSR-E CLOUD AND PRECIPITATION PRODUCTS AQUA-0070-0047
07/13/2001 - 08/31/2004 FY02: $0 Total: $56,819
Prin. Invest.: G L STEPHENS
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11140 COLORADO STATE UNIV 2920
ENERGY & WATER CYCLES WITHIN HURRICANES DETERMINED FROM HIGH-RESOLUTIONS SIMULATIONS
08/08/2001 - 08/14/2004 FY02: $0 Total: $44,999
Prin. Invest.: M T MONTGOMERY
Tech. Officer: GSFC/A J NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11189 COLORADO STATE UNIV 2921
THE EXTENSION OF THE TRMM MICROWAVE RAINFALL AND V ERTICAL STRUCTURE ALGORITHM TO OTHER RADIOMET
08/07/2001 - 08/14/2004 FY02: $0 Total: $313,617
Prin. Invest.: C D KUMMEROW
Tech. Officer: GSFC/R L LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11280 COLORADO STATE UNIV 2922
MARS SOIL MECHANICS INVESTIGATION
08/20/2001 - 12/31/2002 FY02: $0 Total: $59,200
Prin. Invest.: H PERKON
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11370 COLORADO STATE UNIV 2923
ENSEMBLE SIMULATIONS OF REGIONAL CLIMATE INCORPORA TING EX-PLICIT VEGETATION DYNAMICS & TERRESTRIAL
10/18/2001 - 10/31/2004 FY02: $114,247 Total: $114,247
Prin. Invest.: R A PIELKE
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11475 COLORADO STATE UNIV 2924
TOWARD UNDERSTANDING THE LIFE-CYCLE OF TROPICAL CIRRUS
12/19/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: G L STEPHENS
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11476 COLORADO STATE UNIV 2925
UPPER TROPOSPHERIC ICE NUCLEI MEASUREMENTS IN CRYSTAL-FACE
12/19/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: P J DEMOTT
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11507 COLORADO STATE UNIV 2926
CUMULONIMBUS/CIRRUS INTERACTIONS IN THE SUB-TROPIC S
01/03/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: W R COTTON
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11710 COLORADO STATE UNIV 2927
MULTI-SCALE COVERGENCE OF COLD-LAND PROCESS REPRES ENTATION IN LAND- SURFACE MODELS,MICROWAVE R
02/06/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: G LISTON
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11737 COLORADO STATE UNIV 2928
VARIATIONS OF CAPE ON DECADAL TIME SCALES
02/12/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: D RANDALL
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11816 COLORADO STATE UNIV 2929
RISK MITIGATION STUDIES FOR EVOLVING DATA AND INFO RMATION SYSTEMS RELATED TO RAINFALL MISSION
03/08/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: C KUMMEROW
Tech. Officer: GSFC/E F STOCKER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12105 COLORADO STATE UNIV 2930
FELLOWSHIPS FOR GRADUATE STUDENTS AS PART OF THE C ENTER FOR EARTH ATOMSPHERE STUDIES
05/06/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: C KUMMEROW
Tech. Officer: GSFC/V V SALOMONSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12273 COLORADO STATE UNIV 2931
RAINFALL AND CONVECTIVE RAIN SYSTEM STRUCTURE DEDU CED FROM AMSR OBSERVATIONS
06/07/2002 - 06/14/2005 FY02: $0 Total: $0
Prin. Invest.: C D KUMMEROW
Tech. Officer: GSFC/R ADLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12275 COLORADO STATE UNIV 2932
CIRA DEVELOPMENT OF A PARALLEL COUPLED OCEAN-ICE F ORECAST MODEL
06/14/2002 - 09/14/2002 FY02: $0 Total: $0
Prin. Invest.: C MATSUMOTO
Tech. Officer: GSFC/S HAKKINEN
CASE Category: 33 – OCEANOGRAPHY

NAG 8 1801 COLORADO STATE UNIV 2933
MINI-MAGNETOSPHERIC PLASMA PROPULSION FOR PLANT- ETARY EXPLO-RATION
04/25/2001 - 02/14/2004 FY02: $0 Total: $101,101
Prin. Invest.: P J WILBUR
Tech. Officer: GRC/V K RAWLIN
CASE Category: 13 – PHYSICS

NAG10 234 COLORADO STATE UNIV 2934
GRAVITY INDUCED CHANGES IN GENE EXPRESSION
09/22/1997 - 12/31/2000 FY02: $0 Total: $353,340
Prin. Invest.: A N REDDY
Tech. Officer: KSC/W M KNOTT
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG13 02005 COLORADO STATE UNIV 2935
APPLICATION OF REMOTELY SENSED IMAGERY TO ASSESING PROBABILI-TIES AND CARBON CONSEQUENCESOF FIRE
12/03/2001 - 12/02/2005 FY02: $0 Total: $0
Prin. Invest.: I BURKE
Tech. Officer: SSC/C DEL CASTILLO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 1 98125 COLORADO STATE UNIV 2936
CLOUDS AND THE EARTH'S ENERGY SYSTEM (CERES) SCIENTIFIC INVES-TIGATION
10/28/1998 - 10/31/2002 FY02: $53,864 Total: $748,271
Prin. Invest.: D A
Tech. Officer: LARC/B A WIELICKI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 99103 COLORADO STATE UNIV 2937
ALGORITHM AND INSTRUMENT SUPPORT ACTIVITIES FOR PICASSO-CENA
05/17/1999 - 05/16/2003 FY02: $0 Total: $133,250
Prin. Invest.: G L STEPHENS, C PLATT
Tech. Officer: LARC/G GIBSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 99237 COLORADO STATE UNIV 2938
CLOUDSAT MISSION AS A PART OF EARTH SYSTEM SCIENCE PATHFINDER (ESSP) PROJECT.
12/17/1999 - 03/31/2005 FY02: $0 Total: $1,126,327
Prin. Invest.: G STEPHENS
Tech. Officer: GSFC/D LEWIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 8 97082 COLORADO STATE UNIV 2939
A STUDY OF THE ROLE OF CLOUDS IN THE RELATIONSHIP BETWEEN LAND USE/LAND COVER AND THE CLIMATE
11/21/1996 - 03/20/2001 FY02: $0 Total: $172,624
Prin. Invest.: S Q KIDDER
Tech. Officer: MSFC/T MILLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1099 COLORADO STATE UNIV 2940
AN EXTENDED ANALYSIS OF SCIENCE OUTREACH PROGRAMS IN THE SPACE LIFE SCIENCES IMPLEMENTEDNASA IN PAR
03/16/1999 - 01/31/2003 FY02: $0 Total: $1,881,516
Prin. Invest.: G VOGT
Tech. Officer: ARC/S POTTER, ARC/M M AVERNER
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1268 COLORADO STATE UNIV 2941
NASA WORKSHOP: WHEN ECOLOGIES COLLLIDE? PLANETARY PROTEC-TION ISSUES IN THE HUMAN EXPOLARTION OF MARS
05/31/2001 - 02/28/2002 FY02: $0 Total: $53,050
Prin. Invest.: M CRISWELL
Tech. Officer: ARC/M FONDA, ARC/M L FONDA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 5 284 COLORADO STATE UNIV 2942
SPATIAL INTEGRATION OF REGIONAL CARBON BALANCE IN AMAZONIA
06/25/1998 - 12/31/2002 FY02: $0 Total: $961,362
Prin. Invest.: A DENNING
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 288 COLORADO STATE UNIV 2943
JOINT RESEARCH STUDIES ON EARTH-ATMOSPHERIC PROBLE MS
06/05/1998 - 03/31/2002 FY02: $0 Total: $992,434
Prin. Invest.: G L STEPHENS
Tech. Officer: GSFC/A J NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 621 COLORADO STATE UNIV 2944
GLOBAL AND REGIONAL CARBON FLUX ESTIMATION USING A TMOSPHERIC CO2 MEASUREMENTS FROM SPACEBORN
01/09/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: A DENNING
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30218 COLORADO STATE UNIV 2945
LIGHTNING & RADAR OBSERVATIONS FROM GROUND-BASED & SPACE-BORNE PLATFORMS: APPLICATIONS FOR TRMM
08/24/1999 - 02/28/2003 FY02: $0 Total: $66,000
Prin. Invest.: S A RUTLEDGE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30344 COLORADO STATE UNIV 2946
THE RESPONSE OF THE NORTH AMERICAN MONSON TO BOUND ARY AND REGIONAL FORCING MECHANISMS AS SIMULAR
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: R PIELKE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30421 COLORADO STATE UNIV 2947
SPACEBORNE OBSERVATIONS OF PRECIPITATION USING NAS A/TRMM AND GPM MISSION(STUDENT: KONRAD GOJARA)
09/07/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: V CHANDRAEKAR
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30438 COLORADO STATE UNIV 2948
ENVIRONMENTAL AND LAND-USE CONTROLS OF CHEATGRASS INVASION (STUDENT: JOHN BRADFORD)
08/20/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: W LAUENROTH
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30458 COLORADO STATE UNIV 2949
DETERMINATION OF THE ROLS OF TROPICAL THIN CIRRUS CLOUDS IN CLIMATE FEEDBACKS THROUGH AN IMPROVE
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: G STEPHENS
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50164 COLORADO STATE UNIV 2950
PROPERTIES OF COMET MANTLE DUST
06/03/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: J NELSON
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 49 COLORADO STATE UNIV 2951
EVALUATION OF GRAVITY-INDEPENDENT CONSTANT FORCE RESISTIVE EXERCISE UNIT
06/29/2000 - 09/30/2001 FY02: -$340 Total: $21,646
Prin. Invest.: S P JAMES
Tech. Officer: JSC/M C GREENNISEN
CASE Category: 46 – MECHANICAL ENGR

NAG 1 2165 UNIV OF COLORADO - BOULDER 2952
COMPARISONS OF THREE DIMENSIONAL NUMERICAL SIMULATIONS OF AMBIENT AND VOLOCANIC STRATOSPHERIC
04/28/1999 - 11/30/2002 FY02: $0 Total: $225,000
Prin. Invest.: O B TOON
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2187 UNIV OF COLORADO - BOULDER 2953
IMPACT OF DESCENDING POLAR MESOSPHERIC NOX ON STRATOSPHERIC OZONE, NRA-98-OES-04
04/27/1999 - 01/31/2002 FY02: $0 Total: $115,000
Prin. Invest.: C E RANDALL
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01053 UNIV OF COLORADO - BOULDER 2954
APPLICATION OF LES TO UNDERSTANDING AND PARAMET- ERIZING THE ARCTIC CLOUDY BOUNDARY LAYER
03/30/2001 - 04/30/2002 FY02: $0 Total: $155,000
Prin. Invest.: J A CURRY, C A GELLILAN, R R REEDER
Tech. Officer: LARC/V E DELNORE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01074 UNIV OF COLORADO - BOULDER 2955
ADVANCED CROSS ENTERPRISE TECHNOLOGY DEVELOPMENT FOR NASA MISSIONS
06/07/2001 - 01/31/2004 FY02: $0 Total: $271,000
Prin. Invest.: A BETY
Tech. Officer: LARC/C MOORE
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 1 01081 UNIV OF COLORADO - BOULDER 2956
ESTIMATES OF NUMBER OF YEARS TO DETECT FUTURE CHANGES IN CLOUDS AND RADIATION
05/15/2001 - 04/30/2003 FY02: $0 Total: $65,414
Prin. Invest.: E C
Tech. Officer: LARC/B A WIELICKI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 1 02009 UNIV OF COLORADO - BOULDER 2957
NUM:INTEGRATED MEMBRANOUS-MICROELEMENT STRUCTURES TECH-NOLOGY
11/26/2001 - 11/25/2004 FY02: $0 Total: $0
Prin. Invest.: K C PARK
Tech. Officer: LARC/W K BELVIN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 1 02046 UNIV OF COLORADO - BOULDER 2958
TERRAIN AWARENESS FOR SMALL AIRCRAFT USING GPS BISTATIC RADAR, DIGITAL ELEVATION MAPS, AND GIS
01/31/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: C AXELROD
Tech. Officer: LARC/K SUTTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02079 UNIV OF COLORADO - BOULDER 2959
ELECTRONICALLY ACTUATED ARTIFICIAL MUSCLE COMPOSED OF A NEM-ATIC LIQUID CRYSTAL ELASTOMER
04/12/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: D M WALBA
Tech. Officer: LARC/D L THOMSEN
CASE Category: 12 – CHEMISTRY

NAG 1 02116 UNIV OF COLORADO - BOULDER 2960
AIRFRAME NOISE MODELING AND CONTROL
09/30/2002 - 09/30/2006 FY02: $0 Total: $0
Prin. Invest.: O V VASILYEV
Tech. Officer: LARC/M R KHORRANI, LARC/C L STREETT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02118 UNIV OF COLORADO - BOULDER 2961
SUPERSONIC AIRCRAFT SHAPING TECHNOLOGY FOR A CONST RAINED SHOCK PRESSURE RISE
09/30/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: C FARHAT, K MAUTE, BARGROW
Tech. Officer: LARC/P G COEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1124 UNIV OF COLORADO - BOULDER 2962
MEASUREMENTS OF LONG LIVED TRACE GASES FROM COMMER CIAL AIRCRAFT PLATFORMS: INSTRUMENT DEVELOPMENT
04/08/1997 - 02/28/2002 FY02: $0 Total: $730,343
Prin. Invest.: L M AVALLONE
Tech. Officer: ARC/E P CONDON, ARC/S S WEGENER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1307 UNIV OF COLORADO - BOULDER 2963
IN SITU MEASUREMENTS OF HALOGEN OXIDES FROM THE DC -8 FOR SOLVE
03/19/1999 - 03/31/2002 FY02: $0 Total: $174,603
Prin. Invest.: D W TOOHEY
Tech. Officer: ARC/E P CONDON, ARC/S R HIPSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1315 UNIV OF COLORADO - BOULDER 2964
THEORETICAL STUDIES OF STRATOSPHERIC CLOUDS & AERO SOLS IN SUPPORT OF SOLVE
04/01/1999 - 03/31/2002 FY02: $0 Total: $100,400
Prin. Invest.: O B TOON
Tech. Officer: ARC/E P CONDON, ARC/R S HIPSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1445 UNIV OF COLORADO - BOULDER 2965
APPLICATION OF AEROSONDE, CLUSTERS TO EVALUATING T HE MESOC-SALE VARIABILITY IN TROPICAL STORMS
09/28/2000 - 03/14/2001 FY02: $0 Total: $90,000
Prin. Invest.: P J WEBSTER
Tech. Officer: ARC/S S WEGENER, ARC/R S HIPSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1506 UNIV OF COLORADO - BOULDER 2966
APPLICATIONS OF THE AEROSONDE TO CAMEX-4
07/17/2001 - 06/30/2002 FY02: $0 Total: $566,807
Prin. Invest.: G J HOLLAND
Tech. Officer: ARC/C P SCOFIELD, ARC/R S HIPSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1561 UNIV OF COLORADO - BOULDER 2967
STRESSA DN COGNITION: A COGNITIVE PYSCHOLOGICAL PE RSPECTIVE
05/24/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: L E BOURNE
Tech. Officer: ARC/I BARSHI, ARC/R DISMUKES
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 1575 UNIV OF COLORADO - BOULDER 2968
BALLOON BORNE SOUNDINGS OF WATER VAPOR OZONE AND T EMPERA-TURE IN THE UPPER TROPOSPEREAND LOWER STRAT
08/06/2002 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: H VOEMEL, S J OLTMANS
Tech. Officer: ARC/C P SCOFIELD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 3 2116 UNIV OF COLORADO - BOULDER 2969
THERMOCAPILLARY-INDUCED PHASE SEPARATION OF DISPER SED SYS-TEMS WITH COALESCENCE
01/28/1998 - 12/31/2002 FY02: $0 Total: $281,250
Prin. Invest.: R H DAVIS
Tech. Officer: GRC/B S SINGH
CASE Category: 43 – CHEMICAL ENGR

NAG 3 2136 UNIV OF COLORADO - BOULDER 2970
DUSTY PLASMA DYNAMICS NEAR SURFACES IN SPACE. DUSTY PLASMA DYNAMICS NEAR SURFACESIN SAPCE.
03/05/1998 - 09/05/2002 FY02: $0 Total: $355,000
Prin. Invest.: J E COLWELL, S ROBERTSON, M HORANYI
Tech. Officer: GRC/H K NAHRA
CASE Category: 13 – PHYSICS

NAG 3 2220 UNIV OF COLORADO - BOULDER 2971
COMBUSTION OF METALS IN REDUCED-GRAVITY AND EXTRAT ERRES-TRIAL ENVIRONMENTS
12/29/1998 - 11/11/2002 FY02: $0 Total: $303,001
Prin. Invest.: M C BRANCH
Tech. Officer: GRC/R FRIEDMAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2267 UNIV OF COLORADO - BOULDER 2972
COLLISIONS INTO DUST EXPERIMENT II COLLISIONS INTO DUST EXPERI-MENT II
05/14/1999 - 04/30/2003 FY02: $0 Total: $113,579
Prin. Invest.: J E COLWELL
Tech. Officer: GRC/B J MOTIL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2400 UNIV OF COLORADO - BOULDER 2973
PHYSICS OF REGOLITH IMPACTS IN MICROGRAVITY EXPERI MENT (PRIME)
04/19/2000 - 11/30/2003 FY02: $0 Total: $135,500
Prin. Invest.: J E COLWELL
Tech. Officer: GRC/B J MOTIL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2402 UNIV OF COLORADO - BOULDER 2974
STRATIFIED TAYLOR-COUETTE FLOW WITH RADIAL BUOYANC Y
04/19/2000 - 11/30/2003 FY02: $0 Total: $125,000
Prin. Invest.: J E HART
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2457 UNIV OF COLORADO - BOULDER 2975
STRUCTURE AND DYNAMICS OF FREELY SUSPENDED LIQUID CRYSTALS
06/07/2000 - 11/30/2003 FY02: $0 Total: $190,153
Prin. Invest.: N A CLARK
Tech. Officer: GRC/F P CHIARMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2587 UNIV OF COLORADO - BOULDER 2976
MILTI-BEAM ANTENNA ARRAYS FOR SATELITE COMMUNICATI ONS
04/04/2001 - 04/14/2003 FY02: $0 Total: $100,000
Prin. Invest.: Z POPOVIC
Tech. Officer: GRC/R Q LEE
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2643 UNIV OF COLORADO - BOULDER 2977
VIRTUAL MISSION OPERATIONS USING INTERNET PROTOCOL S
08/23/2001 - 07/31/2004 FY02: $0 Total: $38,000
Prin. Invest.: E HANSEN
Tech. Officer: GRC/D CAREK
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2651 UNIV OF COLORADO - BOULDER 2978
NEW MATERIALS FOR PROTON-CONDUCTING MEMBRANES NEW MATERI-ALS FOR PROTON-CONDUCTINGMEMBRANES
09/27/2001 - 08/31/2002 FY02: $0 Total: $20,000
Prin. Invest.: J MICHL
Tech. Officer: GRC/P L LOYSELLE
CASE Category: 12 – CHEMISTRY

NAG 3 2716 UNIV OF COLORADO - BOULDER 2979
DYNAMICS OF CHARGED DUST NEAR SURFACES IN SPACE DYNAMICS OF CHARGED DUST NEAR SURFACES IN SPACE
02/27/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D E COLWELL
Tech. Officer: GRC/B J MOTIL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2783 UNIV OF COLORADO - BOULDER 2980
MASS AND MOMENTUM TRANSPORT IN CELL SUSPENSION CUL TURES
05/24/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: P KLAUS
Tech. Officer: GRC/D S NELSON
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3226 UNIV OF COLORADO - BOULDER 2981
THE FUNDAMENTAL PHYSICAL PROCESSES PRODUCING AND CONTROLLING STELLAR CORONAL/TRANSITION
05/07/1996 - 04/30/2002 FY02: $0 Total: $553,000
Prin. Invest.: T A AYRES
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3394 UNIV OF COLORADO - BOULDER 2982
CHARACTERIZING AND QUANTIFYING THE X-RAY VARIABLE SKY
09/06/1996 - 09/14/2003 FY02: $0 Total: $205,188
Prin. Invest.: G S STRINGFELLOW
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3437 UNIV OF COLORADO - BOULDER 2983
LAND AND LAND-USE CHANGE IN THE CLIMATE SENSITIVE HIGH PLAINS: AN AUTOMATED APPROACH WITH LANDSAT
10/07/1996 - 12/31/2001 FY02: $0 Total: $863,197
Prin. Invest.: A GOETZ
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 3438 UNIV OF COLORADO - BOULDER 2984
ENHANCED ANTARCTIC RESEARCH WITH LANDSAT: ICE SHEE T DYNAMICS, HISTORY AND CARTOGRAPHY
10/07/1996 - 06/30/2002 FY02: $0 Total: $263,523
Prin. Invest.: T SCAMBOS
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 3794 UNIV OF COLORADO - BOULDER 2985
LIQUID CRYSTAL FOCAL-PLANE SHUTTERS
03/25/1997 - 07/31/2002 FY02: $0 Total: $58,941
Prin. Invest.: P T STOCKE
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 3949 UNIV OF COLORADO - BOULDER 2986
LOWER IONOSPHERE THERMOSPHERE EXPLORER
02/21/1997 - 12/31/2001 FY02: $0 Total: $199,777
Prin. Invest.: D C SOLOMON
Tech. Officer: GSFC/R HOWARD
CASE Category: 13 – PHYSICS

NAG 5 3967 UNIV OF COLORADO - BOULDER 2987
INTEGRATED ANALYSIS OF COLUMELLA CELL STRUCTURE AN
03/03/1997 - 05/31/2002 FY02: $0 Total: $499,236
Prin. Invest.: A STAEHELIN
Tech. Officer: GSFC/M AVERNER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 4063 UNIV OF COLORADO - BOULDER 2988
ASTROPHYSICS AT THE DISK-HALO INTERFACE
03/18/1997 - 03/31/2002 FY02: $0 Total: $293,400
Prin. Invest.: M J SHULL
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 4095 UNIV OF COLORADO - BOULDER 2989
EVENT RATE FOR LISA GRAVITATIONAL WAVE SIGNALS FRO BLACK HOLE COALESCENCES
03/12/1997 - 03/31/2002 FY02: $0 Total: $192,500
Prin. Invest.: D L BENDER
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 4248 UNIV OF COLORADO - BOULDER 2990
GREENLAND ICE SHEET CLIMATOLOGY AND SURFACE ENERGY GREENLAND CLIMATE NETWORK (GCNET)
03/26/1997 - 03/31/2001 FY02: $0 Total: $853,239
Prin. Invest.: D STEFFEN
Tech. Officer: GSFC/R THOMAS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4343 UNIV OF COLORADO - BOULDER 2991
DUST PLASMA INTERACTION
04/17/1997 - 05/14/2001 FY02: $0 Total: $236,500
Prin. Invest.: D HORANYI
Tech. Officer: GSFC/J BOHLIN
CASE Category: 13 – PHYSICS

NAG 5 4440 UNIV OF COLORADO - BOULDER 2992
RADARSAT ANTARACTIC MAPPING PROJECT
05/13/1997 - 06/30/2002 FY02: $0 Total: $50,939
Prin. Invest.: R G BARRY
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4467 UNIV OF COLORADO - BOULDER 2993
NATURAL OSCILLATIONS OF THE THERMOSPHERE-IONOSPHER
05/27/1997 - 04/30/2002 FY02: $0 Total: $271,054
Prin. Invest.: P FORBES
Tech. Officer: GSFC/M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 4804 UNIV OF COLORADO - BOULDER 2994
A UNIFIED ANALYSIS OF NON-RADIATIVE HEATING AND WI
07/30/1997 - 07/31/2003 FY02: $0 Total: $497,100
Prin. Invest.: G HARPER
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 4918 UNIV OF COLORADO - BOULDER 2995
PENETRATIVE DYNAMICS OF THE SOLAR INTERIOR
07/07/1997 - 11/30/2000 FY02: $0 Total: $261,809
Prin. Invest.: D JULIEN
Tech. Officer: GSFC/W G WAGNER
CASE Category: 13 – PHYSICS

NAG 5 5027 UNIV OF COLORADO - BOULDER 2996
ENERGY TRANSFER IN THE THERMOSPHERE AND MESOSPHERE FUNDING FOR A ONE-YEAR EFFORT IN BASIC RESEARCH
03/03/1995 - 02/29/2004 FY02: $0 Total: $383,148
Prin. Invest.: S SOLOMON
Tech. Officer: GSFC/L EARLY
CASE Category: 13 – PHYSICS

NAG 5 5028 UNIV OF COLORADO - BOULDER 2997
TIDES, PLANNETARY WAVES, AND EDDY FORCING OF THE MEAN MLT CIRCULATION FOR THE TIMED SCIENCE...
03/03/1995 - 03/05/2005 FY02: $0 Total: $835,576
Prin. Invest.: J FORBES
Tech. Officer: GSFC/L J EARLY, GSFC/R H PLESS
CASE Category: 13 – PHYSICS

NAG 5 5096 UNIV OF COLORADO - BOULDER 2998
HIGH RESOLUTION SPECTROSCOPY IN THE FAR AND EXTREME ULTRA-VIOLET
12/02/1996 - 05/31/2003 FY02: $0 Total: $2,325,978
Prin. Invest.: E WILKINSON
Tech. Officer: GSFC/W JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5274 UNIV OF COLORADO - BOULDER 2999
FUNDING FOR PHASE 1 AWARD OF THE OWLS/MARE PROJECT UNESS
06/21/2000 - 04/13/2006 FY02: $0 Total: $370,000
Prin. Invest.: W EMERY
Tech. Officer: WFF/D L PIERCE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 5331 UNIV OF COLORADO - BOULDER 3000
YEAR 1 OF A 3 YEAR GRANT IN BASIC SCIENTIFIC RESEARCH WITH U OF COLORADO FOR X-RAY
04/18/2001 - 12/31/2004 FY02: $0 Total: $100,000
Prin. Invest.: D CASH
Tech. Officer: GSFC/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6048 UNIV OF COLORADO - BOULDER 3001
LATE STAGES OF ACCRETION OF URANUS AND NEPTUNE
07/25/1997 - 06/30/2002 FY02: $0 Total: $164,470
Prin. Invest.: D STEWART
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 6051 UNIV OF COLORADO - BOULDER 3002
ASSESSING FUTURE STABILITY OF US HIGH PLAINS LANDC PROCESS MODELING WITH LANDSAT IN SITU MODERN, AND
07/28/1997 - 09/30/2001 FY02: $0 Total: $530,000
Prin. Invest.: D WEBB
Tech. Officer: GSFC/G C GUTMIN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6134 UNIV OF COLORADO - BOULDER 3003
QUANTIFYING GRASSLAND-TO-WOODLAND TRANSITIONS AND CARBON AND NITROGEN DYNAMICS INTHE SOUTHWEST UNIT
09/08/1997 - 01/31/2002 FY02: $0 Total: $548,190
Prin. Invest.: D A WESSMAN
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6337 UNIV OF COLORADO - BOULDER 3004
X-RAY REPROCESSING IN ACTIVE GALACTIC NUCLEI
10/30/1997 - 06/30/2004 FY02: $0 Total: $421,000
Prin. Invest.: M BEGELMAN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6462 UNIV OF COLORADO - BOULDER 3005
VALIDATION STUDIES AND SENSITIVITY ANALYSES FOR RE TRIEVALS OF SNOW ALBEDO & SNOWCOVERED AREA FROM
10/14/1997 - 09/30/2003 FY02: $0 Total: $288,279
Prin. Invest.: A NOLIN
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6474 UNIV OF COLORADO - BOULDER 3006
IMAGING INTERPLANETARY HYDROGEN WITH ULYSSES
11/13/1997 - 10/31/2001 FY02: $0 Total: $120,000
Prin. Invest.: D PRYOR
Tech. Officer: GSFC/L LING
CASE Category: 11 – ASTRONOMY

NAG 5 6521 UNIV OF COLORADO - BOULDER 3007
IMPROVING THE ACCURACY OF SATELLITE SEA SURFACE TE MPERATURE MEASUREMENTS BY EXPLICITLY ACCOUNTING F
12/05/1997 - 09/30/2001 FY02: $0 Total: $526,369
Prin. Invest.: D EMERY
Tech. Officer: GSFC/J C DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6629 UNIV OF COLORADO - BOULDER 3008
STUDIES OF TROPICAL/MID-LATITUDE EXCHANGE USING UA RS OBSER-VATIONS
11/18/1997 - 11/30/2001 FY02: $0 Total: $160,089
Prin. Invest.: D AVALLONE
Tech. Officer: GSFC/A DOUGLASS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6636 UNIV OF COLORADO - BOULDER 3009
PASSIVE MICROWAVE SNOW COVER ALGORITHM INTERCOMPAR ISON AND VALIDATION
11/18/1997 - 10/31/2001 FY02: $0 Total: $307,162
Prin. Invest.: D L ARMSTRONG
Tech. Officer: GSFC/J C DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6683 UNIV OF COLORADO - BOULDER 3010
MODELING AND ANALYSIS OF UARS DATA IN THE STRATOSP HERE, MESOSPHERE, AND LOWER THERMOSPHERE
12/08/1997 - 11/30/2001 FY02: $0 Total: $80,000
Prin. Invest.: S BAILEY
Tech. Officer: GSFC/C JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6758 UNIV OF COLORADO - BOULDER 3011
LABORATORY STUDIES OF THE VISIBLE SPECTROSCOPY AND CHEMISTRY OF POLYCYCLIC AROMATIC HYDROCARBON (PA
12/24/1997 - 12/31/2002 FY02: $0 Total: $494,662
Prin. Invest.: T P SNOW
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 6791 UNIV OF COLORADO - BOULDER 3012
EXTRACTION OF TIDES AND PLANETARY WAVES FROM SATEL LITE OBSERVATIONS
02/17/1998 - 02/28/2002 FY02: $0 Total: $142,043
Prin. Invest.: S PALO
Tech. Officer: GSFC/M MELLOTT
CASE Category: 11 – ASTRONOMY

NAG 5 6820 UNIV OF COLORADO - BOULDER 3013
ARTIC REGIONAL SEA-ICE ANOMALIES: A DIAGNOSIS OF I CE-ATMOSPHERE OCEAN INTERACTIONS AND LINKAGES TO
01/09/1998 - 12/31/2001 FY02: $0 Total: $257,503
Prin. Invest.: A LYNCH
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6850 UNIV OF COLORADO - BOULDER 3014
UARS - SOLSTICE
01/12/1998 - 12/14/2001 FY02: $0 Total: $723,000
Prin. Invest.: D ROTTMAN
Tech. Officer: GSFC/C JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6875 UNIV OF COLORADO - BOULDER 3015
ABSOLUTE GRAVITY/GPS MEASUREMENTS IN GREENLAND
02/17/1998 - 12/31/2001 FY02: $0 Total: $57,574
Prin. Invest.: J WAHR
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6880 UNIV OF COLORADO - BOULDER 3016
LASER INTERFEROMETRY TECHNIQUES FOR ACCURATE MEASU REMENT OF DISTANCE CHANGES BETWEEN WIDELY SEPA
02/17/1998 - 12/31/2000 FY02: $0 Total: $285,000
Prin. Invest.: R T STEBBINS
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 6900 UNIV OF COLORADO - BOULDER 3017
INVESTIGATIONS OF CLOUDS AND AEROSOLS ON MARS AND VENUS
01/21/1998 - 03/31/2003 FY02: $0 Total: $300,239
Prin. Invest.: O TOON
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 6936 UNIV OF COLORADO - BOULDER 3018
THE EVOLUTION AND X-RAY MORPHOLOGY OF DISTANT CLUS TERS OF GALAXIES
02/04/1998 - 02/14/2002 FY02: $0 Total: $80,000
Prin. Invest.: J T STOCKE
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6984 UNIV OF COLORADO - BOULDER 3019
MEDIUM ENERGY PARTICLE PRECIPITATION EFFECTS ON TH E MESOS-PHERE AND LOWER THERMOSPHERE
02/27/1998 - 03/31/2002 FY02: $0 Total: $229,484
Prin. Invest.: M CODRESCU
Tech. Officer: GSFC/M MELLOTT
CASE Category: 11 – ASTRONOMY

NAG 5 7088 UNIV OF COLORADO - BOULDER 3020
MHD SIMULATIONS OF THE COUPLING BETWEEN IO AND JUP ITER
02/23/1998 - 03/31/2002 FY02: $0 Total: $199,346
Prin. Invest.: F BAGENAL
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 7128 UNIV OF COLORADO - BOULDER 3021
PRECISION MEASUREMENT OF LARGE SCALE STRUCTURE-ATP
03/24/1998 - 02/14/2002 FY02: $0 Total: $207,289
Prin. Invest.: A J HAMILTON
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7223 UNIV OF COLORADO - BOULDER 3022
A SEARCH FOR CORONAL EMISSION AT THE BOTTOM OF THE MAIN-SEQUENCE
04/09/1998 - 04/14/2003 FY02: $0 Total: $9,920
Prin. Invest.: G S STRINGFELLOW
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 7262 UNIV OF COLORADO - BOULDER 3023
THE INTERGALACTIC MEDIUM AND QSO ABSORPTION SYSTEM S_ (LTSA - NEW)
04/28/1998 - 04/30/2002 FY02: $0 Total: $427,900
Prin. Invest.: J SHULL
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 7329 UNIV OF COLORADO - BOULDER 3024
XTE PROPOSAL - RXTE OBSERVATIONS OF M87: INVESTIGA TING THE NON- THERMAL CONTINUUM
04/24/1998 - 04/14/2001 FY02: $0 Total: $8,000
Prin. Invest.: C REYNOLDS
Tech. Officer: GSFC/J SWANK
CASE Category: 11 – ASTRONOMY

NAG 5 7449 UNIV OF COLORADO - BOULDER 3025
RELATIONSHIPS BETWEEN INTERSTELLAR AND INTERPLANET ARY GRAINS
07/02/1998 - 06/30/2002 FY02: $0 Total: $83,500
Prin. Invest.: T P SNOW
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7465 UNIV OF COLORADO - BOULDER 3026
NARROW BAND IMAGING WITH HOLOGRAPHIC TELESCOPES
11/25/1998 - 12/31/2002 FY02: $0 Total: $182,810
Prin. Invest.: D WILKINSON
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 7543 UNIV OF COLORADO - BOULDER 3027
INVESTIGATING DOWNSCALING METHODS AND EVALUATING C LIMATE MODELS FOR USE IN ESTIMATING REGIONAL WATE
06/23/1998 - 07/31/2003 FY02: $0 Total: $270,000
Prin. Invest.: A FREI
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7638 UNIV OF COLORADO - BOULDER 3028
INTERFEROMETRIC TECHNIQUES FOR GRAVITATIONAL WAVE DETECTION IN SPACE
12/08/1998 - 06/30/2002 FY02: $0 Total: $138,000
Prin. Invest.: D BENDER
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 7652 UNIV OF COLORADO - BOULDER 3029
AN INVESTIGATION OF THE EFFECT OF PARTICLE IONIZAT ION ON THE EARTH'S MIDDLE ATMOSPHERE AND ITS R
08/25/1998 - 09/30/2001 FY02: $0 Total: $195,000
Prin. Invest.: D W RUSCH
Tech. Officer: HQ/J SHARBER
CASE Category: 11 – ASTRONOMY

NAG 5 7679 UNIV OF COLORADO - BOULDER 3030
CLOUD STRUCTURE RECONSTRUCTION AND SHORTWAVE RADIA TIVE TRANSFER MODELING FOR ARMYEAR 1 OF A 3 YEAR
09/17/1998 - 02/28/2002 FY02: $0 Total: $143,000
Prin. Invest.: K EVANS
Tech. Officer: GSFC/W WISCOMBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7703 UNIV OF COLORADO - BOULDER 3031
FUNDING FOR 'TEMPORAL VARIATIONS OF THE GEOPOTENTI AL' (SENH98-0102)
09/23/1998 - 09/30/2003 FY02: $0 Total: $286,000
Prin. Invest.: J M WAHR
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7723 UNIV OF COLORADO - BOULDER 3032
THE DISK WIND MODEL OF THE BROAD LINE REGIONS IN A CTIVE GALACTIC NUCLEI AND CATACLYSMIC VARI
09/23/1998 - 09/30/2002 FY02: $0 Total: $174,047
Prin. Invest.: M C BEGELMAN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7725 UNIV OF COLORADO - BOULDER 3033
MODEL PREDICTIONS OF INTERACTIONS BETWEEN SOLAR AN D ANTHRO-POGENIC PERTURBATIONS IN THE EARTH'
09/23/1998 - 09/30/2001 FY02: $0 Total: $62,000
Prin. Invest.: D RUSCH
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 7760 UNIV OF COLORADO - BOULDER 3034
CHARACTERIZING THE SIPLE COAST ICE STREAM SYSTEM U SING SATELLITE IMAGES,IMPROVEDTOPOGRAPHY, AND IN
12/21/1998 - 12/31/2002 FY02: $0 Total: $119,876
Prin. Invest.: T A SCAMBOS
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 7784 UNIV OF COLORADO - BOULDER 3035
SOLAR MESOSPHERE EXPLORER MEASUREMENTS OF EL CHICH ON AEROSOLS
11/09/1998 - 10/31/2001 FY02: $0 Total: $173,850
Prin. Invest.: C E RANDALL
Tech. Officer: GSFC/M MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7838 UNIV OF COLORADO - BOULDER 3036
STUDY OF ANOMALOUS VARIATION OF THE TOTAL SOLAR IR RADIANCE AT THE BEGINNING OF SOLAR CYCLE 23
12/16/1998 - 12/14/2001 FY02: $0 Total: $125,020
Prin. Invest.: G DE TOMA
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 7996 UNIV OF COLORADO - BOULDER 3037
GLOBAL AND LOCAL HELIOSEISMIC STUDIES OF SOLAR CON VECTION ZONE DYNAMICS USING SOI-MDI
01/05/1999 - 12/31/2002 FY02: $0 Total: $685,000
Prin. Invest.: J TOOMRE
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE,OTHER

NAG 5 8047 UNIV OF COLORADO - BOULDER 3038
A COMPARATIVE ANALYSIS OF THE GALILEO-ERA IO TORUS & ATMO-SPHERE
01/15/1999 - 01/14/2001 FY02: $0 Total: $105,000
Prin. Invest.: N M SCHNEIDER
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8096 UNIV OF COLORADO - BOULDER 3039
ULTRAVIOLET STUDIES OF JUPITER'S HYDROCARBONS AND AEROSOLS FROM GALILEO
01/29/1999 - 06/30/2003 FY02: $0 Total: $110,000
Prin. Invest.: D R PRYOR
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8108 UNIV OF COLORADO - BOULDER 3040
THE YOUNGEST STARS - LTSA 98
02/11/1999 - 02/14/2004 FY02: $0 Total: $295,256
Prin. Invest.: J BALLY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8127 UNIV OF COLORADO - BOULDER 3041
"INFRARED OPTICAL CONSTANTS OF PARTICLES IN THE LO WER STRATO-SPHERE AND UPPER TROPOSPHERE"
02/04/1999 - 03/31/2002 FY02: $0 Total: $318,188
Prin. Invest.: M A TOLBERT
Tech. Officer: GSFC/M D KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8133 UNIV OF COLORADO - BOULDER 3042
GLOBAL MODELS OF SOLAR CONVECTION, ROTATION AND MA GNETIC ACTIVITY
03/02/1999 - 04/30/2003 FY02: $0 Total: $896,788
Prin. Invest.: J TOOMRE
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 11 – ASTRONOMY

NAG 5 8178 UNIV OF COLORADO - BOULDER 3043
ULTRAVIOLET PHOTOMETRIC PARAMETERS OF THE ICY GALI LEAN SAT-ELLITES AND THE MOON
02/11/1999 - 02/14/2001 FY02: $0 Total: $64,800
Prin. Invest.: A HENDRIX
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8236 UNIV OF COLORADO - BOULDER 3044
SN1987A: THE BIRTH OF A SUPERNOVA REMNANT (ATP 98)
02/25/1999 - 02/28/2003 FY02: $0 Total: $299,308
Prin. Invest.: R A MCCRAY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8247 UNIV OF COLORADO - BOULDER 3045
GGS CEPPAD SUPPLEMENT
02/24/1999 - 01/31/2002 FY02: $0 Total: $276,000
Prin. Invest.: D BAKER
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8256 UNIV OF COLORADO - BOULDER 3046
JOVIAN AURORAL CHEMISTRY
02/11/1999 - 02/14/2003 FY02: $0 Total: $35,304
Prin. Invest.: W PRYOR
Tech. Officer: GSFC/DBOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8259 UNIV OF COLORADO - BOULDER 3047
MULTISPECTRAL MAPPING OF THE MARTIAN POLAR ICE CAP S
02/16/1999 - 02/28/2003 FY02: $0 Total: $217,000
Prin. Invest.: A W NOLIN
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8266 UNIV OF COLORADO - BOULDER 3048
WAVE STRUCTURES AND VERTICAL COUPLING IN THE MARTI AN ATMO-SPHERE
02/24/1999 - 05/31/2002 FY02: $0 Total: $125,900
Prin. Invest.: J M FORBES
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8311 UNIV OF COLORADO - BOULDER 3049
THE DIURNAL CYCLE OF CONVECTION AND ITS INTERACTIO N WITH THE LARGE SCALECIRCULATION
03/12/1999 - 02/28/2002 FY02: $0 Total: $159,769
Prin. Invest.: M L SALBY
Tech. Officer: GSFC/J R CURRAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8320 UNIV OF COLORADO - BOULDER 3050
INTEGRATING MICROWAVE AND HYPERSPECTRAL REMOTE SEN SING FOR ESTIMATING VEGETATION STRUCTURE AND BI
04/06/1999 - 03/31/2002 FY02: $0 Total: $135,131
Prin. Invest.: G P ASNER
Tech. Officer: GSFC/D C WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8338 UNIV OF COLORADO - BOULDER 3051
PHOTOMETRIC ANALYSIS OF THE JOVIAN RING SYSTEM AND MODELING OF RING ORIGIN AND EVOLUTION
03/23/1999 - 04/30/2003 FY02: $0 Total: $122,874
Prin. Invest.: L W ESPOSITO
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8362 UNIV OF COLORADO - BOULDER 3052
THEORETICAL STUDIES OF MICROPHYSICAL MARINE BOUNDA RY-LAYER CLOUDS
03/15/1999 - 03/14/2002 FY02: $0 Total: $105,532
Prin. Invest.: O B TOON
Tech. Officer: GSFC/M MISCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8399 UNIV OF COLORADO - BOULDER 3053
POLAR PATHFINDER HDF-EOS PILOT PROJECT
05/14/1999 - 05/14/2001 FY02: $0 Total: $92,006
Prin. Invest.: R L WEAVER
Tech. Officer: GSFC/K MOE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 8442 UNIV OF COLORADO - BOULDER 3054
NONLINEAR MODELING OF HIGH-LATITUDE ELECTRODYNAMIC S AND MID-LATITUDE CURRENTS AND PREDICTION FROM R
04/08/1999 - 04/30/2002 FY02: $0 Total: $50,418
Prin. Invest.: D N BAKER
Tech. Officer: GSFC/A J KLIMAS
CASE Category: 13 – PHYSICS

NAG 5 8538 UNIV OF COLORADO - BOULDER 3055
SUPERCONDUCTING MIXERS FOR FAR INFRARED SPECTROSCO PY.
08/11/1999 - 08/14/2002 FY02: $0 Total: $203,000
Prin. Invest.: A L BETZ
Tech. Officer: GSFC/F HERRERO
CASE Category: 11 – ASTRONOMY

NAG 5 8615 UNIV OF COLORADO - BOULDER 3056
APPLICATION OF SATELLITE SAR IMAGERY IN MAPPING THE ACTIVE LAYER OF ARCTIC PERMAFROST
06/14/1999 - 09/30/2002 FY02: $35,688 Total: $101,703
Prin. Invest.: T ZHANG
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8643 UNIV OF COLORADO - BOULDER 3057
DISTRIBUTION & AUTOMATION TECHNOLOGY APPLICATION, "DATA"
07/08/1999 - 06/30/2001 FY02: $0 Total: $568,626
Prin. Invest.: E R HANSEN
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 8697 UNIV OF COLORADO - BOULDER 3058
ALGORITHMS FOR AUTONOMOUS GPS ORBIT DETERMINATION & FORMA-TION FLYING
08/18/1999 - 08/14/2001 FY02: $0 Total: $146,780
Prin. Invest.: P AXELRAD
Tech. Officer: GSFC/J LEITNER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8709 UNIV OF COLORADO - BOULDER 3059
LAND USE IMPACTS ON SUBTROPICAL BIOGEOCHEMICAL CYC LES: AN INTEGRATED FIELD-PROCESSING MODELING-REMO
07/29/1999 - 07/31/2003 FY02: $0 Total: $366,582
Prin. Invest.: G ASNER
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8755 UNIV OF COLORADO - BOULDER 3060
INTERCALIBRATION OF MESOSPHERE/LOWER THERMOSPHERE WINDS FROM SPACE-BASED & GROUND-BASED MEASUREMENTS
08/12/1999 - 08/14/2003 FY02: $0 Total: $46,500
Prin. Invest.: J M FORBES
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8910 UNIV OF COLORADO - BOULDER 3061
SMALL-SCALE POLYGONS AND THE HISTORY OF GROUND ICE ON MARS
12/29/1999 - 02/14/2001 FY02: $0 Total: $58,900
Prin. Invest.: M T MELLON
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8923 UNIV OF COLORADO - BOULDER 3062
LABORATORY STUDIES OF LOW TEMPERATURE RATE COEFFEC IENTS: THE ATMOSPHERICCHEMISTRY OF THE OUTER PLAN
01/06/2000 - 12/31/2002 FY02: $0 Total: $214,008
Prin. Invest.: D R LEONE
Tech. Officer: GSFC/R B BEEBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8940 UNIV OF COLORADO - BOULDER 3063
GALILEO MULTI-SPECTRAL ANALYSIS
01/13/2000 - 09/30/2001 FY02: $0 Total: $8,241
Prin. Invest.: K SIMMONS
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9007 UNIV OF COLORADO - BOULDER 3064
SATELLITE ATMOSPHERE & IO TORUS OBSERVATIONS
01/28/2000 - 01/31/2003 FY02: $0 Total: $192,475
Prin. Invest.: N M SCHNEIDER
Tech. Officer: GSFC/T H MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9010 UNIV OF COLORADO - BOULDER 3065
FUV SPECTRA OF EVOLVED LATE-K AND M STARS: MASS LOSS REVISITED AND STELLAR ACTIVITY - FUSE
02/02/2000 - 01/31/2003 FY02: $0 Total: $67,000
Prin. Invest.: G HARPER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9018 UNIV OF COLORADO - BOULDER 3066
HIGH VELOCITY CLOUDS: ORIGIN & ENVIRONMENT - FUSE
02/03/2000 - 01/31/2002 FY02: $0 Total: $24,540
Prin. Invest.: J SHULL
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9026 UNIV OF COLORADO - BOULDER 3067
SIMULATION & THEORETICAL MODELING OF OBSERVATIONS OF BIPOLAR STRUCTURE & LOW FREQUENCY WAVES IN THE
02/03/2000 - 02/28/2003 FY02: $0 Total: $167,218
Prin. Invest.: M V GOLDMAN
Tech. Officer: GSFC/M MELLOTT
CASE Category: 11 – ASTRONOMY

NAG 5 9041 UNIV OF COLORADO - BOULDER 3068
STELLAR WINDS, HYDROGEN WALLS, AND THE LOCAL INTER STELLAR MEDIUM_-LTSA99
02/22/2000 - 02/28/2003 FY02: $0 Total: $228,346
Prin. Invest.: B WOOD
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9043 UNIV OF COLORADO - BOULDER 3069
CLIMATOLOGY OF ARCTIC CANADA
02/22/2000 - 02/28/2003 FY02: $0 Total: $74,066
Prin. Invest.: K STEFFEN
Tech. Officer: GSFC/W ABDALATI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9092 UNIV OF COLORADO - BOULDER 3070
ION ETCHED HOLOGRAPHIC GRATINGS
02/17/2000 - 01/31/2003 FY02: $0 Total: $165,360
Prin. Invest.: J GREEN
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9114 UNIV OF COLORADO - BOULDER 3071
PHASE-A AND BRIDGE PHASE STUDY OF STEREO/WAVES ACCOMMODATION
03/01/2000 - 12/31/2002 FY02: $0 Total: $58,206
Prin. Invest.: R ERGUN
Tech. Officer: GSFC/M L KAISER
CASE Category: 11 – ASTRONOMY

NAG 5 9172 UNIV OF COLORADO - BOULDER 3072
DUSTY PLASMAS IN PLANETARY MAGNETOSPHERES
03/08/2000 - 02/28/2003 FY02: $0 Total: $148,094
Prin. Invest.: M HORANYI
Tech. Officer: GSFC/J SHARBER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9201 UNIV OF COLORADO - BOULDER 3073
THERMOSPHERIC ODD-NITROGEN RESPONSE TO AURORAL ENERGY
03/09/2000 - 09/14/2001 FY02: $0 Total: $41,400
Prin. Invest.: S SOLOMON
Tech. Officer: GSFC/J SCHARBER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9304 UNIV OF COLORADO - BOULDER 3074
CLOSEOUT OF "LABORATORY STUDIES OF THE NUCLEATION, COMPOSITION & REACTIVITY OF AIRCRAFT CONDENSATION
03/22/2000 - 03/31/2002 FY02: $0 Total: $154,236
Prin. Invest.: D A TOLBERT
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9336 UNIV OF COLORADO - BOULDER 3075
INVESTIGATION OF RADIO TOMOGRAPHY IMAGING OF THE MAGNETOSPHERE
03/27/2000 - 02/28/2003 FY02: $0 Total: $151,700
Prin. Invest.: R ERGUN
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9353 UNIV OF COLORADO - BOULDER 3076
CHARACTERIZATION AND NUMERICAL SIMULATION OF FAST SOLITARY WAVES IN THE AURORAL IONOSPHERE
03/30/2000 - 03/31/2002 FY02: $0 Total: $72,600
Prin. Invest.: R ERGUN
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9404 UNIV OF COLORADO - BOULDER 3077
GLOBAL & REGIONAL IMPACTS OF MESOCSCALE VARIABILIT Y IN AIR-SEA FLUXES
04/10/2000 - 04/30/2003 FY02: $0 Total: $615,712
Prin. Invest.: P J WEBSTER
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9412 UNIV OF COLORADO - BOULDER 3078
STANDARD GLOBAL SNOW COVER PRODUCTS FROM SATELLITE REMOTE SENSING
05/08/2000 - 05/14/2003 FY02: $0 Total: $226,805
Prin. Invest.: R ARMSTRONG
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9421 UNIV OF COLORADO - BOULDER 3079
ENERGIZATION AND LOSS OF OUTER RADIATION BELT ELEC TRONS
04/11/2000 - 04/30/2003 FY02: $0 Total: $92,277
Prin. Invest.: X LI
Tech. Officer: GSFC/J SHARBER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9443 UNIV OF COLORADO - BOULDER 3080
CHARGED AEROSOLS
04/13/2000 - 05/31/2001 FY02: $0 Total: $36,800
Prin. Invest.: S ROBERTSON
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9448 UNIV OF COLORADO - BOULDER 3081
KLE ANALYSIS OF SCIGN GPS DATA
04/12/2000 - 04/14/2003 FY02: $0 Total: $80,000
Prin. Invest.: J B RUNDLE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9450 UNIV OF COLORADO - BOULDER 3082
USE OF SATELLITE GRAVIMETRY TO DEVELOP AND TEST A LAND WATER- AND ENERGY-BALANCE MODEL
04/12/2000 - 04/30/2003 FY02: $0 Total: $72,266
Prin. Invest.: J WAHR
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9474 UNIV OF COLORADO - BOULDER 3083
THERMOSPHERIC OXYGEN MAPPER (TOM)
04/17/2000 - 04/30/2003 FY02: $0 Total: $361,021
Prin. Invest.: A L BETZ
Tech. Officer: GSFC/B BETTS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9477 UNIV OF COLORADO - BOULDER 3084
ADVANCING GLACIOLOGICAL APPLICATIONS OF REMOTE SEN SING WITH EO-1
04/24/2000 - 04/30/2003 FY02: $59,230 Total: $117,810
Prin. Invest.: T SCAMBOS
Tech. Officer: GSFC/R BINDSCHADLER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9491 UNIV OF COLORADO - BOULDER 3085
LITHOSPHERIC DYNAMICS OF MARS: WATER, FLOW, AND FAILURE
05/17/2000 - 04/14/2003 FY02: $0 Total: $84,830
Prin. Invest.: R E GRIMM
Tech. Officer: GSFC/J A GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9537 UNIV OF COLORADO - BOULDER 3086
FORMATION OF MAGNETIC STRUCTURES AT THE BASE OF THE SOLR CONVECTION ZONE
05/04/2000 - 05/14/2003 FY02: $0 Total: $183,523
Prin. Invest.: N H BRUMMELL
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9568 UNIV OF COLORADO - BOULDER 3087
REGIONAL INTEGRATED MONITORING SYSTEM FOR THE HYDR OLOGY OF THE PAN-ARCTIC LAND MASS
05/17/2000 - 05/31/2003 FY02: $0 Total: $296,121
Prin. Invest.: M SERREZE
Tech. Officer: GSFC/P HAUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9590 UNIV OF COLORADO - BOULDER 3088
CHARACTERIZING THE OXIDIZING PROPERTIES OF MARS' POLAR RE-GIONS
05/15/2000 - 05/14/2002 FY02: $0 Total: $85,000
Prin. Invest.: A R HENDRIX
Tech. Officer: GSFC/J BOYCE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9602 UNIV OF COLORADO - BOULDER 3089
EVALUATION AND ERROR ASSESSMENT OF OPERATIONAL PASSIVE MI-CROWAVE ALGORITHMS
05/17/2000 - 12/31/2001 FY02: $0 Total: $72,723
Prin. Invest.: J STROEVE
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9631 UNIV OF COLORADO - BOULDER 3090
MULTI-DECADE OBSERVATIONS OF MARTIAN SURFACE VARIA BILITY & SEDIMENT TRANSPORT: INTEGRATED ANALYSES
05/26/2000 - 05/31/2003 FY02: $0 Total: $120,000
Prin. Invest.: S W LEE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9694 UNIV OF COLORADO - BOULDER 3091
ATMOSPHERIC MODELING AND INFRARED OBSERVATIONS OF A TRANSIT-ING EXTRA-SOLAR PLANET
06/27/2000 - 09/30/2003 FY02: $0 Total: $46,914
Prin. Invest.: L W ESPOSITO
Tech. Officer: GSFC/L D DEMING
CASE Category: 11 – ASTRONOMY

NAG 5 9722 UNIV OF COLORADO - BOULDER 3092
GLOBAL LAND ICE MEASUREMENTS FROM SPACE
06/22/2000 - 06/30/2003 FY02: $0 Total: $200,000
Prin. Invest.: G R SCHARFEN
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9753 UNIV OF COLORADO - BOULDER 3093
RETRIEVAL OF HYDROMETER SIZE DISTRIBUTIONS FROM TRMM FIELD CAMPAIGN PROFILER DOPPLER VELOCITY SPEC
06/23/2000 - 06/30/2003 FY02: $0 Total: $111,156
Prin. Invest.: C R WILLIAMS
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERICSCIENCE

NAG 5 9779 UNIV OF COLORADO - BOULDER 3094
ORIGIN OF MAGNETIC LINEATIONS ON MARS
07/10/2000 - 06/30/2002 FY02: $0 Total: $100,500
Prin. Invest.: R E GRIMM
Tech. Officer: GSFC/J BOYCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9861 UNIV OF COLORADO - BOULDER 3095
IMPROVING THE SIMULATION OF SEA ICE LEAD CONDITION & TURBULENT FLUXES USING RGPS PRODUCTS & MERGED
08/09/2000 - 07/31/2003 FY02: $0 Total: $234,058
Prin. Invest.: J MASLANIK
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10000 UNIV OF COLORADO - BOULDER 3096
DYNAMICS OF PLANETESIMALS AND PLANETARY ACCRETION
09/20/2000 - 08/31/2001 FY02: $0 Total: $70,000
Prin. Invest.: G STEWART
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10083 UNIV OF COLORADO - BOULDER 3097
CONTEMPORANEOUS XMM & HST OBSERVATIONS OF SEYFERT GALAXIES
11/06/2000 - 11/14/2001 FY02: $0 Total: $14,495
Prin. Invest.: C S REYNOLDS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10106 UNIV OF COLORADO - BOULDER 3098
STUDENT NITRIC OXIDE EXPERIEMNT (SNOE) - EXTENDED MISSION
11/24/2000 - 12/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: C A BARTH
Tech. Officer: GSFC/C P HOLMES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10155 UNIV OF COLORADO - BOULDER 3099
SMALL-SCALE POLYGONS AND THE HISTORY OF GROUND ICE ON MARS
12/18/2000 - 12/31/2002 FY02: $0 Total: $62,000
Prin. Invest.: M T MELLON
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10211 UNIV OF COLORADO - BOULDER 3100
ABSOLUTE GRAVITY/GPS MEASUREMENTS IN GREENLAND
01/03/2001 - 12/31/2002 FY02: $0 Total: $19,278
Prin. Invest.: J WAHR
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10213 UNIV OF COLORADO - BOULDER 3101
FAR INFRARED FOCAL PLANE ARRAYS
01/04/2001 - 01/14/2004 FY02: $0 Total: $290,000
Prin. Invest.: A L BETZ
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10259 UNIV OF COLORADO - BOULDER 3102
STUDIES FOR IMPROVED GRAVITATIONAL WAVE SENSITIVIT Y
01/09/2001 - 12/31/2002 FY02: $0 Total: $35,000
Prin. Invest.: P L BENDER
Tech. Officer: GSFC/P CRANE
CASE Category: 13 – PHYSICS

NAG 5 10265 UNIV OF COLORADO - BOULDER 3103
DISTRUBUTION OF NEAR-SURFACE GROUND ICE ON MARS
01/09/2001 - 12/31/2003 FY02: $0 Total: $65,000
Prin. Invest.: M MELLON
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10288 UNIV OF COLORADO - BOULDER 3104
IMPROVING THE ACCURACY OF SATELLITE SEA SURFACE TEMPERATURE MEASUREMENTS BY EXPLICITLY ACCOUNTING
01/29/2001 - 01/31/2002 FY02: $0 Total: $125,000
Prin. Invest.: W EMERY
Tech. Officer: GSFC/J C DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10309 UNIV OF COLORADO - BOULDER 3105
STUDY OF THE INFLUENCE OF SMALL SCALE E-FIELD VARI ABILITY ON THE DISTRIBUTION OFGEOMAGENTIC
01/24/2001 - 04/30/2003 FY02: $0 Total: $41,000
Prin. Invest.: M CODRESCU
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10319 UNIV OF COLORADO - BOULDER 3106
EXCITATION AND ABUNDANCIES IN N132D - FUSE.
01/29/2001 - 01/31/2003 FY02: $0 Total: $25,500
Prin. Invest.: J A MORSE
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10325 UNIV OF COLORADO - BOULDER 3107
THE UNUSUAL WOLF-RAYET STAR EZ CMA
01/31/2001 - 01/31/2003 FY02: $0 Total: $14,328
Prin. Invest.: S L SKINNER
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10326 UNIV OF COLORADO - BOULDER 3108
DECIPHERING THE X-RAY EMISSION OF THE NEAREST HERBIG AE STAR
01/31/2001 - 01/31/2003 FY02: $0 Total: $15,000
Prin. Invest.: S L SKINNER
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10339 UNIV OF COLORADO - BOULDER 3109
FUV SPECTRA OF EVOLVED LATE-K & M STARS: MASS LOSS REVISITED & STELLAR ACTIVITY -FUSE
02/05/2001 - 02/14/2003 FY02: $0 Total: $56,500
Prin. Invest.: G HARPER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10340 UNIV OF COLORADO - BOULDER 3110
MAGNETOSPHERES AND WINDS IN THE RAPID BRAKING ZONE (FUSE 00)
02/05/2001 - 02/14/2003 FY02: $0 Total: $83,900
Prin. Invest.: T R AYRES
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10362 UNIV OF COLORADO - BOULDER 3111
X-RAY EMISSION IN WOLF-RAYET STARS: XMM REVEALS THE SHOCKING TRUTH
02/06/2001 - 02/14/2003 FY02: $0 Total: $15,078
Prin. Invest.: S L SKINNER
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10368 UNIV OF COLORADO - BOULDER 3112
WIDELY TUNABLE OPTICAL LOCAL OSCILLATORS WITH 1 E-15 STABILITY: ULTRASTABLE LASER SYSTEMS
02/12/2001 - 02/14/2004 FY02: $0 Total: $392,722
Prin. Invest.: J L HALL
Tech. Officer: GSFC/W HEAPS
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 10413 UNIV OF COLORADO - BOULDER 3113
REMOTE SENSING OF PLANETARY SURFACES
02/14/2001 - 02/14/2002 FY02: $0 Total: $45,000
Prin. Invest.: B JAKOSKY
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10418 UNIV OF COLORADO - BOULDER 3114
GEOMORPHOLOGY AND GEODYNAMICS AT CRUSTAL BOUNDARIE S WITHIN ASIA AND AFRICA.
02/22/2001 - 02/28/2003 FY02: $0 Total: $30,000
Prin. Invest.: R G BILHAM
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10474 UNIV OF COLORADO - BOULDER 3115
SOLAR WIND FLUCTUATIONS & THEIR CONSEQUENCES ON THE MAG-NETOSPHERE
02/27/2001 - 02/28/2004 FY02: $0 Total: $82,080
Prin. Invest.: X LI
Tech. Officer: GSFC/J SPANN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10508 UNIV OF COLORADO - BOULDER 3116
DYNAMICS OF PLANETESIMALS AND PLANETARY ACCRETION
03/05/2001 - 02/28/2003 FY02: $0 Total: $82,000
Prin. Invest.: G R STEWART
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10556 UNIV OF COLORADO - BOULDER 3117
INVESTIGATION OF THE ASSIMILATION OF ICE MOTION DATA IN SEA ICE MODELS
03/12/2001 - 03/14/2004 FY02: $0 Total: $96,593
Prin. Invest.: T ARBETTER
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10581 UNIV OF COLORADO - BOULDER 3118
HIGH-RESOLUTION THERMAL INERTIA OF MARS
03/19/2001 - 02/28/2004 FY02: $0 Total: $88,000
Prin. Invest.: M MELON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10600 UNIV OF COLORADO - BOULDER 3119
ASSESSMENT OF GREENLAND OUTLET GLACIER ALBEDO VARI ABILITY
03/14/2001 - 12/31/2002 FY02: $0 Total: $46,013
Prin. Invest.: J STROEVE
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10601 UNIV OF COLORADO - BOULDER 3120
COMPARISON OF INTERSTELLAR & INTERPLANETARY GRAINS
03/19/2001 - 02/28/2003 FY02: $0 Total: $15,000
Prin. Invest.: T SNOW
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10616 UNIV OF COLORADO - BOULDER 3121
PHYSICAL PROPERTIES OF POTENTIAL MARS LANDING SITE S
03/16/2001 - 03/14/2004 FY02: $0 Total: $39,000
Prin. Invest.: B JAKOSKY
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10698 UNIV OF COLORADO - BOULDER 3122
CONTRAIL PERSISTENCE AND AIRCRAFT EXHAUST IMPACTS ON CIRRUS
04/18/2001 - 11/30/2001 FY02: $0 Total: $42,025
Prin. Invest.: O TOON
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10763 UNIV OF COLORADO - BOULDER 3123
COSMOLOGICAL PARAMETERS FROM LARGE SCALE STRUCTURE (ATP 2000)
04/23/2001 - 04/30/2004 FY02: $0 Total: $79,425
Prin. Invest.: A J HAMILTON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10790 UNIV OF COLORADO - BOULDER 3124
DETERMINING THE STRUCTURE OF LOW-LEVEL JETS IN MARITIME STORMS USING QUIKSCAT
04/25/2001 - 04/30/2004 FY02: $0 Total: $120,012
Prin. Invest.: O PERSSON
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10791 UNIV OF COLORADO - BOULDER 3125
INFARED AND PASSIVE MICROWAVE RADIOMETRIC SSTS AND THEIR RELATIONSHIPS TO ATMOSPHERIC FORCING
04/25/2001 - 04/30/2004 FY02: $0 Total: $115,618
Prin. Invest.: W EMERY
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10797 UNIV OF COLORADO - BOULDER 3126
CONCEPT STUDY FOR THE "JUPITER MAGNETOSPHERIC EXPL ORER" (JMEX) MISSION AO-99-OSS-05
04/30/2001 - 04/30/2002 FY02: $0 Total: $423,472
Prin. Invest.: D M SCHNEIDER
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 10857 UNIV OF COLORADO - BOULDER 3127
VARIABILITY AND FORCING OF CLIMATIC PARAMETERS ON THE GREENLAND ICE SHEET: GREENLAND CLIMATE NETWOR
05/03/2001 - 04/30/2005 FY02: $0 Total: $150,000
Prin. Invest.: K STEFFEN
Tech. Officer: GSFC/A
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10892 UNIV OF COLORADO - BOULDER 3128
HARD X-RAY, SPECTROSCOPIC MICROWAVE, AND H-ALPHA LINEAR POLARIZATION STUDIES WITHHARD X-RAY OBSERV
05/10/2001 - 05/31/2004 FY02: $0 Total: $75,905
Prin. Invest.: A KIPLINGER
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE,OTHER

NAG 5 10917 UNIV OF COLORADO - BOULDER 3129
SPATIAL VARIATION OF HELIOSEISMIC FREQUENCY SHIFTS
05/14/2001 - 05/31/2004 FY02: $0 Total: $84,404
Prin. Invest.: B HINDMAN
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10937 UNIV OF COLORADO - BOULDER 3130
LWS PROPOSAL TO PROVIDE SCIENTIFIC GUIDANCE AND MODELING SUPPORT FOR THE IONOSPHERIC MAPPER MISSIO
05/15/2001 - 05/14/2004 FY02: $0 Total: $169,737
Prin. Invest.: T FULLER-ROWELL
Tech. Officer: GSFC/J F SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10948 UNIV OF COLORADO - BOULDER 3131
MOLECULE FORMATION AT HIGH EXTINCTION AND LOW META LLICITY IN THE MAGELLANIC CLOUDS - FUSE 2000
05/24/2001 - 05/31/2003 FY02: $0 Total: $62,500
Prin. Invest.: J SHULL
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10950 UNIV OF COLORADO - BOULDER 3132
FOSSIL FUEL IN THE LOCAL GROUP (FUSE 00)
05/24/2001 - 05/31/2003 FY02: $0 Total: $26,500
Prin. Invest.: J SHULL
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10954 UNIV OF COLORADO - BOULDER 3133
SCALING AND ALLOMETRY IN RIVER NETWORKS: COUPLING RAINFALL, TOPOGRAPHY,AND VEGETATION WITH HYDROLOG
05/18/2001 - 05/31/2004 FY02: $0 Total: $55,963
Prin. Invest.: V GUPTA
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10966 UNIV OF COLORADO - BOULDER 3134
AEROSOL-CLOUD-CLIMATE INTERACTIONS
06/04/2001 - 05/31/2002 FY02: $0 Total: $68,374
Prin. Invest.: K STEFFEN
Tech. Officer: GSFC/J ZWALLY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10967 UNIV OF COLORADO - BOULDER 3135
POLAR TIMAS OPERATIONS AND DATA ANALYSIS
06/06/2001 - 01/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: W K PETERSON
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10970 UNIV OF COLORADO - BOULDER 3136
DYNAMICAL MODELS OF SOLAR SYSTEM FORMATION AND EVOLUTION
05/22/2001 - 05/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: G R STEWART
Tech. Officer: GSFC/D A SENSKE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10983 UNIV OF COLORADO - BOULDER 3137
PRODUCT DISTRIBUTION FOR THE RAMP AMM-1 VERSION 2 AT THE NATIONAL SNOW AND ICE DATA CENTER
06/12/2001 - 09/14/2002 FY02: $0 Total: $19,631
Prin. Invest.: T SCAMBOS
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11022 UNIV OF COLORADO - BOULDER 3138
A STUDY OF UNCERTAINTIES FOR MODIS CLOUD RETRIEVAL OF OPTICAL THICKNESS & EFFECTIVE RADIUS
06/07/2001 - 03/31/2003 FY02: $0 Total: $49,408
Prin. Invest.: D PINCUS
Tech. Officer: GSFC/D STARR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11028 UNIV OF COLORADO - BOULDER 3139
CONTINUATION OF THE SCIENCE ANALYSIS AND DATA VALI DATION OF THE UARS SOLSTICE.
06/25/2001 - 09/30/2002 FY02: $0 Total: $100,000
Prin. Invest.: G J ROTTMAN
Tech. Officer: GSFC/C JACKSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11069 UNIV OF COLORADO - BOULDER 3140
INVESTIGATIONS OF DESERT DUST & SMOKE IN THE NORTH ATLANTIC IN SUPPORT OF THE TOMS INSTRUMENT.
07/20/2001 - 07/14/2004 FY02: $0 Total: $100,000
Prin. Invest.: O B TOON
Tech. Officer: GSFC/P K BHARTIA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11107 UNIV OF COLORADO - BOULDER 3141
VALIDATION OF AMSR-E SNOW PRODUCTS AQUA-0090-0026 / NRA-00-OES-
07/24/2001 - 08/31/2004 FY02: $0 Total: $75,774
Prin. Invest.: R L ARMSTRONG
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11110 UNIV OF COLORADO - BOULDER 3142
BALLOON BORNE SOUNDINGS FOR VALIDATION OF UPPER TROPOSPHERIC HUMIDITY AND TEMPERATURE (NRA-00-OES-
07/12/2001 - 08/31/2004 FY02: $0 Total: $100,523
Prin. Invest.: H W VOEMEL
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11167 UNIV OF COLORADO - BOULDER 3143
DENSITY STRUCTURES IN THE THERMOSPHERE OF MARS: ASSIMILATIVE ANALYSES OF MGS ACCELEROMETER AND TES
08/07/2001 - 08/14/2003 FY02: $0 Total: $45,000
Prin. Invest.: J FORBES
Tech. Officer: GSFC/J M BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11177 UNIV OF COLORADO - BOULDER 3144
ANALYSIS OF MGS MAGNETOMETER DATA & COMPARSIONS WITH MODELS OF MARS' MAGNETIC FIELD & SOLAR WIND
08/13/2001 - 08/14/2003 FY02: $0 Total: $61,000
Prin. Invest.: F BAGENAL
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11192 UNIV OF COLORADO - BOULDER 3145
MEASUREMENT & INTERPRETATION ON TEMPORAL VARIATION OF THE EARTH'S GRAVITY FIELD USING GPS & SLR DATA
08/30/2001 - 02/28/2003 FY02: $0 Total: $25,000
Prin. Invest.: S R NEREM
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11205 UNIV OF COLORADO - BOULDER 3146
DETECTING FUTURE TRENDS IN OZONE-LOOKING FOR INITI AL SIGNS OF RECOVERY IN TOMS AND SBUV/2 RECORDS
08/09/2001 - 08/14/2004 FY02: $0 Total: $40,915
Prin. Invest.: E WEATHERHEAD
Tech. Officer: GSFC/R MCPETERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11224 UNIV OF COLORADO - BOULDER 3147
INVESTIGATING THE FORMATION OF THE THARSIS RISE AN D CRUSTAL DICHOTOMY BYMODELINGTHE MGS DATA AND M
08/13/2001 - 08/14/2004 FY02: $0 Total: $57,000
Prin. Invest.: S ZHONG
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11238 UNIV OF COLORADO - BOULDER 3148
REGIONAL NPP & CARBON STOCKS IN SW USA RANGELANDS: LAND USE IMPACTS ON THE GRASSLAND-WOODLAND BALANC
09/17/2001 - 08/31/2004 FY02: $0 Total: $365,301
Prin. Invest.: C WESSMAN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11241 UNIV OF COLORADO - BOULDER 3149
12TH CAMBRIDGE WORKSHOP ON COOL STARS, STELLAR SYS TEMS AND THE SUN: THE FUTURE OF COOL-STAR ASTROPH
08/15/2001 - 09/30/2001 FY02: $0 Total: $15,000
Prin. Invest.: T AYRES
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 11243 UNIV OF COLORADO - BOULDER 3150
THEORETICAL INVESTIGATIONS OF CLOUDS AND AEROSOLS IN THE STRATOSPHERE AND UPPERTROPOSPHERE
08/16/2001 - 08/31/2004 FY02: $0 Total: $139,160
Prin. Invest.: O B TOON
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11279 UNIV OF COLORADO - BOULDER 3151
OVERSIGHT AND DEVELOPMENT OF A COMM MONTE CAR LO RADIATIVE ONE YEARGRANT
08/21/2001 - 02/28/2003 FY02: $0 Total: $12,300
Prin. Invest.: R PINCUS
Tech. Officer: GSFC/R CAHALAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11292 UNIV OF COLORADO - BOULDER 3152
QUALITY DATA VISUALIZATION TOOL FOR MODIS
08/22/2001 - 02/28/2003 FY02: $0 Total: $77,600
Prin. Invest.: R L WEAVER
Tech. Officer: GSFC/K L MOE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11294 UNIV OF COLORADO - BOULDER 3153
SIMPLE MODELS OF THE SPATIAL DISTRIBUTION OF CLOUD RADIATIVE PROPERTIES FOR REMOTE SENSING STUDIES
08/22/2001 - 09/30/2003 FY02: $0 Total: $42,593
Prin. Invest.: R PINCUS
Tech. Officer: GSFC/W WISCOMBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11299 UNIV OF COLORADO - BOULDER 3154
INVESTIGATION OF THE OFF-PLANE GRATING TECHNOLOGY FOR X-RAY SPECTROSCOPY. DELIVERABLE I
08/29/2001 - 11/30/2001 FY02: $0 Total: $15,000
Prin. Invest.: D CASH
Tech. Officer: GSFC/D T NGUYEN
CASE Category: 13 – PHYSICS

NAG 5 11308 UNIV OF COLORADO - BOULDER 3155
ICE SHELVES AND LANDFAST ICE ON THE ANTARCTIC PERI METER: CHARACTERISTICSAND THE EFFECTS OF CLIMATE
08/30/2001 - 08/31/2003 FY02: $0 Total: $20,632
Prin. Invest.: T SCAMBOS
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11369 UNIV OF COLORADO - BOULDER 3156
VALIDATION OF AMAR-E POLAR OCEAN PRODUCTS USING A COMBINATION OF OBSERVATIONS AND MODELLING.
10/30/2001 - 10/31/2004 FY02: $33,127 Total: $33,127
Prin. Invest.: J MASLANIK
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11391 UNIV OF COLORADO - BOULDER 3157
NEW GRANT TIMAS OPERATIONS AND DATA ANALYSIS
12/12/2001 - 12/14/2004 FY02: $0 Total: $0
Prin. Invest.: W PETERSON
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11408 UNIV OF COLORADO - BOULDER 3158
TIMED PHASE E SEE EXPERIMENT - WOODS
12/10/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: T N WOODS
Tech. Officer: GSFC/B A CAMPBELL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11421 UNIV OF COLORADO - BOULDER 3159
GPS MODELING AND ANALYSIS
01/08/2002 - 01/14/2003 FY02: $0 Total: $0
Prin. Invest.: P AXELROD
Tech. Officer: GSFC/J ALEITNER
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11430 UNIV OF COLORADO - BOULDER 3160
INTENSIVE AIRBORNE FLASK MEASUREMENTS OF O2/N2, AR /N2, 13C, 18O, AND OTHER SPECIES DURING COBRA
12/03/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: J B MILLER
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11463 UNIV OF COLORADO - BOULDER 3161
CHARACTERIZATION OF UV WINDOW PHOSPHORESCENCE
12/10/2001 - 12/14/2004 FY02: $0 Total: $0
Prin. Invest.: S OSTERMAN
Tech. Officer: GSFC/P CRANE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11473 UNIV OF COLORADO - BOULDER 3162
MEASUREMENTS OF ″TOTAL WATER″ AND CARBON DIOXIDE F ROM THE NASA WB-57 DURING CRYSTAL-FACE
12/19/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: L M AVALLONE
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11474 UNIV OF COLORADO - BOULDER 3163
INFLUENCE OF NUCLEATION MECHANISMS ON THE RADIATIV E PROPERTIES OF DEEP CONVECTIVE CLOUDS AND SUBVI
12/19/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: O B TOON
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11487 UNIV OF COLORADO - BOULDER 3164
GAS-PHASE CHEMISTRY OF MOLCULES AND MOLECULAR IONS OF ASTROPHYSICAL INTEREST
12/19/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: T P SNOW
Tech. Officer: GSFC/H HASAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11490 UNIV OF COLORADO - BOULDER 3165
CO/H2 IN TRANSLUCENT CLOUDS
12/27/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: J C GREEN
Tech. Officer: GSFC/RJ OLIVESREN
CASE Category: 11 – ASTRONOMY

NAG 5 11498 UNIV OF COLORADO - BOULDER 3166
DYNAMICAL EVOLUTION OF RING-SATELLITE SYSTEMS
12/28/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: K OHTSUKI
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11501 UNIV OF COLORADO - BOULDER 3167
RETRIEVAL AND VALIDATIONS OF CIRRUS CLOUD PROPERTI ES WITH THE FAR- INFRAREDSENSOR FOR CIRRUS
12/27/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: K F EVANS
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11506 UNIV OF COLORADO - BOULDER 3168
HIERARCHICAL MODELING STUDY OF THE INTERACTIONS AM ONG TURBULENCE, CLOUD MICROPHYSICS, AND RADIATIVE
01/02/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: J A CURRY
Tech. Officer: GSFC/D ANDERSEN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11512 UNIV OF COLORADO - BOULDER 3169
NASA COLD LAND PROCESSES FIELD EXPERIMENT PLAN
01/07/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: R L ARMSTRONG
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11559 UNIV OF COLORADO - BOULDER 3170
SPACE/TIME STATISTICS OF POLAR ICE MOTION
01/11/2002 - 01/14/2003 FY02: $0 Total: $0
Prin. Invest.: W EMERY
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11562 UNIV OF COLORADO - BOULDER 3171
DYNAMICAL MODELS OF SOLAR SYSTEM FORMATION AND EVO LUTION
01/17/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: G R STEWART
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11576 UNIV OF COLORADO - BOULDER 3172
FOLLOW ON TO NAG5-8247--GGS CEPPAD
01/09/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: D BAKER
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11612 UNIV OF COLORADO - BOULDER 3173
VARIABILITY AND FORCING OF CLIMATIC PARAMETERS ON THE GREENLAND ICE SHEET: GREENLAND CLIMATE NE
01/16/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: K STEFFEN
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11616 UNIV OF COLORADO - BOULDER 3174
CHARACTERISTICS AND CONSEQUENCES OF FAULTING ON GA NYMEDE AND EUROPA
01/17/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: R PAPPALARDO
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11648 UNIV OF COLORADO - BOULDER 3175
REMOTE SENSING & GEOCHEMISTRY OF PLANETARY SURFACE
01/25/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: B M JAKOSKY
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11659 UNIV OF COLORADO - BOULDER 3176
MOVING SPECTROSCOPIC REMOTE SENSING TECHNIQUES FOR THE IDENTIFICATION OFSWELLINGPOTENTIAL OF EXPAN
02/14/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: A GOETZ
Tech. Officer: GSFC/T GUBBELS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11686 UNIV OF COLORADO - BOULDER 3177
CLOUDY RADIATIVE TRANSFER MODELING AND CLOSURE STUDIES FOR ARM
02/01/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: K EVANS
Tech. Officer: GSFC/W WISCOMBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11736 UNIV OF COLORADO - BOULDER 3178
ACCRETION DISK OUTFLOWS IN CATACLYSMIC VARIABLES (LTSA 2001)
02/13/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: D PROGA
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11766 UNIV OF COLORADO - BOULDER 3179
EVOLUTION OF PROTOPLANETARY DISKS NEAR THE SNOW- LINE
02/25/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: G R STEWART
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11848 UNIV OF COLORADO - BOULDER 3180
CORONAL IRON
04/02/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: T AYRES
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11850 UNIV OF COLORADO - BOULDER 3181
DEVELOPMENT AND TEST OF OFF-PLANE GRATINGS FOR CON STELLATION-X
03/15/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: W CASH
Tech. Officer: GSFC/D CONTENT
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11879 UNIV OF COLORADO - BOULDER 3182
ASPECTS OF THE GLOBAL SOLAR DYNAMIC MAGNETOHYDRODY NAMIC MODELS OF DEEP CONVECTION AND THE TAC
03/19/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: J TOOMRE
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 11890 UNIV OF COLORADO - BOULDER 3183
HIGH RESOLUTION X-RAY PROPERTIES OF BL LACS: AN XM M SURVEY
04/09/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: J STOCKE
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11895 UNIV OF COLORADO - BOULDER 3184
ORIGIN AND EVOLUTION OF IRREGULAR SATELLITES
03/19/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: K OHTSUKI
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11907 UNIV OF COLORADO - BOULDER 3185
OBSERVATIONS OF EXORS WITH THE INFRARED SPACE OBSE RVATORY
04/12/2002 - 04/14/2004 FY02: $0 Total: $0
Prin. Invest.: G S STRINGFELLOW
Tech. Officer: GSFC/J FROGEL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11911 UNIV OF COLORADO - BOULDER 3186
SPECTROMETER TECHNOLOGY DEVELOPMENT FOR FAR- INFRARED LINE SURVEYS
03/21/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: J GLENN
Tech. Officer: GSFC/P CRANE
CASE Category: 13 – PHYSICS

NAG 5 11920 UNIV OF COLORADO - BOULDER 3187
EXPLORING DYNAMICAL IMPLICATIONS OF SOLAR SUBSURFA CE WEATHER
03/25/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: D HABER
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11924 UNIV OF COLORADO - BOULDER 3188
CUSP DYNAMICS-PARTICLE ACCELERATION BY ALFVEN WAVE
03/27/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: J SU
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11950 UNIV OF COLORADO - BOULDER 3189
MIRA'S COMPANION IN THE FUV
04/02/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: B E WOOD
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11963 UNIV OF COLORADO - BOULDER 3190
MULTIWAVELENGTH OBSERVATION OF CLASSICAL NOVAC
04/04/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: G S STRINGFELLOW
Tech. Officer: GSFC/J FROGEL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12002 UNIV OF COLORADO - BOULDER 3191
INVESTIGATION OF H+ & O+ OUTFLOWS FROM THE EARTH'S IONOSPHERE
04/12/2002 - 04/14/2004 FY02: $0 Total: $0
Prin. Invest.: W K PETERSON
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12026 UNIV OF COLORADO - BOULDER 3192
MODELING OF PARALLEL ELECTRIC FIELDS IN THE AURORA
04/22/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: R E ERGUN
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12029 UNIV OF COLORADO - BOULDER 3193
PROBING THE REIONIZATION HISTORY OF THE UNIVERSE
04/12/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: N GNEDIN
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12035 UNIV OF COLORADO - BOULDER 3194
DEFEATING THE EDDINGTON LIMIT: THE NONLINEAR DEVELOPMENT OF PHOTON BUBBLE INSTABILITY
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: M C BEGELMAN
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12075 UNIV OF COLORADO - BOULDER 3195
ASSESSMENT OF BASAL MELT OF PETERMANN GLETSCHER IN NW GREENLAND
04/23/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: K STEFFEN
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12188 UNIV OF COLORADO - BOULDER 3196
PRE-FORMULATION FOR THE LASER INTERFEROMETER SPACE ANTENNA (LISA) PROJECT
05/14/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: P L BENDER
Tech. Officer: GSFC/R T STEBBINS
CASE Category: 13 – PHYSICS

NAG 5 12194 UNIV OF COLORADO - BOULDER 3197
UARS SOLSTICE CONTINUED OPERATIONS
05/23/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: G ROTTMAN
Tech. Officer: GSFC/C JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12197 UNIV OF COLORADO - BOULDER 3198
SOLAR ACTIVITY AND LONG-TERM TRENDS IN THE IONO- SPHERE (SALT): A HISTORIC-DATA ANALYSIS AND MODELI
05/15/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: R A AKMAEV
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12210 UNIV OF COLORADO - BOULDER 3199
CHROMOSPHERIC ACTIVITY IN POPULATION II GIANTS.
06/04/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: G HARPER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12233 UNIV OF COLORADO - BOULDER 3200
CORONAL DYNAMICS AND COMPLETE ENERGY BUDGET FOR TH E M DWARF AD LEO.
06/06/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: A BROWN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12240 UNIV OF COLORADO - BOULDER 3201
PROBING THE REVERSE SHOCK IN AN OXYGEN-RICH SUPER- NOVA REMNANT - FUSE 2001
06/06/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: J A MORSE
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12260 UNIV OF COLORADO - BOULDER 3202
AEROSOL-CLOUD-CLIMATE INTERACTIONS.
07/18/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: K STEFFEN
Tech. Officer: GSFC/J ZWALLY
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12279 UNIV OF COLORADO - BOULDER 3203
COSMIC ORIGINS SPECTROGRAPH GTO
07/09/2002 - 09/30/2008 FY02: $0 Total: $0
Prin. Invest.: D GREEN
Tech. Officer: GSFC/J JELETIC
CASE Category: 11 – ASTRONOMY

NAG 5 12288 UNIV OF COLORADO - BOULDER 3204
SUPPORT FOR THE INTERNATIONAL WORKSHOP ON MULTI- ANGULAR MEASUREMENTS AND MODELING (IWMMM-3)
06/17/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: A NOLIN
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12349 UNIV OF COLORADO - BOULDER 3205
AN INVESTIGATION OF THE EFFECT OF SOLAR VARIABILIT Y AND PARTICLE IONIZATION ON THE EARTH'S M
08/20/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: D W RUSCH
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12372 UNIV OF COLORADO - BOULDER 3206
ESTIMATION OF ARCTIC MELT POND COVERAGE ON SEA ICE USING EOS DATA: ALGORITHM DEVELOPMENT & RET
07/22/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: J MASLANIK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12380 UNIV OF COLORADO - BOULDER 3207
MASS IMBALANCE IN ANTARCTICA AND GREENLAND
07/12/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: J WAHR
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12381 UNIV OF COLORADO - BOULDER 3208
GREENLAND ICE SHEET MELT CLIMATOLOGY BASED ON PASS IVE AND ACTIVE SATELLITE DATA: COMBINING
07/15/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: K STEFFAN
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12394 UNIV OF COLORADO - BOULDER 3209
JUPITER MEETING BOOK PUBLISHING
07/19/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: F BAGENAL
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12432 UNIV OF COLORADO - BOULDER 3210
SPATIAL AND TEMPORAL PATTERNS & VARIABILITY OF SEA & ICE SURFACE TEMPERATURES IN THE SEASONA
08/01/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: J MASLANIK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12438 UNIV OF COLORADO - BOULDER 3211
EVOLVED LATE-TYPE STARR FUV SPECTRA: MASS LOSS AN D FLUORES-CENCE
08/06/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: G HARPER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12491 UNIV OF COLORADO - BOULDER 3212
DEVELOPING RAPID HELIOSEISMIC MAPPING OF EVOLVING SOLAR SUB-SURFACE WEATHER AND MAGNETIC STRUCTU
08/20/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: B W HINDMAN
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12495 UNIV OF COLORADO - BOULDER 3213
ANALYSIS OF NAVIGATION ALGORITHM AND MEASUREMENTS FOR FOR-MATION FLYING SATELLITES, IN HIGH EARTH OR
08/29/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: P AXELRAD
Tech. Officer: GSFC/R J CARPENTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12533 UNIV OF COLORADO - BOULDER 3214
GREENLAND: REANALYSIS OF THE ENERGY BUDGET OF THE ICE SHEET
08/28/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J CASSANO
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12598 UNIV OF COLORADO - BOULDER 3215
KNOWLEDGE DISCOVERY FOR GEOPHYSICAL DATA ANALYSIS
09/24/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: J MENNIS
Tech. Officer: GSFC/M WEI
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 8 1475 UNIV OF COLORADO - BOULDER 3216
INFLUENCE OF SOLUTOCAPILLARY CONVECTION ON MACRO- VOID DE-FECT FORMATION IN POLYMERIC MEMBRANES
02/03/1998 - 01/31/2003 FY02: $0 Total: $258,000
Prin. Invest.: A GREENBERG
Tech. Officer: MSFC/P M DOTY
CASE Category: 13 – PHYSICS

NAG 9 1209 UNIV OF COLORADO - BOULDER 3217
MULTI WAVELENGHT ANALYSIS OF ASTEROIDS
03/01/2000 - 12/31/2002 FY02: $0 Total: $14,880
Prin. Invest.: A R HENDRIX
Tech. Officer: JSC/F VILAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1438 UNIV OF COLORADO - BOULDER 3218
VIRTUAL ENVIRONMENTS FOR PREFLIGHT ADAPTATION
07/12/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: K STROUD
Tech. Officer: JSC/D HARM
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 5 97045 UNIV OF COLORADO - BOULDER 3219
EXTENSION OF SOLSTICE PHASE B EFFORT
02/21/1997 - 07/31/2007 FY02: $1,275,000 Total: $60,608,364
Prin. Invest.: G ROTTMAN
Tech. Officer: GSFC/V GRIFFIN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAS 5 97046 UNIV OF COLORADO - BOULDER 3220
LETTER CONTRACT FOR HIRDIS PHASE C/D/E
01/17/1997 - 03/31/2008 FY02: $1,169,623 Total: $77,240,618
Prin. Invest.: J GILLE
Tech. Officer: GSFC/L MILAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 97145 UNIV OF COLORADO - BOULDER 3221
MISSION OPERATIONS, DATA ANALYSIS, AND ALGORITHM MAINTENANCE FOR UARS SOLSTICE
03/31/1997 - 11/30/2002 FY02: $0 Total: $1,558,799
Prin. Invest.: G J ROTTMAN
Tech. Officer: GSFC/C H JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 98043 UNIV OF COLORADO - BOULDER 3222
SCIENCE MANAGEMENT FOR COS
03/04/1998 - 07/31/2003 FY02: $0 Total: $12,609,600
Prin. Invest.: J GREEN
Tech. Officer: GSFC/L FEINBERG
CASE Category: 11 – ASTRONOMY

NAS 5 98070 UNIV OF COLORADO - BOULDER 3223
OPERATION OF SNOW AND ICE DISTRIBUTED ACTIVE ARCHIVE
01/29/1998 - 05/31/2003 FY02: $0 Total: $14,307,345
Prin. Invest.: R G BARRY, V TROISI
Tech. Officer: GSFC/Q A BARKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 8 38779 UNIV OF COLORADO - BOULDER 3224
MECHANICS OF GRANULAR MARTERIALS MICROGRAVITY
09/24/1992 - 10/31/2004 FY02: $0 Total: $4,240,513
Prin. Invest.: S STURE
Tech. Officer: MSFC/B V GUYNES
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 01046 UNIV OF COLORADO - BOULDER 3225
VERY LARGE EFFICIENT SPACE STRUCTURES
06/22/2001 - 01/21/2002 FY02: $0 Total: $60,000
Prin. Invest.: M M MIKULAS, JR
Tech. Officer: LARC/W K BELVIN
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 1 01048 UNIV OF COLORADO - BOULDER 3226
EVA & ROBOTIC ASSEMBLY OF LARGE SPACE STRUCTURES
08/20/2001 - 12/19/2002 FY02: $0 Total: $20,000
Prin. Invest.: E C WEATHERHEAD
Tech. Officer: LARC/B A WIELICKI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 1052 UNIV OF COLORADO - BOULDER 3227
CENTER FOR ASTROBIOLOGY
08/28/1998 - 06/30/2003 FY02: $0 Total: $1,975,492
Prin. Invest.: B JAKOSKI
Tech. Officer: ARC/R A GRYMES, ARC/W W DOLCI
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1104 UNIV OF COLORADO - BOULDER 3228
A COMPREHENSIVE-BASED ANALYSIS OF SHARED CONCEPTUA L MODELS OF AVIONICS SYSTEMS
04/02/1999 - 10/31/2002 FY02: $0 Total: $232,978
Prin. Invest.: P POISON
Tech. Officer: ARC/E A PALMER, ARC/N SMITH
CASE Category: 21 – MATHEMATICS

NCC 2 1112 UNIV OF COLORADO - BOULDER 3229
COMPREHENSION OF NAVIGATION DIRECTIONS
04/14/1999 - 09/30/2002 FY02: $0 Total: $103,051
Prin. Invest.: A F HEALY
Tech. Officer: ARC/I BARSHI
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1145 UNIV OF COLORADO - BOULDER 3230
THE APPLICATION OF ADVANCED CULTIVATION TECHNIQUES IN THE LONG TERM MAINTENANCE OF SPACE FLIGHT....
12/01/1999 - 01/14/2003 FY02: $0 Total: $119,337
Prin. Invest.: G HEYENGA
Tech. Officer: ARC/M KLISS
CASE Category: 51 – BIOLOGY (EXCLUDINGENVIR)

NCC 2 1310 UNIV OF COLORADO - BOULDER 3231
COMPREHENSIONOF NAVIGATION DIRECTIONS
02/13/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: A F HEALY
Tech. Officer: ARC/I BARSHI
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1340 UNIV OF COLORADO - BOULDER 3232
ASTROBIOLOGICAL AND GEOLOGICAL IMPLICATIONS OF CON VECTIVE TRANSPORT IN ICY OUTERPLANET SATELLITES
05/23/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: R PAPPALARDO
Tech. Officer: ARC/M FONDA, ARC/S ZHONG
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5401 UNIV OF COLORADO - BOULDER 3233
THE PROPERTIES OF CLOUDS IN THE ATMOSPHERES OF EAR LY EARTH, MARS, & TITAN
09/29/2000 - 10/31/2003 FY02: $0 Total: $109,801
Prin. Invest.: O B TOON
Tech. Officer: ARC/R E YOUNG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5519 UNIV OF COLORADO - BOULDER 3234
PARTICLES IN REDUCING ATMOSPEHERES APPLICATIONS TO EARLY EARTH AND TITAN
08/28/2002 - 10/31/2003 FY02: $0 Total: $0
Prin. Invest.: O B TOON
Tech. Officer: ARC/R YOUNG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 3 773 UNIV OF COLORADO - BOULDER 3235
MICROELECTROMECHANICAL LINEAR ACTUATOR MICROELECTROMECHANICAL LINEAR ACTUATOR
02/15/2000 - 12/31/2002 FY02: $0 Total: $149,998
Prin. Invest.: Y LEE
Tech. Officer: GRC/H NGUYEN
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 796 UNIV OF COLORADO - BOULDER 3236
SURFACE COLLISIONS INVOLVING PARTICLES AND MOISTUR E (SCIP'M)
05/16/2000 - 05/30/2004 FY02: $0 Total: $76,000
Prin. Invest.: R H DAVIS
Tech. Officer: GRC/F P CHARIAMONTE 111
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 458 UNIV OF COLORADO - BOULDER 3237
E0-1 EVALUATION & VERIFICATION FOR APPLICATION TO LAND-USE CHANGE: ATMOSPHERIC CORRECTION, SOIL &
02/25/2000 - 03/31/2003 FY02: $0 Total: $404,728
Prin. Invest.: A F GOETZ
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NCC 5 480 UNIV OF COLORADO - BOULDER 3238
ANALYSIS OF EO-1, LANDSAT 7, AND AVIRIS FOR ESTIMA TING VEGETATION STRUCTURE AND FUNCTION IN ARID EC
03/20/2000 - 12/31/2001 FY02: $0 Total: $87,920
Prin. Invest.: G P ASNER
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 481 UNIV OF COLORADO - BOULDER 3239
LOW-COST EVALUATION OF EO-1 HYPERION AND ALI FOR DETECTION & BIOPHYSICAL CHARACTERIZATION OF FOREST
03/20/2000 - 02/28/2002 FY02: $0 Total: $128,617
Prin. Invest.: G P ASNER
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 564 UNIV OF COLORADO - BOULDER 3240
ALGORITHMS FOR AUTONOMOUS GPS ORBIT DETERMINATION AND FORMATION FLYING
06/12/2001 - 06/30/2002 FY02: $0 Total: $25,000
Prin. Invest.: P AXELRAD
Tech. Officer: GSFC/J A LEITNER
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 8 131 UNIV OF COLORADO - BOULDER 3241
BIONERVE SPACE TECHNOLOGIES
01/31/1997 - 02/28/2002 FY02: $0 Total: $12,113,345
Prin. Invest.: G MORGENTHALER
Tech. Officer: MSFC/S J LAMBING
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 8 242 UNIV OF COLORADO - BOULDER 3242
PROMOTE COMMERCIALLY FUNDING R & D AND TECHNOLOGY DEV IN THE FIELD OF BIOSERVE SPACE TECHNOLOGIES
01/10/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: L STODIECK
Tech. Officer: MSFC/J R WEST
CASE Category: 49 – ENGINEERING, OTHER

NCC 9 65 UNIV OF COLORADO - BOULDER 3243
SPACE STATION BASED MIRON ACURACY DEPLOYMENT EXPER IMENT
07/01/1997 - 10/31/2001 FY02: $0 Total: $1,475,362
Prin. Invest.: L PETERSON
Tech. Officer: JSC/C PARRA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 01023 UNIV OF COLORADO - BOULDER 3244
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/06/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: T O MANN
Tech. Officer: LARC/W K BELVIN
CASE Category: 42 – ASTRONAUTICAL ENGR

NGT 1 02022 UNIV OF COLORADO - BOULDER 3245
GRADUATE STUDENT RESEARCHER PROGRAM
08/02/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: O VASILOV, D GOLDSTEIN
Tech. Officer: LARC/T B GATSKI
CASE Category: 46 – MECHANICAL ENGR

NGT 1 52182 UNIV OF COLORADO - BOULDER 3246
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
12/01/1998 - 08/31/2001 FY02: $0 Total: $66,001
Prin. Invest.: M J ARMATYS, P AXELRAD
Tech. Officer: LARC/S J KATZBERG
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 2 52264 UNIV OF COLORADO - BOULDER 3247
MODELING AEROSOL NUCLEATION IN THE PRESENCE OF CLO UDS
06/23/2000 - 12/31/2002 FY02: $0 Total: $44,000
Prin. Invest.: O TOON
Tech. Officer: ARC/A S ACKERMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 2 52270 UNIV OF COLORADO - BOULDER 3248
HYDROCARBON NUCLEATION ON THOLINS: APPLICATIONS T O TITAN
08/29/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: M A TOLBERT
Tech. Officer: ARC/C P MCKAY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NGT 2 52279 UNIV OF COLORADO - BOULDER 3249
COLD SALINE SPRINGS IN PERMAFROST ON EARTH AND MAR S
06/22/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: B TOON
Tech. Officer: ARC/C P MCKAY
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 2 52287 UNIV OF COLORADO - BOULDER 3250
MODELING THE ENVIRONEMTN EFFECTS OF LARGE IMPACTS ON MARS
06/03/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: O B TOON
Tech. Officer: ARC/C MCKAY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 3 52386 UNIV OF COLORADO - BOULDER 3251
COMPUTATIONAL MODELING OF EXTRACELLUAR MASS TRANSP ORT
08/22/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: D KLAUS
Tech. Officer: GRC/F J MONTEGANO
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 47 UNIV OF COLORADO - BOULDER 3252
INVESTIGATION OF HARDWARE AND ALGORITHM ARCHITECTU GEO AND HEO ORBITS
06/23/1997 - 06/30/2001 FY02: $0 Total: $88,000
Prin. Invest.: P AXELRAD
Tech. Officer: GSFC/M S BURRELL
CASE Category: 46 – MECHANICAL ENGR

NGT 5 80 UNIV OF COLORADO - BOULDER 3253
THE STRUCTURE AND DEVELOPMENT OF SUPERNOVA REMNANT 1987A (STUDENT): ELI MICHAEL
05/12/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: R MCCRAY
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 93 UNIV OF COLORADO - BOULDER 3254
USE OF REMOTE SENSING IMAGERY IN BIOGECHEMICAL MOD ELS TO PREDICT TRACE GAS EMISSIONS & CROP YEILD
06/15/1999 - 06/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: N KHATIB
Tech. Officer: GSFC/J L PRIVETTE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 123 UNIV OF COLORADO - BOULDER 3255
INVESTIGATION OF GPS BISTATIC RADAR FOR SOIL MOISTURE REMOTE SENSING (STUDENT): DALLAS MASTERS
06/07/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: D AXELRAD
Tech. Officer: GSFC/M S BURRELL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 132 UNIV OF COLORADO - BOULDER 3256
SPACE WEATHER FORECASTING: PREDICTING RADIATION BELT ELEC-TRONS USING ADAPTIVE ARMA FILTERS & DATA
06/04/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: D BAKER
Tech. Officer: GSFC/M S BURRELL
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 133 UNIV OF COLORADO - BOULDER 3257
ANALYSIS OF TEMPORAL VARIATIONS OF THE EARTH'S GRAVITY FIELD FROM CHAMP & GRACE SATELLITE DATA.
06/04/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R NEREM
Tech. Officer: GSFC/M S BURRELL
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 140 UNIV OF COLORADO - BOULDER 3258
GALAXY CLUSTERS AT HIGH REDSHIFT; PROBING THE HIST ORY AND EVOLUTION OF THE INTRA-CLUSTER MEDIUM, G
07/09/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: E ELLINGSON
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 30136 UNIV OF COLORADO - BOULDER 3259
LABORATORY STUDIES OF CIRRUS CLOUD FORMATION MECHA NISMS/STUDENT:FORTIN
09/04/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: M TOLBERT
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30155 UNIV OF COLORADO - BOULDER 3260
COMPARISONS OF THREE-DIMENSIONAL GENERAL CIRCULATI ON MODEL SIMULATIONS OF THE DESERT AEROSOL LIFE
08/28/1998 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B TOON, COLARCO
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30180 UNIV OF COLORADO - BOULDER 3261
SPATIAL AND TEMPORAL RESPONSE TO ANTHROPOGENIC NIT ROGEN DEPOSITION IN A HETEROGENEOUS ROCKY MOUNTAI
08/12/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: C A WESSMAN
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30209 UNIV OF COLORADO - BOULDER 3262
IN SITU MEASUREMENTS OF CARBON DIOXIDE IN THE UPPER TROPO-SPHERE & LOWER STRATOSPHERE/STUDENT GAT
08/18/1999 - 12/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: L M AVALLONE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30345 UNIV OF COLORADO - BOULDER 3263
LINKING LANDSAT TM DATA & EVAPOTRANSPIRATION IN TWO HUMID TROPICAL WATERSHEDS IN PANAMA/STUDENT AL
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: G ASNER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30348 UNIV OF COLORADO - BOULDER 3264
REGIONAL IMPACTS OF WOODLAND EXPANSION ON NITROGEN OXIDE EMISSIONS FROM TEXAS SAVANNAS: COMBINING
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: G ASNER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30363 UNIV OF COLORADO - BOULDER 3265
LABORATORY STUDIES OF ICE NUCLEATION FROM INTERNAL LY MIXED SULFURIC ACID/MINERALAEROSOL PARTICLES
08/24/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: M A TOLBERT
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30376 UNIV OF COLORADO - BOULDER 3266
A HIGH-RESOLUTION ABLATION STUDY NEAR JAKOBSHAVN O N THE GREENLAND ICE SHEET/TODD H. ALBERT
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: K STEFFEN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30394 UNIV OF COLORADO - BOULDER 3267
IMPROVEMENTS IN THE ESTIMATION OF THE EARTH'S GRAV ITY FIELD USING GRACE MISSION DATA (STUDENT: DON
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S NEREM
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30399 UNIV OF COLORADO - BOULDER 3268
CLIMATIC VARIABILITY, HUMAN AGENCY & ENVIRONMENTAL CHANGE ACROSS AN ALTITUDINAL TRANSECT, ANDES-AMAZ
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: R BARRY
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30416 UNIV OF COLORADO - BOULDER 3269
SNOW SLOPE STABILITY: MODELING AND INVESTIGATIONS (STUDENT:HANS-PETER MARSHA
08/17/2001 - 08/31/2005 FY02: $0 Total: $9,317
Prin. Invest.: T PFEFFER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30422 UNIV OF COLORADO - BOULDER 3270
HETEROGENEOUS N205 HYDROLYSIS ON MIXED (NH4)2SO4/O RGANIC THIN FILMS REPRESENTATIVE OF TROPOSPHE
09/07/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: M A TOLBERT
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NGT 5 30464 UNIV OF COLORADO - BOULDER 3271
SPECTROSCOPY AND PHOTOREACTIVITY OF HYDRATED COMPL EXES: RELEVANCE TO AT-MOSPHERIC CHEMISTRY AND CLI
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: V VAIDA
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30470 UNIV OF COLORADO - BOULDER 3272
A MULTI-SENSOR APPROACH FOR ASSESSMENT OF CUMULATI VE IM-PACTS AND ENVIRONMENTAL CHANGE ON THE ALASKA
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J MASLANIK
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40028 UNIV OF COLORADO - BOULDER 3273
NATIONAL SPACE GRANT COLL AND FELLOWSHIP PROGRA
12/31/1996 - 01/31/2001 FY02: $0 Total: $1,807,630
Prin. Invest.: E R HANSEN
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40072 UNIV OF COLORADO - BOULDER 3274
COLORADO SPACE GRANT COLL & FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $535,118
Prin. Invest.: E R HANSEN
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50176 UNIV OF COLORADO - BOULDER 3275
A STUDY OF THE HOT COMPONENT OF THE LOCAL INTERSTE LLAR MEDIUM
05/22/1998 - 06/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: J C GREEN, MCLEAN
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 11 – ASTRONOMY

NGT 5 50194 UNIV OF COLORADO - BOULDER 3276
STELLAR EVOLUTION IN STARBURST GALAXIES
06/05/1998 - 07/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: P S CONTI
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 11 – ASTRONOMY

NGT 5 50197 UNIV OF COLORADO - BOULDER 3277
MARTIAN SURFACE MAGNETIC FIELD
06/11/1998 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: F BAGENAL
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 11 – ASTRONOMY

NGT 5 50232 UNIV OF COLORADO - BOULDER 3278
TIDES AND ZONAL MEAN FROM SATELLITE-BASED MEASUREMENTS: ANALYSIS TECHNIQUES
05/27/1999 - 06/30/2003 FY02: $0 Total: $66,000
Prin. Invest.: J FORBES
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50237 UNIV OF COLORADO - BOULDER 3279
MODELING THE POST-RUNAWAY GROWTH OF TERRESTRIAL PLANETS (STUDENT: CRAIG AGNOR)
05/27/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: R CANUP
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50241 UNIV OF COLORADO - BOULDER 3280
PROBING CORONAL STRUCTURE & VARIABILITY IN ACTIVE BINARY SYSTEMS
06/03/1999 - 06/30/2003 FY02: $0 Total: $66,000
Prin. Invest.: A BROWN
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50242 UNIV OF COLORADO - BOULDER 3281
MAPPING THE DETAILED STRUCTURE OF THE LOCAL INTERS TELLAR MEDIUM
06/03/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: J LINSKY
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50273 UNIV OF COLORADO - BOULDER 3282
ATMOSPHERIC MODELING AND INFRARED OBSERVATIONS OF TRANSITING EXTRASOLAR PLANET/STUDENT: L. JEREMY RI
06/08/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: L ESPOSITO
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50294 UNIV OF COLORADO - BOULDER 3283
DUST DYNAMICS IN PHOTOELECTRON LAYERS NEAR SURFACE IN SPACE/STUDENT: AMANDA SICKAFOOSE
06/26/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: J E COLDWELL
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50320 UNIV OF COLORADO - BOULDER 3284
SATELLITE GRAVITY & LARGE-SCALE HYDROLOGY/STUDENT: SEAN SWENSON
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J WAHR
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50337 UNIV OF COLORADO - BOULDER 3285
ASTROBIOLOGICAL AND GEOLOGICAL IMPLICATIONS OF DIAPIRIC TRANSPORT WITHIN EUROPA AND GANYMEDE
05/04/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: R RAPPALARDO
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50340 UNIV OF COLORADO - BOULDER 3286
A NARROW BAND FAR ULTRAVIOLET IMAGING SPECTROGRAPH FOR INTERSTELLAR SHOCKS (STUDENT: MATTHEW BEASLEY
05/14/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: J GREEN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50341 UNIV OF COLORADO - BOULDER 3287
NEW METHODS FOR HYPERSPECTRAL IMAGING IN THE VACCUM ULTRAVIOLET STUDENT: NATHANIEL CUNNINGHA
05/14/2001 - 07/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: J GREEN
Tech. Officer: GSFC/K E BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50345 UNIV OF COLORADO - BOULDER 3288
ELECTROSTATIC DISCHARGES NEAR THE MARIAN SURFACE (STUDENT: CORINNE KRAUSS)
05/14/2001 - 07/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: M HORANYI
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50350 UNIV OF COLORADO - BOULDER 3289
NUMERICAL ALGORITHMS FOR ALGORITHMS COMPUTING STUDENT: JULIA ZUEV
05/08/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: E ZWEIBEL
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50352 UNIV OF COLORADO - BOULDER 3290
PLANETARY-SCALE WAVES AND IONOSPHERE 'WEATHER' (STUDENT: GILBERT LICHSTEIN)
05/09/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: J FORBES
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50380 UNIV OF COLORADO - BOULDER 3291
PRODUCTION AND ANALYSIS OF EARLY EARTH THOLINS (STUDENT: MELISSA TRAINER)
05/21/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: M A TOLBERT
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50384 UNIV OF COLORADO - BOULDER 3292
BOLOCAM MILLIMETER-WAVE GALAXY SURVEY STUDENT: GLENN LAURENT
05/23/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: J GLENN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50389 UNIV OF COLORADO - BOULDER 3293
THE PHYSICS OF STRUCTURES IN SELF-GRAVITATING, COL LISIONAL RINGS (STUDENT: JOHN WEISS)
06/03/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: G STEWART
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50397 UNIV OF COLORADO - BOULDER 3294
NEW STUDIES IN X-RAY OPTICS: INTERFEROMETRY AND DI FFUSE SPECTROSCOPY STUDENT:RANDALL MCENTAFFE
06/12/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: W CASH
Tech. Officer: HQ/K BLANDING
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NGT 5 50416 UNIV OF COLORADO - BOULDER 3295
SIMULATIONS OF TURBULENT CONVECTION IN THE SUN: E XAMINING SUB-GRID- SCALE TURBULENCE_STUDENT: M
08/06/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J TOOMRE
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50426 UNIV OF COLORADO - BOULDER 3296
VIRTUAL ENVIRONMENTS FOR PREFLIGHT ADAPTATION TO S PACE FLIGHT (STUDENT: KENNETH STROUD)
08/14/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: D KLAUS
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT10 52624 UNIV OF COLORADO - BOULDER 3297
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RESEARCH PROGRAM
07/19/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: D HOEHN
Tech. Officer: KSC/R WHEELER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10521 UNIV OF COLORADO - DENVER 3298
IONOSPHERIC ELECTRODYNAMICS OF PLANETARY-SCALE OSCILLATIONS
03/03/2001 - 04/30/2002 FY02: $0 Total: $37,000
Prin. Invest.: J M FORBES
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 2 52291 UNIV OF COLORADO - DENVER 3299
THE ROLE OF ANNEXIN II IN OSTEOBLASTIC DIFFERENTAT ION
06/24/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: S NIELSON-PREISS
Tech. Officer: ARC/R GLOBUS
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1176 UNIV OF COLORADO AT COLORADO SPRINGS 3300
DEVELOPMENT OF THE PSUEDO PILOTED AIRCRAFT SIMULAT ION (PPAS)
05/05/2000 - 07/31/2002 FY02: $0 Total: $165,979
Prin. Invest.: P J GORDOR
Tech. Officer: ARC/T F ROMER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1297 UNIV OF DENVER 3301
IN SITU AEROSOL SIZE DISTRIBUTION MEASUREMENTS FRO M THE ER-2 SAGE III VALIDATION & STUDIES OF OZONE
03/09/1999 - 03/31/2003 FY02: $0 Total: $647,824
Prin. Invest.: J C WILSON
Tech. Officer: ARC/C P SCOFIELD, ARC/S S HIPSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1391 UNIV OF DENVER 3302
INFRARED REMOTE SENSING OF ATMOSPHERIC CONSTITUENT S
01/19/2000 - 12/31/2002 FY02: $0 Total: $804,271
Prin. Invest.: F MURCRAY
Tech. Officer: ARC/E CONDON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1578 UNIV OF DENVER 3303
MEASURING AEROSOL SIXE DISTRIBUTION FROM THE NASA DC08 IN SOLVE II
08/23/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: J M REEVES, J M WILSON
Tech. Officer: ARC/C P SCOFIELD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11531 UNIV OF DENVER 3304
MEASUREMENTS OF PARTICLE COMPOSITION FROM 30 TO 2, 000 NM ABOARD THE TWIN OTTER FOR THE CRYSTAL-
01/03/2002 - 12/14/2003 FY02: $0 Total: $0
Prin. Invest.: J M REEVES
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11533 UNIV OF DENVER 3305
IN SITU MEASUREMENT OF AEROSOL SIZE DISTRIBUTIONS AND COLLECTION OF PARTICLES FOR TEM ANALYSIS I
01/03/2002 - 12/14/2003 FY02: $0 Total: $0
Prin. Invest.: J C WILSON
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 1 313 **UNIV OF DENVER** **3306**
ANALYSIS OF ATMOSPHERIC MEASUREMENTS IN SUPPORT OF THE NETWORK FOR THE DETECTION OF STRATOSPHERIC CH
07/22/1998 - 09/30/2001 FY02: $0 Total: $20,988
Prin. Invest.: F J MURCRAY
Tech. Officer: LARC/C P RINSLAND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 365 **UNIV OF DENVER** **3307**
COLLABORATIVE STUDY FOR ANALYSIS OF HI RESOLUTION INFRARED ATMOSPHERIC SPECTRA BETW LARC & U DENVER
01/10/2000 - 11/30/2001 FY02: $0 Total: $105,000
Prin. Invest.: A GOLDMAN
Tech. Officer: LARC/C P RINSLAND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 01061 **UNIV OF DENVER** **3308**
COLLABORATIVE STUDY FOR ANALYSIS OF HI RESOLUTION INFRARED ATMOSPHERIC SPECTRA BETW LARC & U DENVER
09/10/2001 - 09/14/2003 FY02: $0 Total: $54,000
Prin. Invest.: A GOLDMAN
Tech. Officer: LARC/C P RINSLAND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 506 **UNIV OF DENVER** **3309**
"THE LENA INSTRUMENT ABOARD THE IMAGE SATELLITE"
07/20/2000 - 07/31/2002 FY02: $0 Total: $51,006
Prin. Invest.: T M STEPHEN
Tech. Officer: GSFC/T MOORE
CASE Category: 11 – ASTRONOMY

NCC 8 176 **UNIV OF DENVER** **3310**
INTERNATIONAL SPACE STATION METEROID/ORBITAL DEBRIS HAZARD ASSESSMENT AND SOFTWARE DEVELOPMENT.
12/22/1998 - 12/31/2002 FY02: $0 Total: $653,740
Prin. Invest.: J E WILLIAMSEN
Tech. Officer: MSFC/G D OLSEN
CASE Category: 42 – ASTRONAUTICAL ENGR

NGT 8 52894 **UNIV OF DENVER** **3311**
TEMPERATURE EFFECTS ON METEOROID DEBRIS PROTECTIVE STRUCTURES
08/29/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: R AMME
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 11 – ASTRONOMY

NGT 1 52209 **UNIV OF SOUTHERN COLORADO** **3312**
GRADUATE STUDENT RESEARCH PROGRAM (GSRP) YEAR 1
05/25/1999 - 06/30/2001 FY02: $0 Total: $44,001
Prin. Invest.: L M GARRETT
Tech. Officer: LARC/A E MOTLEY, LARC/L D THOMAS
CASE Category: 41 – AERONAUTICAL ENGNR

CONNECTICUT

NAG 5 8650 **FAIRFIELD UNIV** **3313**
OPTIMIZING PERFORMANCE OF FAR-INFRARED PHOTOCONDUC TORS: NEW APPROACH FOR INTERPRETATION & CALIBRAT
07/29/1999 - 01/31/2002 FY02: $0 Total: $151,146
Prin. Invest.: N HAEGEL
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 11 – ASTRONOMY

NAG 2 1434 **UNIV. OF CONNECTICUT HEALTH CENTER** **3314**
USE OF GFP TRANSGENES TO ASSESS OSTEOPROGENTIOR PR OGRESSION IN INTACT BONE
08/29/2000 - 08/31/2003 FY02: $0 Total: $253,750
Prin. Invest.: D W ROWE
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 6316 **UNIV. OF CONNECTICUT HEALTH CENTER** **3315**
TRANSGENIC MARKERS OF BONE CELL LINEAGE PROGRESSIO
09/29/1997 - 03/31/2001 FY02: $0 Total: $369,456
Prin. Invest.: D ROWE
Tech. Officer: GSFC/M AVERNER
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 5470 **UNIV. OF CONNECTICUT HEALTH CENTER** **3316**
HIGH THROUGHPUT METABOLIC PROFILING BY HETERONUCLE AR NMR
10/24/2001 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: Z Y PENG
Tech. Officer: ARC/S LIANG, ARC/B A BIEGEL
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 1 01113 **UNIV OF CONNECTICUT** **3317**
PREDICTIONS OF FATIGUE LIFE AND DELAMINATION IN LIGHTWEIGHT AEROSPACE COMPONENTS
08/16/2001 - 08/31/2003 FY02: $0 Total: $17,000
Prin. Invest.: K D MURPHY
Tech. Officer: LARC/J H ROBINSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1544 **UNIV OF CONNECTICUT** **3318**
DEVELOPMENT OF A LABORATORY FOR IMPROVING COMMUNIC ATION BETWEEN AIR TRAFFIC CONTROLLERSAND PILOTS
03/29/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: A BRAMMER
Tech. Officer: ARC/E WENZEL
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 7654 **UNIV OF CONNECTICUT** **3319**
ECOPHYSIOLOGY OF SUBPOPULATIONS OF ALEXANDRIUM TAM ARENSE
08/25/1998 - 08/31/2001 FY02: $0 Total: $150,000
Prin. Invest.: C ROESLER
Tech. Officer: GSFC/J W MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7915 **UNIV OF CONNECTICUT** **3320**
DECIPHERING THE MOLECULAR RECORD OF EARLY EVOLUTIO N
12/09/1998 - 07/31/2002 FY02: $0 Total: $147,100
Prin. Invest.: P J GOGARTEN
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8602 **UNIV OF CONNECTICUT** **3321**
DEVELOPMENT OF PLANETARY REMOTE SENSING TECHNOLOGY FOR APPLICATIONS TO TELEFORENSICS
06/21/1999 - 12/14/2001 FY02: $0 Total: $140,620
Prin. Invest.: J S SCHWEITEZER
Tech. Officer: GSFC/J I TROMBKA
CASE Category: 11 – ASTRONOMY

NAG 5 8636 UNIV OF CONNECTICUT 3322
UNDERSTANDING THE ERROR CHARACTERISTICS OF PRECIPI TATION ESTIMATES FROM SPACE-BASED OBSERVING SYSTE
07/10/1999 - 09/30/2002 FY02: $0 Total: $232,441
Prin. Invest.: E N ANAGOSTOU
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9639 UNIV OF CONNECTICUT 3323
INVESTIGATING THE ADEQUACY OF TRMM PRECIPITATION RADAR OBSERVATIONS FOR CALIBRATING GROUND-BASED WE
06/02/2000 - 11/30/2002 FY02: $0 Total: $219,362
Prin. Invest.: E N ANAGNOSTOU
Tech. Officer: GSFC/R J LAWRENECE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10599 UNIV OF CONNECTICUT 3324
NASA PLANNING GRANT: LEARNING COMM OF TODAY & TOMORROW
03/14/2001 - 06/15/2003 FY02: $0 Total: $25,000
Prin. Invest.: D MOSS
Tech. Officer: GSFC/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11143 UNIV OF CONNECTICUT 3325
DEPLOYMENT OF A MOBILE POLARIMETRIC X-BAND RADAR & IN SITU INSTRUMENTATION TO SUPPORT QPE....STUDIES
08/01/2001 - 07/31/2004 FY02: $0 Total: $90,000
Prin. Invest.: E N ANAGNOSTOU
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11307 UNIV OF CONNECTICUT 3326
CREATION OF AN EARTH GRANT GEOSPATIAL TECHNOLOGY E XTENSION PROGRAM (ENVIRONMENTAL RESEARCH INS
08/30/2001 - 08/31/2004 FY02: $0 Total: $25,000
Prin. Invest.: D CIVCO
Tech. Officer: GSFC/E SHEFFNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11470 UNIV OF CONNECTICUT 3327
USE OF SIMULATED SEQUENCE EVOLUTION IN AN ITERATIV E PARAMETRIC BOOTSTRAPALGORITHM TO ASCERTAIN LONG
12/14/2001 - 12/14/2004 FY02: $0 Total: $0
Prin. Invest.: J P GOGARTEN
Tech. Officer: GSFC/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 11527 UNIV OF CONNECTICUT 3328
MULTI-SENSOR PRECIPITATION ESTIMATION AND INVESTIG ATING IMPROVEMENTS ON WEATHER AND CLIMATE ANALYSI
01/14/2002 - 01/30/2005 FY02: $0 Total: $0
Prin. Invest.: E N ANAGNOSTOU
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11713 UNIV OF CONNECTICUT 3329
DETECTION OF GUNPOWDER RESIDUE & BODY FLUIDS USING PORTABLE X-RAY FLUORESCENCE SYSTEMS
02/26/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: J S SCHWEITZER
Tech. Officer: GSFC/J I TROMBKA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12367 UNIV OF CONNECTICUT 3330
HORIZONTAL GENE TRANSFER IN THERMOPHILIC BACTERIA: OCCURRENCE AND FUNCTIONAL IMPLICATIONS
07/09/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: J GOGARTEN
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1428 UNIV OF CONNECTICUT 3331
BOSE-EINSTEIN CONDENSATE AND ATOM LASER: COHERENCE AND OPTICAL PROPERTIES
02/02/1998 - 01/31/2003 FY02: $0 Total: $256,750
Prin. Invest.: J JAVANAINEN
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 9 1243 UNIV OF CONNECTICUT 3332
RESEARCH GRANT
07/07/2000 - 09/01/2001 FY02: $0 Total: $21,998
Prin. Invest.: M MOREAU
Tech. Officer: JSC/F MARTIN, JSC/D SICKOREZ
CASE Category: 22 – COMPUTER SCIENCE

NAG13 99001 UNIV OF CONNECTICUT 3333
BETTER LAND USE PLANNING FOR SUBUBANIZING NE, CREATING NETWORK OF GEOSPATIAL INFORMATION
02/19/1999 - 02/18/2002 FY02: $0 Total: $1,099,576
Prin. Invest.: D CIVCO
Tech. Officer: SSC/C HILL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1067 UNIV OF CONNECTICUT 3334
PRODUCTION & CONSUMPTION OF BIOGENCI GASES IN MICR OBIAL MATS
07/17/2000 - 09/30/2002 FY02: $0 Total: $150,026
Prin. Invest.: P T VISSCHER
Tech. Officer: ARC/B M BEBOUT, ARC/D J DES MARIAS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5481 UNIV OF CONNECTICUT 3335
MICROBIAL SIGNATURES OF LIFE: BIOGENIC GASES AND M INERAL PRECIPITATES AS PARAMETERS TO ASSES BACTER
02/13/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: P T VISSCHER
Tech. Officer: ARC/D J DESMARAIS, ARC/B M BEBOUT
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 3 789 UNIV OF CONNECTICUT 3336
HEAT TRANSFER IN ROTATING THIN LIQUID FILMS INCLUD ING NUCLEATE BOILING
04/07/2000 - 11/30/2003 FY02: $0 Total: $135,000
Prin. Invest.: D FAGHRI
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NGT 1 01025 UNIV OF CONNECTICUT 3337
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/22/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: K D MURPHY
Tech. Officer: LARC/W K BELVIN
CASE Category: 42 – ASTRONAUTICAL ENGR

NGT 5 82 **UNIV OF CONNECTICUT** **3338**
PREDICTING THE DISTRIBUTION OF BIODIVERSITY: INTE GRATING RE-MOTE SENSING TECHNOLOGY ANDFIELD-BASED
05/11/1999 - 07/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: R COLWELL
Tech. Officer: GSFC/M S BURRELL
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NGT 5 30369 **UNIV OF CONNECTICUT** **3339**
INVESTIGATION OF CONTINUOUS THUNDERSTORM MONITORIN G OVER LARGE REGIONS USING SATELLITEINFARED OBS
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: E ANAGNOSTOU
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30437 **UNIV OF CONNECTICUT** **3340**
INVESTIGATING FLOOD PREDICTION UNCERTAINTY OF HYDR OLOGIC MODELS DRIVEN BY SATELITE RAINFALL DATASE
08/20/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: E N ANAGNOSTOU
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 390 **UNIV OF HARTFORD** **3341**
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/13/1999 - 08/31/2001 FY02: $0 Total: $450,000
Prin. Invest.: S TOWNSEND
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 601 **UNIV OF HARTFORD** **3342**
CONNECTICUT NASA EPSCOR PROGRAM
11/29/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: S L TOWNSEND
Tech. Officer: GSFC/D DEYTROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40031 **UNIV OF HARTFORD** **3343**
NATIONAL SPACE GRANT COLL AND FELLOWSHIP PROGRA
12/30/1996 - 02/28/2001 FY02: -$61,206 Total: $746,294
Prin. Invest.: S L TOWNSEND
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40093 **UNIV OF HARTFORD** **3344**
CONNECTICUT SPACE GRANT COLL AND FELLOWSHIP PRO GRAM
02/28/2001 - 06/30/2005 FY02: $61,206 Total: $273,706
Prin. Invest.: S TOWNSEND
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4821 **WESLEYAN UNIV** **3345**
PHOTOMETRIC STUDIES OF T TAURI STARS
06/18/1997 - 05/31/2002 FY02: $0 Total: $254,400
Prin. Invest.: D HERBST
Tech. Officer: GSFC/DNAVA
CASE Category: 11 – ASTRONOMY

NAG 5 9064 **WESLEYAN UNIV** **3346**
MEASURING THE GALACTIC POTENTIAL WITH NASA'S SPACE INTERFER-OMETRY MISSION - LTSA 99
02/29/2000 - 02/14/2005 FY02: $0 Total: $77,480
Prin. Invest.: K V JOHNSTON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 21 – MATHEMATICS

NAG 5 12001 **WESLEYAN UNIV** **3347**
AUTONOMOUS MINERAL DETECTORS FOR MARS ROVERS AND LANDERS
04/17/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: M S GILMORE
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12502 **WESLEYAN UNIV** **3348**
PHOTOMETRIC STUDIES OF T TAURI STARS
08/27/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: W HERBST
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 2 1433 **YALE UNIV** **3349**
EFFECTS OF SPACE FLIGHT ON DROSOPHILA NEURAL DEVEL OPMENT
08/29/2000 - 09/30/2002 FY02: $0 Total: $209,415
Prin. Invest.: H S KESHISHIAN
Tech. Officer: ARC/D R BUBENHEIM, ARC/M F VASQUEZ
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1504 **YALE UNIV** **3350**
MECHANISMS OF GRAVITY-EVOKED NEURONAL PLASTICITY
07/16/2001 - 09/30/2002 FY02: $0 Total: $75,000
Prin. Invest.: R G KALB
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 1935 **YALE UNIV** **3351**
RHEOLOGY OF CONCENTRATED EMULSLIONS
08/05/1996 - 05/31/2001 FY02: $0 Total: $470,000
Prin. Invest.: M LOEWENBERG
Tech. Officer: GRC/B SINGH
CASE Category: 43 – CHEMICAL ENGR

NAG 3 1939 **YALE UNIV** **3352**
COMPUTATIONAL & EXPERIMENTAL STUDY OF LAMINAR DIFF USION FLAMES IN A MICROGRAVITY ENVIRONMENT
08/05/1996 - 11/30/2002 FY02: $0 Total: $444,000
Prin. Invest.: M B LONG, M D SMOOKE
Tech. Officer: GRC/K J WEILAND, GRC/H D ROSS
CASE Category: 46 – MECHANICAL ENGR

NAG 3 1951 **YALE UNIV** **3353**
DESING/INTERPRETATION OF MICROGRAVITY EXPERIMENT T O OBTAIN FLUID/SOLID BOUNDARY CONDITIONS IN NON-I
08/14/1996 - 12/31/2001 FY02: $0 Total: $400,000
Prin. Invest.: D E ROSNER
Tech. Officer: GRC/B S SINGH
CASE Category: 43 – CHEMICAL ENGR

NAG 3 2262 **YALE UNIV** **3354**
COMPUTATIONAL AND EXPERIMENTAL STUDY OF ENERGETIC MATERIALS IN A COUNTERFLOW MICROGRAVITY ENVIRONMEN
04/27/1999 - 04/06/2003 FY02: $0 Total: $204,910
Prin. Invest.: M D SMOOKE
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2377 **YALE UNIV** **3355**
STUDIES OF THE DYNAMIC CONTROL AND EVAPORATION OF THREE DIMENSIONAL DROPLET ARRAYS
04/07/2000 - 11/30/2003 FY02: $0 Total: $142,000
Prin. Invest.: R E APFEL
Tech. Officer: GRC/R ROGERS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2477 **YALE UNIV** **3356**
FLOWS OF WET FOAMS AND CONCENTRATED EMULSIONS FLOWS OF WET FOAMS AND CONCENTRATED EMULSIONS
07/24/2000 - 11/30/2003 FY02: $0 Total: $176,000
Prin. Invest.: D LOEWENBERG
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2704 **YALE UNIV** **3357**
DROP COALESCENCE: DRAINAGE AND STABILIZATION OF TH IN LIQUID FILMS
02/12/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D BLAWZDZIEWICZ
Tech. Officer: GRC/M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2722 **YALE UNIV** **3358**
BUBBLE-SCALE MODELING OF FOAM DRAINAGE BUBBLE-SCALE MODEL-ING OF FOAM DRAINAGE
03/05/2002 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: D LOEWENBERG
Tech. Officer: GRC/D F CHAO
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 5255 **YALE UNIV** **3359**
X-RAY SINGLE-PHOTON SPECTROMETERS X-RAY SINGLE-PHOTON SPEC-TROMETERS
02/18/2000 - 02/03/2003 FY02: $0 Total: $340,000
Prin. Invest.: D E PROBER
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 6404 **YALE UNIV** **3360**
YBSERVATIONAL STUDIES OF DYNAMICAL EFFECTS IN GLOB ULAR CLUS-TERS
11/04/1997 - 08/31/2002 FY02: $0 Total: $424,000
Prin. Invest.: C BAILYN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8406 **YALE UNIV** **3361**
MODELING CONVECTION IN STARS; IMPROVING STELLAR MO DELS FOR STELLAR POPULATION SYNTHESIS (ATP-
03/15/1999 - 03/14/2003 FY02: $0 Total: $298,261
Prin. Invest.: P F DEMARQUE
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8589 **YALE UNIV** **3362**
PHOTON-COUNTING DETECTORS FOR SUBMILLIMETER IMAGIN G AND SPECTROSCOPY.
07/08/1999 - 07/14/2002 FY02: $0 Total: $505,559
Prin. Invest.: R J SCHOELKOPF
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 11 – ASTRONOMY

NAG 5 8813 **YALE UNIV** **3363**
FROM RNA TO CONTEMPORARY METABOLISM: THE M1 RIBOZY ME AS A MODEL SYSTEM
09/23/1999 - 08/31/2001 FY02: $0 Total: $140,000
Prin. Invest.: R L DORIT
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9168 **YALE UNIV** **3364**
GLOBULAR CLUSTER FORMATION (ATP 99_)
03/27/2000 - 06/30/2001 FY02: -$134,927 Total: $70,503
Prin. Invest.: S ZEPF
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9316 **YALE UNIV** **3365**
LANDSCAPE CHANGES IN THE MIDDLE EAST: A REGIONAL ASSESSMENT USING REMOTE SENSING
03/28/2000 - 03/31/2003 FY02: $0 Total: $635,000
Prin. Invest.: R SMITH
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9437 **YALE UNIV** **3366**
CHARACTERIZATION OF HUMID-FOREST & SAVANNA ECO-REG IONS OF WEST & CENTRAL AFRICA USING SATELLITE SEN
04/13/2000 - 04/30/2003 FY02: $0 Total: $329,573
Prin. Invest.: M ASHTON
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9554 **YALE UNIV** **3367**
RNA MODIFYING ENZYMES: DETERMINANTS OF DESIGN AND EVOLUTION OF BIOLOGICAL INFORMATION PROCESSING
05/04/2000 - 04/30/2003 FY02: $0 Total: $103,620
Prin. Invest.: D SOLL
Tech. Officer: GSFC/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 9595 **YALE UNIV** **3368**
SINGLE-PHOTON STJ DETECTORS WITH RF-SINGLE-ELEC TRON TRANSIS-TOR READOUTS FOR VISIBLE-THRU-UV
06/09/2000 - 06/30/2001 FY02: $0 Total: $100,000
Prin. Invest.: D E PROBER
Tech. Officer: GSFC/C STAHLE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9651 **YALE UNIV** **3369**
THE FORMATION AND EVOLUTION OF GLOBULAR CLUSTER SY STEMS AND IMPLICATIONSFOR THE FORMATION HISTORYO
06/22/2000 - 06/30/2001 FY02: -$137,260 Total: $94,360
Prin. Invest.: S ZEPF
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9839 **YALE UNIV** **3370**
INVESTIGATIONS OF THE TROPICAL TROPOPAUSE REGION
11/16/2000 - 12/31/2003 FY02: $59,881 Total: $186,157
Prin. Invest.: S SHERWOOD
Tech. Officer: GSFC/M R SCHOEBERL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10439 **YALE UNIV** **3371**
DEVELOPMENT OF AN ATOM INTERFEROMETER GRAVITY GRAD IOMETER FOR SPACE FLIGHT, PROPOSAL 1258
03/13/2001 - 03/14/2004 FY02: $0 Total: $281,175
Prin. Invest.: P KASEVICH
Tech. Officer: GSFC/N J DENNEHY
CASE Category: 13 – PHYSICS

NAG 5 10755 **YALE UNIV** **3372**
FABRICATION AND CHARACTERIZATION OF SUBMILLIMETER SINGLE-PHONON COUNTERS
04/20/2001 - 04/30/2003 FY02: $0 Total: $175,000
Prin. Invest.: R J SCHOELKOPF
Tech. Officer: GSFC/F HERRERO
CASE Category: 13 – PHYSICS

NAG 5 10912 **YALE UNIV** **3373**
RING-DIAGRAM ANALYSIS OF THE SOLAR SURFACE LAYERS
05/14/2001 - 05/31/2004 FY02: $0 Total: $57,221
Prin. Invest.: S BASU
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11335 **YALE UNIV** **3374**
CHANGES INFLUENCE OF HUMANS, CLIMATE, AND FIRE ON FOREST ECOSYSTEMS AND CARBON DYNAMICS IN INDONESIA
09/06/2001 - 09/14/2004 FY02: $0 Total: $253,107
Prin. Invest.: L M CURRAN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11425 **YALE UNIV** **3375**
PHOTO-COUNTING DETECTORS FOR SUBMILLIMETER IMAGING AND SPEC-TROSCOPY
12/03/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: R J SHOELKOPF
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 13 – PHYSICS

NAG 5 12056 **YALE UNIV** **3376**
INVESTIGATION OF DEEP CUMULUS FORMATION DURING CRY STAL
04/19/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: S SHERWOOD
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1351 **YALE UNIV** **3377**
NOVEL CONCEPTS IN ACOUSTROPHORESIS FOR BIO- TECHNOLOGY APPLICATIONS UNDER DIRECTION DR. APFEL.
05/23/1997 - 09/30/2001 FY02: $0 Total: $248,000
Prin. Invest.: R E APFEL
Tech. Officer: MSFC/B GUYNES, MSFC/J MAYO
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1443 **YALE UNIV** **3378**
R/S ATOM INTEFEROMETRY IN A MIRCROGRAVITY ENVIRON- MENT
02/06/1998 - 01/31/2003 FY02: $0 Total: $370,000
Prin. Invest.: M A KASEVICH
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1449 **YALE UNIV** **3379**
INVESTIGATION OF FUTURE MICROGRAVITY ATOMIC CLOCKS
03/09/1998 - 03/01/2003 FY02: $0 Total: $740,000
Prin. Invest.: K GIBBLE
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1461 **YALE UNIV** **3380**
NUCLEATION AND GROWTH MECHANISMS UNDERLYING THE MICRO-STRUCTURE OF POLYMER FOAMS PRODUCED
02/18/1998 - 01/31/2002 FY02: $0 Total: $358,333
Prin. Invest.: R E APFEL, D WU
Tech. Officer: MSFC/C TALLEY
CASE Category: 13 – PHYSICS

NAG 8 1767 **YALE UNIV** **3381**
ATOM INTERFEROMETER TEST OF THE EQUIVALENCE PRINCIPLE
05/14/2001 - 05/13/2005 FY02: $0 Total: $150,000
Prin. Invest.: M A KASEVICH, L MALEKI
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NCC 2 1229 **YALE UNIV** **3382**
DOMAIN-SPECIFIC SELF-ADAPTIVE SOFTWARE
03/26/2001 - 08/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: P HUDAK
Tech. Officer: ARC/R MORRIS
CASE Category: 22 – COMPUTER SCIENCE

NCC 3 691 **YALE UNIV** **3383**
COMBUSTION OF INDIVIDUAL BUBBLES AND SUBMERGED GAS JETS IN LIQUID FUELS
03/24/1999 - 01/11/2003 FY02: $0 Total: $303,700
Prin. Invest.: D E ROSNER
Tech. Officer: GRC/K SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 121 **YALE UNIV** **3384**
NOISE & SENSITIVITY OF SQPC SUBMILLIMETER DETECTORS/STUDENT: JOHN D. TEUFEL
05/31/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: D SCHOELKOPF
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 30371 **YALE UNIV** **3385**
ENVIRONMENTAL ASSESSMENT OF HUMAN HEALTH RISK: SPATIAL AND TEMPORAL MODELS OF LYME DISEASE
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: D FISH
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30457 **YALE UNIV** **3386**
IMPLICATIONS OF FEEDBACK BETWEEN ENSO & ANTHROPOGE NIC DISTURBANCE ON ECOSYSTEM FUNCTION AND RESI
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: L M CURRAN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50067 **YALE UNIV** **3387**
SPACE BASED LASER-COOLED ATOMIC CLOCKS
08/26/1997 - 06/30/2001 FY02: $0 Total: $65,060
Prin. Invest.: K GIBBLE
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 50287 **YALE UNIV** **3388**
GLOBAL CLUSTER SYSTEMS AS PROBES OF GALAXY FORMATI ON (STUDENT: KATHERINE RHODE)
06/22/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: C E BAILYN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

DELAWARE

NAG 1 2030 **DELAWARE STATE UNIV** **3389**
INVESTIGATION OF OPTICAL PHASE DISTORTIONS IN SOLID STATE PULSED LASER AMPLIFIER
03/23/1998 - 12/31/2001 FY02: $0 Total: $297,207
Prin. Invest.: N MELIKECHI
Tech. Officer: LARC/W C EDWARDS, LARC/N P BANRES
CASE Category: 13 – PHYSICS

NAG 3 1920 **UNIV OF DELAWARE** **3390**
FREE-SURFACE AND CONTACT-LINE MOTION OF LIQUIDS IN A MICROGRAV-ITY ENVIRONMENT
07/07/1996 - 07/10/2001 FY02: $0 Total: $355,000
Prin. Invest.: L W SCHWARTZ
Tech. Officer: GRC/M W WEISLOGEL
CASE Category: 46 – MECHANICAL ENGR

NAG 3 1955 **UNIV OF DELAWARE** **3391**
SURFACANT-BASED CRITICAL PHENOMENA IN MICROGRAVITY
08/19/1996 - 08/31/2001 FY02: $0 Total: $241,500
Prin. Invest.: E W KALER, M E PAULATIS
Tech. Officer: GRC/B S SINGH
CASE Category: 43 – CHEMICAL ENGR

NAG 5 5181 **UNIV OF DELAWARE** **3392**
PROTON/ANTI-PROTON RATIO AS A PROBE OF SOLAR MODULATION
03/26/1998 - 08/31/2001 FY02: $0 Total: $201,604
Prin. Invest.: T K GAISSER
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5221 **UNIV OF DELAWARE** **3393**
GRANT NAG5-5221 BALLOON AIR CHERENKOV (BACH) PI PROF PAUL EVENSON
03/16/1999 - 03/11/2004 FY02: $0 Total: $475,000
Prin. Invest.: P A EVENSON
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 7009 **UNIV OF DELAWARE** **3394**
NATURE AND ORIGIN OF THE HIGHEST ENERGY COSMIC RAY S - ATP
02/12/1998 - 02/14/2002 FY02: $0 Total: $293,484
Prin. Invest.: T STANOV
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7949 **UNIV OF DELAWARE** **3395**
APPLICATION OF SATELLITE ALTIMETER DATA TO STUDIES OF OCEAN SURFACE HEATFLUX AND UPPER OCEAN THERMA
12/23/1998 - 12/14/2001 FY02: $0 Total: $225,000
Prin. Invest.: X YAN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9116 **UNIV OF DELAWARE** **3396**
MARS GLOBAL SURVEYOR DATA ANALYSIS AND INTERPRETAT ION
02/28/2000 - 08/31/2002 FY02: $0 Total: $20,000
Prin. Invest.: N F NESS
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 10416 **UNIV OF DELAWARE** **3397**
LMC 1995, THE THIRD SUPERSOFT X-RAY NOVA
02/22/2001 - 02/28/2002 FY02: $0 Total: $5,000
Prin. Invest.: J MCDONALD
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10911 **UNIV OF DELAWARE** **3398**
COMPARATIVE STUDY OF INTERPLANETARY MAGNETIC FIELD TURBU-LENCE
05/11/2001 - 05/31/2004 FY02: $0 Total: $91,560
Prin. Invest.: C W SMITH
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10919 **UNIV OF DELAWARE** **3399**
HIGHEST ENERGY COSMIC RAYS
05/17/2001 - 05/31/2004 FY02: $0 Total: $90,000
Prin. Invest.: T STANLEV
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11006 **UNIV OF DELAWARE** **3400**
HEATING OF THE LOWER CORONA: TRANSPORT, CASCADE & RECONNEC-TION
06/05/2001 - 05/31/2002 FY02: $0 Total: $31,000
Prin. Invest.: W H MATHAEUS
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 11095 **UNIV OF DELAWARE** **3401**
FUV DIAGNOSTICS OF STRUCTURE IN HOT-STAR WINDS (FUSE 1999)
07/24/2001 - 07/31/2003 FY02: $0 Total: $20,750
Prin. Invest.: S P OWOCKI
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11228 **UNIV OF DELAWARE** **3402**
MAGNETIC FIELDS ON OB STARS (ATP 2000)
08/15/2001 - 08/14/2004 FY02: $0 Total: $10,655
Prin. Invest.: D MULLAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11232 UNIV OF DELAWARE 3403
THE SPACE INFORMATION NETWORKING ARCHITECTURE FOR FUTURE NASA SCIENCE MISSIONS
08/15/2001 - 08/14/2002 FY02: $0 Total: $30,000
Prin. Invest.: C SHEN
Tech. Officer: GSFC/J RASH
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11452 UNIV OF DELAWARE 3404
A HYBRID APPROACH FOR EVALUATING AND PREDICTING IN TERACTIONS BETWEEN THE SEASONAL SNOW PACK AND THE
12/27/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: D J LEATHERS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11522 UNIV OF DELAWARE 3405
SEARCH FOR SHOCK-METAMORPHOSED GRAINS IN PRECAMBRIAN SPE-RULE LAYERS
12/31/2001 - 01/14/2004 FY02: $0 Total: $0
Prin. Invest.: B P GLASS
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11603 UNIV OF DELAWARE 3406
INTERPLANETARY TURBULENCE AND PARTICLE TRANSPORT
01/22/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: W MATHAEUS
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11630 UNIV OF DELAWARE 3407
OBSERVATIONAL STUDIES OF THE SOLAR CORONA
02/19/2002 - 04/30/2002 FY02: $0 Total: $0
Prin. Invest.: D MULLAN
Tech. Officer: GSFC/J DAVILA
CASE Category: 11 – ASTRONOMY

NAG 5 11773 UNIV OF DELAWARE 3408
APPLICATION OF SATELLITE ALTIMETER DATA TO STUDIES OF SURFACE HEAT FLUX AND UPPER OCEAN PROCESSES
02/26/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: X YAN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11886 UNIV OF DELAWARE 3409
THE PHYSICAL CONDITIONS IN GRAND DESIGN STELLAR WIND VARIABIL-ITY.
03/27/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: S P OWOCKI
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12323 UNIV OF DELAWARE 3410
DB WHITE DWARFS (FUSE 01)
08/07/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: J L PROVENCAL
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 8 1346 UNIV OF DELAWARE 3411
PROTEIN CRYSTALLIZATION IN COMPLEX FLUIDS
05/23/1997 - 11/30/2001 FY02: $0 Total: $540,000
Prin. Invest.: E W KALER, D
Tech. Officer: MSFC/D SMITH
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1427 UNIV OF DELAWARE 3412
DROPLETS OF 3HE-4HE MIXTURES
02/11/1998 - 01/31/2003 FY02: $0 Total: $324,000
Prin. Invest.: S T CHUI
Tech. Officer: MSFC/J W POE
CASE Category: 13 – PHYSICS

NAG 8 1830 UNIV OF DELAWARE 3413
SUFACTANT STRUCTURES GUIDE MEMBRANE PROTEIN CRYSTALLIZATION
10/10/2001 - 11/30/2004 FY02: $44,000 Total: $44,000
Prin. Invest.: E W KALER, C ROBINSON, M LENHOFF
Tech. Officer: MSFC/B GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 989 UNIV OF DELAWARE 3414
PROPOSAL TO DEVELOPE ASTRONAUT TRAINING
02/08/1998 - 06/30/2002 FY02: $0 Total: $20,000
Prin. Invest.: V KLEMAS, Q ZHEN
Tech. Officer: JSC/S K RUNCO
CASE Category: 33 – OCEANOGRAPHY

NCC 3 843 UNIV OF DELAWARE 3415
SOOT FORMATION IN PURELY-CURVED PREMIXED FLAMES AN D LAMINAR FLAME SPEEDS OF SOOT-FORMING FLAMES
12/28/2000 - 11/30/2004 FY02: $0 Total: $30,000
Prin. Invest.: D WANG
Tech. Officer: GRC/K R SACKSTER
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 50367 UNIV OF DELAWARE 3416
SENSOR DESIGN AND CONTROL FOR THE REAL-TIME OPTIMI ZATION OF CULTURING CONDITIONS, ANALYSISAND CONT
06/12/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: P DHUJATI
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 3530 UNIV OF DELAWARE - BARTOL RESEARCH INST 3417
MULTI-SPECTRAL DIAGNOSTICS AND DYNAMICAL MODELLING STAR WINDS
12/13/1996 - 11/30/2002 FY02: $0 Total: $489,078
Prin. Invest.: S P OWOCKI
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6470 UNIV OF DELAWARE - BARTOL RESEARCH INST 3418
ULYSSES-SWICS CONSTRAINTS ON NON-MAXWELLIAN ELECTR ON DIS-TRIBUTIONS AND UNEQUAL ION FLOW SPEEDS IN A
11/14/1997 - 10/31/2001 FY02: $0 Total: $165,275
Prin. Invest.: S OWOCKI
Tech. Officer: HQ/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 6570 UNIV OF DELAWARE - BARTOL RESEARCH INST 3419
INVESTIGATION OF INTERPLANETARY TURBULENCE AT HIGH LATITUDE USING THE ULULYSSES SPACECRAFT
11/13/1997 - 10/31/2001 FY02: $0 Total: $248,199
Prin. Invest.: C SMITH
Tech. Officer: HQ/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 6969 UNIV OF DELAWARE - BARTOL RESEARCH INST 3420
ENERGETIC PARTICLE PROCESSES IN THE HELIOSPHERE
03/12/1998 - 10/31/2001 FY02: $0 Total: $276,500
Prin. Invest.: J A LE ROUX
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7142 UNIV OF DELAWARE - BARTOL RESEARCH INST 3421
TURBULENCE AND PARTICLE TRANSPORT IN SPACE PLASMAS
03/23/1998 - 02/28/2002 FY02: $0 Total: $205,200
Prin. Invest.: J BIEBER
Tech. Officer: HQ/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7164 UNIV OF DELAWARE - BARTOL RESEARCH INST 3422
TURBULENCE, RECONNECTION, AND HEATING IN THE LOWER CORONA
03/13/1998 - 04/14/2002 FY02: $0 Total: $275,851
Prin. Invest.: W H MATTHAEUS
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 7796 UNIV OF DELAWARE - BARTOL RESEARCH INST 3423
COMPOSITION AND ABUNDANCE RATIOS OF ANOMALOUS AND GALACTIC COSMIC RAYS: IMPLICATIONS OF ACE OBSERVAT
12/14/1998 - 06/30/2001 FY02: $0 Total: $241,000
Prin. Invest.: G P ZANK
Tech. Officer: GSFC/D C LING
CASE Category: 11 – ASTRONOMY

NAG 5 8134 UNIV OF DELAWARE - BARTOL RESEARCH INST 3424
RESEARCH IN "TURBLENCE AND TRANSPORT PROCESSES" T HIS IS THE FIRST YEAR OF A 3-YEAR FUNDING CYCLE.
02/04/1999 - 02/14/2003 FY02: $0 Total: $526,954
Prin. Invest.: W H MATTAEUS
Tech. Officer: GSFC/J GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 8827 UNIV OF DELAWARE - BARTOL RESEARCH INST 3425
PARTICIPATION IN NASA-GSFC MAGNETOMETER EXPERIMENT ON MARS GLOBAL SURVEYOR
09/07/1999 - 11/30/2002 FY02: $0 Total: $28,836
Prin. Invest.: N F NESS
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NGT 5 40122 UNIV OF DELAWARE - BARTOL RESEARCH INST 3426
DELAWARE SPACE GRANT COLL & FELLOWSHIP PROGRAM
03/26/2001 - 03/31/2005 FY02: $0 Total: $409,423
Prin. Invest.: N F NESS
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50167 UNIV OF DELAWARE - BARTOL RESEARCH INST 3427
PROTEIN CRYSTALLIZATION OF BINARY MIXTURES
07/08/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: A M LENHOFF, TESSIER
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

DISTRICT OF COLUMBIA

NAG 2 1456 GEORGE WASHINGTON UNIV 3428
ADAPTIVE UNSTRUCTURED GRID PARALLEL BENCHMARK
02/05/2001 - 04/30/2002 FY02: $0 Total: $36,499
Prin. Invest.: M MYERS
Tech. Officer: ARC/R BISWAS, ARC/J YAN
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 5292 GEORGE WASHINGTON UNIV 3429
THE SHAPE OF A DESCENDING BALLOON THE SHAPE OF A DESCENDING BALLOON
06/14/2000 - 11/30/2001 FY02: $0 Total: $49,948
Prin. Invest.: F BAGINSKI
Tech. Officer: WFF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5353 GEORGE WASHINGTON UNIV 3430
THE SHAPE OF A STATICALLY DETERMINATE PRESSURIZED PUMPKIN BALLOON AND THE ANALYSIS OF RELATED UNDE
01/16/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: F BAGINSKI
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 8068 GEORGE WASHINGTON UNIV 3431
IMPROVED NUMERICAL MODELING OF LOW-DENSITY ATMOSPH ERIC FLOW ON IO
01/29/1999 - 06/30/2002 FY02: $0 Total: $73,856
Prin. Invest.: D A LEVIN
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8287 GEORGE WASHINGTON UNIV 3432
MARS GLOBAL SURVEYOR ACCELEROMETER EXPERIMENT: STU DY OF MARS THERMOSPHEREAND COUPLING
02/22/1999 - 03/31/2002 FY02: $0 Total: $146,500
Prin. Invest.: G M KEATING
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9550 GEORGE WASHINGTON UNIV 3433
PRECIPITATION STUDIES USING THE TRMM MICROWAVE LINK FACILITY
05/30/2000 - 05/31/2003 FY02: $8,467 Total: $158,634
Prin. Invest.: R H LANG
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10417 GEORGE WASHINGTON UNIV 3434
DETECTION OF GUNPOWDER RESIDUE USING X-RAY FLUORES CENCE AND ELECTRON MICROSCOPY.
02/21/2001 - 06/30/2002 FY02: $0 Total: $31,915
Prin. Invest.: D A ROWLEY
Tech. Officer: GSFC/J I TROMBKA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10539 GEORGE WASHINGTON UNIV 3435
SOCIOECONOMIC BENEFITS OF NASA'S EARTH SCIENCE AND APPLICATIONS RESEARCH. PROPOSAL, JAUP, C
03/16/2001 - 06/30/2002 FY02: $0 Total: $182,761
Prin. Invest.: D A WILLIAMSON
Tech. Officer: GSFC/E TORREZ-MARTINEZ
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11101 GEORGE WASHINGTON UNIV 3436
PARALLEL DIMENSION REDUCTION OF HYPERSPECTRAL DATA
07/26/2001 - 07/31/2004 FY02: $0 Total: $31,000
Prin. Invest.: T EL-GHAZAWI
Tech. Officer: GSFC/J LE MOIGNE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11175 GEORGE WASHINGTON UNIV 3437
DATA ANALYSIS OF MGS ACCELEROMETER EXPERIMENT TO C HARACTERIZE THE MARS ATMOSPHERE AT AEROBRAKING A
08/30/2001 - 08/14/2003 FY02: $0 Total: $60,000
Prin. Invest.: G KEATING
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11317 GEORGE WASHINGTON UNIV 3438
SCIENCE AND ENGINEERING APPRENTICESHIP PROGRAM
10/01/2001 - 09/30/2004 FY02: $33,042 Total: $33,042
Prin. Invest.: M PHILLIPS
Tech. Officer: GSFC/G BLANEY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11343 GEORGE WASHINGTON UNIV 3439
DEVELOPMENT OF INDIVIDAULLY ADDRESSABLE MICRO-MIRR OR ARRAYS FOR SPACE APPLICATIONS
09/27/2001 - 09/30/2002 FY02: $0 Total: $53,686
Prin. Invest.: M ZAGHLOUL
Tech. Officer: GSFC/M DUTTA
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 11593 GEORGE WASHINGTON UNIV 3440
SOCIOECONOMIC BENEFITS OF NASA'S EARTH SCIENCE AND APPLICATIONS RESEARCH
01/16/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: R WILLIAMSON
Tech. Officer: GSFC/E TORRES-MARTINEZ
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11834 GEORGE WASHINGTON UNIV 3441
ANALYSIS OF LONG-TERM DECLINE IN THERMOSPHERIC DEN SITIES AND INTERPRETATION OF RESULTS
03/07/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: G M KEATING
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11948 GEORGE WASHINGTON UNIV 3442
GRADUATE EDUCATION AND TRAINING FOR AIR FORCE ACAD EMY ALUMNI
04/03/2002 - 08/31/2002 FY02: $0 Total: $0
Prin. Invest.: S SARKANI
Tech. Officer: GSFC/M BROWN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11951 GEORGE WASHINGTON UNIV 3443
UNVEILING THE NATURE OF SOFT GAMMA REPEATERS AND M AGNETARS
04/08/2002 - 10/14/2002 FY02: $0 Total: $0
Prin. Invest.: W PARKE
Tech. Officer: GSFC/J SWANK
CASE Category: 11 – ASTRONOMY

NAG 5 12264 GEORGE WASHINGTON UNIV 3444
MICROWAVE REMOTE SENSING OF SOIL MOISTURE UNDER CO RN.
06/11/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: R LANG
Tech. Officer: GSFC/P E O'NEIL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12594 GEORGE WASHINGTON UNIV 3445
DEVELOPMENT OF INDIVIDUALLY ADDRESSABLE MICRO-MIRR ORS ARRAYS FOR SPACE APPLICATION
09/27/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: M ZAGHLOUL
Tech. Officer: GSFC/M LI
CASE Category: 13 – PHYSICS

NAG 9 1185 GEORGE WASHINGTON UNIV 3446
DEVELOP TUNABLE DIODE LASER/CAVITY RING-DOWN SENSO R
01/11/2000 - 01/09/2003 FY02: $0 Total: $101,249
Prin. Invest.: J H MILLER
Tech. Officer: NMO/D JAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 47 GEORGE WASHINGTON UNIV 3447
CORE PROGRAM IN THE JOINT INST FOR ADVANCEMENT OF FLIGHT SCIENCES AT THE NASA-LANGLEY RESEARCH
11/05/1980 - 11/30/2000 FY02: $0 Total: $5,461,231
Prin. Invest.: J L WHITESIDES, H W LIEBOWITZ
Tech. Officer: LARC/R L YANG, LARC/M F CARD
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 326 GEORGE WASHINGTON UNIV 3448
A PROGRAM OF RESEARCH IN FLIGHT DYNAMICS IN JIAFS
01/27/1999 - 12/31/2002 FY02: $0 Total: $279,239
Prin. Invest.: V KLEIN
Tech. Officer: LARC/J G BATTERSON
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 331 GEORGE WASHINGTON UNIV 3449
A COOPERATIVE PROGRAM OF RESEARCH & EDUCATION IN AEROSPACE VEHICLE MECHANICS AT JIAFS
03/22/1999 - 12/31/2002 FY02: $0 Total: $825,992
Prin. Invest.: R H TOLSON
Tech. Officer: LARC/R W BUCHAN
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 1 370 GEORGE WASHINGTON UNIV 3450
EXPERIMENTS IN THE FLUID AND THERMAL SCIENCES
02/10/2000 - 12/31/2003 FY02: $0 Total: $251,857
Prin. Invest.: A D CUTLER
Tech. Officer: LARC/G S DISKIN, LARC/M W SMITH
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 374 GEORGE WASHINGTON UNIV 3451
AEROACOUSTICS RESEARCH PROGRAM JIAFS
02/15/2000 - 12/31/2002 FY02: $0 Total: $144,801
Prin. Invest.: M K MYERS
Tech. Officer: LARC/C A POWELL
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 384 GEORGE WASHINGTON UNIV 3452
A RESEARCH PROGRAM IN FLIGHT SCIENCES AT THE NASA LANGLEY RESEARCH CENTER - JIAFS
03/07/2000 - 12/31/2002 FY02: $0 Total: $375,303
Prin. Invest.: J L WHITESIDES
Tech. Officer: LARC/E WAGGONER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 387 GEORGE WASHINGTON UNIV 3453
A PROGRAM OF RESEARCH AND EDUCATION IN AERO-SPACE VEHICLE DESIGN, SYNTHESIS, AND OPTIMIZATION
03/13/2000 - 12/31/2002 FY02: $0 Total: $370,227
Prin. Invest.: R R SANDUSKY
Tech. Officer: LARC/M D MOORE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01017 GEORGE WASHINGTON UNIV 3454
PROGRAM OF RESEARCHF AND EDUCATION IN AEROSPACE STRUCTURES AT THE JOINT INST FORADVANCEMENT
01/18/2001 - 12/31/2002 FY02: $0 Total: $344,890
Prin. Invest.: P A COOPER, R H TOLSON
Tech. Officer: LARC/K L BRINKLEY
CASE Category: 42 – ASTRONAUTICALENGR

NCC 1 01020 GEORGE WASHINGTON UNIV 3455
A CORE PROGRAM IN JIAFS
02/02/2001 - 12/31/2002 FY02: $0 Total: $133,706
Prin. Invest.: J WHITESIDES
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1323 GEORGE WASHINGTON UNIV 3456
ADAPTIVE UNSTRUCTURED GRID PARALLEL BENCHMARK
03/12/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: M K MYERS
Tech. Officer: ARC/R BISWAS, ARC/B BIEGEL
CASE Category: 22 – COMPUTER SCIENCE

NCC 4 156 GEORGE WASHINGTON UNIV 3457
INFRARED THERMOGRAPHY FLIGHT EXPERIMENTATIONS INFRARED THERMOGRAPHY FLIGHT EXPERIMENTATIONS
05/13/2002 - 12/13/2002 FY02: $0 Total: $0
Prin. Invest.: R C BLANCHARD
Tech. Officer: DFRC/D W BANKSE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 436 GEORGE WASHINGTON UNIV 3458
PROGRAM FOR RESEARCH AND EDUCATION IN SPACE TECHNO LOGY (PREST)
10/04/1999 - 01/31/2002 FY02: $0 Total: $192,253
Prin. Invest.: S A SARKANI
Tech. Officer: GSFC/D ASATO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1366 GEORGETOWN UNIV 3459
GENE EXPRESSION OF HUMAN COLORECTAL CARCINOMA IN M ICRO-GRAVITY
08/29/2001 - 09/30/2004 FY02: $0 Total: $43,000
Prin. Invest.: J M JESSUP
Tech. Officer: JSC/D RISIN
CASE Category: 43 – CHEMICAL ENGR

NAG 1 2019 HOWARD UNIV 3460
STRUCTURE-FUNCTION RELATIONSHIPS OF IMPACT-MODIFIE D CYANATE ESTER RESINS
03/13/1998 - 03/15/2002 FY02: $0 Total: $300,000
Prin. Invest.: W E COLLINS
Tech. Officer: LARC/H L BELVIN, LARC/J W CONNELL
CASE Category: 43 – CHEMICAL ENGR

NAG 1 2148 HOWARD UNIV 3461
CONTRIBUTION OF FLAP-SIDE EDGE VORTEX BURSTING TO AIRFRAME NOISE (NRA 98-LARC-5)
02/05/1999 - 11/04/2001 FY02: $0 Total: $217,274
Prin. Invest.: S T SMITH
Tech. Officer: LARC/R R ANTOLIFF
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1526 HOWARD UNIV 3462
A SEARCH FOR PORPHYRINS & METALLOPORPHYRINS IN THE MURCHI-SON METEORITE USING MALDI-TOF MASS SPECTRO
09/27/2001 - 09/30/2003 FY02: $0 Total: $60,778
Prin. Invest.: P HAMBRIGHT
Tech. Officer: ARC/G COOPER, ARC/B J COLLINS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 1978 HOWARD UNIV 3463
AEROSPACE POWER SYSTEM AUTOMATION
10/25/1996 - 12/31/2000 FY02: $0 Total: $300,000
Prin. Invest.: J A MOMOH
Tech. Officer: GRC/J L DOLCE
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2287 HOWARD UNIV 3464
EXPERIMENTAL VERIFICATION OF ELECTRIC DRIVE TECHNO LOGIES BASED ON ARTIFICIAL INTELLIGENCE TOOLS
08/23/1999 - 06/01/2002 FY02: $0 Total: $152,000
Prin. Invest.: D RUBAAI
Tech. Officer: GRC/D F NOGA
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2429 HOWARD UNIV 3465
A TRANSPORT OPERATION AND CONTROL OF HIGH PERFORMA NCE, POWER MANAGEMENT AND DISTRIBUTION (PMAD)
05/23/2000 - 12/31/2001 FY02: -$6,861 Total: $51,204
Prin. Invest.: D A MOMOH
Tech. Officer: GRC/R M BUTTON
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2621 HOWARD UNIV 3466
DETECTION, DIAGNOSIS, LOCATION AND RECOMMENDATION OF REME-DIAL ACTIONS FOR CORONA/SOFT FAULTS
05/24/2001 - 04/05/2003 FY02: $0 Total: $57,517
Prin. Invest.: D A MOMOH
Tech. Officer: GRC/R M BUTTON
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 9175 HOWARD UNIV 3467
CELEBRATING 20TH CENTURY PIONEEERS IN ATMOSPHERIC SCIENCES
03/08/2000 - 02/28/2001 FY02: $0 Total: $20,000
Prin. Invest.: V M MORRIS
Tech. Officer: GSFC/N KHAZANIE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9279 HOWARD UNIV 3468
TO PROVIDE 7 ON-SITE INTERNSHIPS AT GODDARD FOR GRADUATE STUDENTS IN ADMINISTRATIVE DISCIPLINES
03/21/2000 - 03/31/2001 FY02: $0 Total: $73,700
Prin. Invest.: W WOODARD
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10371 HOWARD UNIV 3469
NANOCOMPOSITE-BASED COMPACT THERMOMAGNETIC CRYOCOO LERS NRA PROPOSAL#1319
02/09/2001 - 02/14/2004 FY02: $0 Total: $126,399
Prin. Invest.: T HUBER
Tech. Officer: GSFC/J TUTTLE
CASE Category: 13 – PHYSICS

NAG 5 10675 HOWARD UNIV 3470
SUPPLEMENT TO THE CENTER FOR THE STUDY OF TERRESTR IAL AND EXTRATERRESTRIAL ATMOSPHERES (CSTEA)
03/27/2001 - 03/14/2002 FY02: $0 Total: $200,000
Prin. Invest.: A N THORPE
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10838 HOWARD UNIV 3471
PUBLIC SERVICE INTERN PROGRAM
05/11/2001 - 05/31/2002 FY02: $0 Total: $73,700
Prin. Invest.: M C WOODARD
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11118 HOWARD UNIV 3472
TECHNOLOGY ASSESSMENT AND RELIABILITY CHARACTERIZA TION OF III-V SEMICONDUCTOR MODFET DEVICE
08/07/2001 - 08/14/2003 FY02: $0 Total: $50,000
Prin. Invest.: D MOHAMMAD
Tech. Officer: GSFC/A SHARMA
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 12021 HOWARD UNIV 3473
NASA/HBCU RENEWABLE ENERGY AND TEACHING UTILIZATIO N PROJECT
04/22/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: A THORPE
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12110 HOWARD UNIV 3474
MAGNETIC PROPERTIES OF PRIMITIVE CHONDRITES
05/14/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: A N THORPE
Tech. Officer: GSFC/D MENCHAN
CASE Category: 13 – PHYSICS

NAG 5 12172 HOWARD UNIV 3475
NASA/GODDARD PUBLIC SERVICE INTERN PROGRAM
05/10/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: D WOODARD
Tech. Officer: GSFC/DMENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12241 HOWARD UNIV 3476
DEVELOPMENT OF HYBRID BEOWULF/APPLE MACINTOSH OPER ATING SYSTEM X CLUSTER
05/28/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: T E SHURN
Tech. Officer: GSFC/M G REPH
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 977 HOWARD UNIV 3477
CAFFEINE METBOLISM-THE PHARMACOKINETICS OF SPACE FLIGHT
09/30/1997 - 12/31/2001 FY02: $0 Total: $394,052
Prin. Invest.: M W COOMES
Tech. Officer: JSC/L PUTCHA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAS 5 00214 HOWARD UNIV 3478
HIERARCHICAL ALGORITHMS & THEIR EMBEDDED COMPUTATIONAL REAL-IZATION IN RECONFIGURABLE H/W.
09/29/2000 - 09/28/2002 FY02: $0 Total: $234,354
Prin. Invest.: C GLOTZER
Tech. Officer: GSFC/J STEPHENS
CASE Category: 22 – COMPUTER SCIENCE

NCC 3 571 HOWARD UNIV 3479
EXPERIMENTAL EVALUATION OF MOTOR DRIVE TECHNOLOGIE S FOR FUTURE AEROSPACE APPLICATIONS
08/01/1997 - 01/31/2001 FY02: $0 Total: $312,543
Prin. Invest.: A RUBAAI, M E ELBULUK
Tech. Officer: GRC/M D KANKAM
CASE Category: 45 – ELECTRICAL ENGR

NCC 5 184 HOWARD UNIV 3480
TERRESTRIAL AND EXTRATERRESTRIAL ATMOSPHERES
03/12/1997 - 02/28/2002 FY02: $0 Total: $4,997,706
Prin. Invest.: A N THORPE
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 387 HOWARD UNIV 3481
CENTER FOR THE STUDY OF TERRESTRIAL AND EXTRATERRE STRIAL ATMOSPHERES (CSTEA)
04/16/1999 - 07/31/2001 FY02: $0 Total: $223,362
Prin. Invest.: S T SMITH
Tech. Officer: GSFC/W R HOEGY
CASE Category: 13 – PHYSICS

NCC 5 420 HOWARD UNIV 3482
CSTEA-HBCU ACACEMIC AND RESEARCH CONSORTIUM (CHARC)
08/30/1999 - 08/31/2002 FY02: $0 Total: $1,125,000
Prin. Invest.: A THORPE
Tech. Officer: GSFC/W HOEGY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 424 HOWARD UNIV 3483
GSFC/HU FELLOWSHIP IN ATMOSPHERIC SCIENCE (GOHFAS)
08/27/1999 - 08/31/2001 FY02: $0 Total: $175,000
Prin. Invest.: S T SMITH
Tech. Officer: GSFC/W HOEGY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 556 **HOWARD UNIV** **3484**
GODDARD SPACE FLIGHT CENTER/HOWARD UNIV FELL OWSHIP IN ATMOSPHERIC SCIENCE (GOHFAS)
05/24/2001 - 04/30/2004 FY02: $0 Total: $295,000
Prin. Invest.: S T SMITH
Tech. Officer: GSFC/W R HOEGY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 656 **HOWARD UNIV** **3485**
HOWARD/GSFC METEORITIC CRATERS AND METEORITES PROJ ECT
09/13/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: D N THORPE
Tech. Officer: GSFC/J L HARRINGTON
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 8 184 **HOWARD UNIV** **3486**
IMPORT OF IMPAIRED POLYADP-RIBOSYLATION AND FREE RADICAL STRESS IN ATAXIA-TELANGIECTASIA
09/01/1999 - 08/31/2001 FY02: $0 Total: $99,349
Prin. Invest.: R SRIDHAR
Tech. Officer: MSFC/R SRIDHAR
CASE Category: 56 – MEDICL

NGT 5 77 **HOWARD UNIV** **3487**
SUPPORT OF THE 1999 ASEE-NASA SUMMER FACULTY FELLO WSHIP PROGRAM (AERONAUTICS AND SPACE RESE
03/25/1999 - 12/31/2000 FY02: $0 Total: $431,500
Prin. Invest.: J B HALPERN
Tech. Officer: GSFC/M S BURRELL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 113 **HOWARD UNIV** **3488**
SUPPORT OF THE 2001 ASEE-NASA SUMMER FACULTY FELLOWSHIP PROGRAM (AERONAUTICS & SPACE RESEA
04/13/2001 - 03/31/2003 FY02: $0 Total: $354,000
Prin. Invest.: J B HALPERN
Tech. Officer: GSFC/M S BURRELL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12500 **SOUTHEASTERN UNIV** **3489**
PROJECT ESCAPE (EAGER STUDENT COMM ACTIVISM F OR PLANET EARTH)
09/30/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: G GRANTHAM
Tech. Officer: GSFC/D MENCHAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10027 **THE AMERICAN UNIV** **3490**
DEEP LITHOSPHERIC STRUCTURE.
10/02/2000 - 09/30/2001 FY02: $0 Total: $7,740
Prin. Invest.: J KUTINA
Tech. Officer: GSFC/P TAYLOR
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 5 482 **THE AMERICAN UNIV** **3491**
DEVELOPMENT OF STATE-OF-THE-ART SOLID STATE LASERS FOR ALTIMETRY & OTHER LIDAR APPLICATIONS
03/23/2000 - 02/28/2003 FY02: $0 Total: $343,682
Prin. Invest.: R B KAY
Tech. Officer: GSFC/J L BUFTON
CASE Category: 13 – PHYSICS

NCC 5 630 **THE AMERICAN UNIV** **3492**
OCILLATOR ARCHITECTURE
02/12/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: R KAY
Tech. Officer: GSFC/M M MATSUMURA
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 40068 **THE AMERICAN UNIV** **3493**
DISTRICT OF COLUMBIA/NATIONAL SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/29/2000 - 02/28/2003 FY02: $0 Total: $425,000
Prin. Invest.: R BERENDZEN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01066 **THE CATHOLIC UNIV OF AMERICA** **3494**
REAL-TIME ADAPTIVE AUTOMATION OF FLIGHT TASKS
04/18/2001 - 12/31/2001 FY02: $0 Total: $38,837
Prin. Invest.: R PARASURAMAN
Tech. Officer: LARC/L J PRINZEL
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 5 3378 **THE CATHOLIC UNIV OF AMERICA** **3495**
OBSERVATIONS AND ANALYSIS OF DATA OBTAINED BY THE SPACE TELESCOPE IMAGING SPECTROGRAPH
08/28/1996 - 09/30/2002 FY02: $0 Total: $453,665
Prin. Invest.: A BOGGESS
Tech. Officer: GSFC/T R GULL
CASE Category: 11 – ASTRONOMY

NAG 5 3487 **THE CATHOLIC UNIV OF AMERICA** **3496**
MEASURING BORON ABUNDANCES WITH IUE SPECTRA USING LINES
11/25/1996 - 11/14/2000 FY02: $0 Total: $31,905
Prin. Invest.: F C BRUNHWEILER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 4103 **THE CATHOLIC UNIV OF AMERICA** **3497**
OBSERVATIONS AND ANALYSIS OF SEYFERT GALAXIES WITH THE SPACE TELESCOPE IMAGINGSPECTROGRAPH
03/31/1997 - 08/31/2002 FY02: $0 Total: $812,607
Prin. Invest.: S KRAEMER
Tech. Officer: GSFC/T GULL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4940 **THE CATHOLIC UNIV OF AMERICA** **3498**
INTERPRETIVE TOOLS FOR ANALYSIS OF CORONAL IMAGES
06/23/1997 - 09/30/2002 FY02: $0 Total: $192,800
Prin. Invest.: O C ST.CYR
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 6139 **THE CATHOLIC UNIV OF AMERICA** **3499**
NEAR-SURFACE MANIFESTATIONS OF GEO-EFFECTIVE SOLAR
09/08/1997 - 09/14/2002 FY02: $0 Total: $198,827
Prin. Invest.: D GOPALSWAMY
Tech. Officer: GSFC/W J WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 6239 **THE CATHOLIC UNIV OF AMERICA** **3500**
A STUDY OF PHYSICAL PROCESSES IN THE ATMOSPHERE OF
09/08/1997 - 09/30/2002 FY02: $0 Total: $268,375
Prin. Invest.: R D ROBINSON
Tech. Officer: GSFC/K G CARPENTER
CASE Category: 11 – ASTRONOMY

NAG 5 7753 THE CATHOLIC UNIV OF AMERICA 3501
QUANTITATIVE ANALYSIS OF ETHANE AND METHANE IN COM ETS HY-AKUTAKE AND HALE-BOPP: DETERMINATION O
12/08/1998 - 12/31/2001 FY02: $0 Total: $98,174
Prin. Invest.: N RUSSO
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 7905 THE CATHOLIC UNIV OF AMERICA 3502
SPATIAL-SPECTRAL MAPPING OF COMETARY CO EMISSION, AND COMPARISON WITH OTHER ORGANICS
12/10/1998 - 09/30/2002 FY02: $0 Total: $238,350
Prin. Invest.: D A DISANTI
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8018 THE CATHOLIC UNIV OF AMERICA 3503
INTERPRETATION OF SOHO/LASCO,EIT, UVCS OBSERVATION S USING A MULTI-DIMENSIONAL MHD MODEL
01/06/1999 - 12/31/2002 FY02: $0 Total: $172,276
Prin. Invest.: M GUATHAKURTA
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8276 THE CATHOLIC UNIV OF AMERICA 3504
RADIATIVE ACCELERATION CALCULATIONS FOR B STAR ENV ELOPES AND ATMOSPHERES(ATP 98)
02/19/1999 - 02/28/2003 FY02: $0 Total: $157,491
Prin. Invest.: C R PROFFITT
Tech. Officer: GSFC/R K OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8508 THE CATHOLIC UNIV OF AMERICA 3505
EXPERIMENTAL STUDIES OF IGNEOUS PROCESSES IN ENSTATITE METEORITES
05/21/1999 - 04/30/2003 FY02: $0 Total: $20,000
Prin. Invest.: T DICKINSON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8622 THE CATHOLIC UNIV OF AMERICA 3506
CONTINUED DEVELOPMENT OF A FABRY-PEROT AND LYOT NARROW BAND IMAGING SYSTEM.
06/22/1999 - 06/30/2002 FY02: $0 Total: $58,180
Prin. Invest.: F C BRUHWEILER
Tech. Officer: GSFC/B WOODGATE
CASE Category: 11 – ASTRONOMY

NAG 5 8691 THE CATHOLIC UNIV OF AMERICA 3507
A SEARCH FOR ROTATIONAL MODULATION OF X-RAY CTRS ON GAMMA CAS (BO.5E)
07/21/1999 - 01/31/2001 FY02: $0 Total: $9,810
Prin. Invest.: R D ROBINSON
Tech. Officer: GSFC/J SWANK
CASE Category: 11 – ASTRONOMY

NAG 5 8761 THE CATHOLIC UNIV OF AMERICA 3508
HUMAN BIOLOGY-BASED ADAPTIVE SYSTEMS IN SUPPORT OF SPACE EXPLORATION
09/03/1999 - 08/31/2003 FY02: $0 Total: $472,334
Prin. Invest.: R D PARASURAMAN
Tech. Officer: GSFC/R CROUCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8793 THE CATHOLIC UNIV OF AMERICA 3509
ULTRAVIOLET DIAGNOSTICS OF MAGNETIC AND RELATED ACTIVITY IN MAIN SEQUENCE B STARS (ADP 98)
09/07/1999 - 11/30/2002 FY02: $0 Total: $65,760
Prin. Invest.: M SMITH
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8968 THE CATHOLIC UNIV OF AMERICA 3510
CORONAL EMISSION AND MASS LOSS IN THE HOTTEST STAR OF THE H-R DIAGRAM - FUSE
01/24/2000 - 01/31/2002 FY02: $0 Total: $48,100
Prin. Invest.: F C BRUHWEILER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 8977 THE CATHOLIC UNIV OF AMERICA 3511
PHASE RESOLVED STUDIES OF THE MAGNETIC A-STAR 17 COM A (HD 108662)- FUSE
01/24/2000 - 01/31/2003 FY02: $0 Total: $16,500
Prin. Invest.: C R PROFFITT
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 8998 THE CATHOLIC UNIV OF AMERICA 3512
THE DRIVERS OF CORONAL AND INTERPLANETARY SHOCKS.
02/02/2000 - 02/14/2002 FY02: $0 Total: $110,000
Prin. Invest.: N GOPALSWAMY
Tech. Officer: GSFC/M L KAISER
CASE Category: 11 – ASTRONOMY

NAG 5 9502 THE CATHOLIC UNIV OF AMERICA 3513
GLOBAL MEASUREMENT OF SOLAR WIND SPEED AND TEMPERA TURE IN THE SUN'S CORONA USING GROUNDBASED VISIBL
06/06/2000 - 06/14/2003 FY02: $0 Total: $251,639
Prin. Invest.: O ST.CYR
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9539 THE CATHOLIC UNIV OF AMERICA 3514
ABUNDANCES OF VERY HEAVY ELEMENTS IN LATE-B AND EARLY-A STARS (ADP 99)
05/09/2000 - 05/14/2003 FY02: $0 Total: $60,458
Prin. Invest.: G W WAHLGREN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9600 THE CATHOLIC UNIV OF AMERICA 3515
MICROWAVE ENHANCEMENT IN CORONAL HOLES: STRUCTURE, VARIABILITY & MAGNETIC NATURE
05/19/2000 - 09/14/2002 FY02: $0 Total: $22,000
Prin. Invest.: N GOPALSWAMY
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9696 THE CATHOLIC UNIV OF AMERICA 3516
HOT POPULATIONS IN NEARBY ELLIPTICAL GALAXIES - FUSE
07/18/2000 - 07/31/2003 FY02: $0 Total: $58,879
Prin. Invest.: T BROWN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9888 THE CATHOLIC UNIV OF AMERICA 3517
A SPECTROSCOPIC STUDY OF ION MOTIONS IN CORONAL HOLES USING SOHO/SUMER OBSERVATIONS
08/24/2000 - 08/31/2003 FY02: $0 Total: $99,686
Prin. Invest.: T MORAN
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 10006 THE CATHOLIC UNIV OF AMERICA 3518
LARGE-SCALE STRUCTURE IN THE DISTANT UNIVERSE
09/22/2000 - 09/30/2002 FY02: $0 Total: $91,366
Prin. Invest.: F C BRUHWEILER
Tech. Officer: GSFC/B WOODGATE
CASE Category: 11 – ASTRONOMY

NAG 5 10013 THE CATHOLIC UNIV OF AMERICA 3519
RESEARCH EXPERIENCES FOR UNDERGRADUATES IN THE LABORATORY FOR ASTRONOMY & SOLARPHYSICS
09/25/2000 - 09/30/2005 FY02: $0 Total: $96,107
Prin. Invest.: F C BRUHWEILER
Tech. Officer: GSFC/C CRANNEL
CASE Category: 11 – ASTRONOMY

NAG 5 10033 THE CATHOLIC UNIV OF AMERICA 3520
SPACE QUALIFICATION OF LARGE LIGHTWEIGHT MIRROR TECHNOLOGY FOR USE AT VISIBLE &NEAR-IR WAVELENG
09/29/2000 - 12/31/2001 FY02: $0 Total: $84,000
Prin. Invest.: P C CHEN
Tech. Officer: GSFC/S G NEFF
CASE Category: 11 – ASTRONOMY

NAG 5 10095 THE CATHOLIC UNIV OF AMERICA 3521
DEVELOPMENT OF IR ARRAY SPECTROMETERS FOR GROUND- BASED & SPACE-BORNE PLANETARYASTRONOMY.
11/28/2000 - 11/30/2003 FY02: $4,000 Total: $115,305
Prin. Invest.: F C BRUHWEILER
Tech. Officer: GSFC/D C REUTER
CASE Category: 11 – ASTRONOMY

NAG 5 10130 THE CATHOLIC UNIV OF AMERICA 3522
SOLAR WIND ELECTRON DATA ANALYSES
12/06/2000 - 06/14/2002 FY02: $0 Total: $64,000
Prin. Invest.: Y WHANG
Tech. Officer: GSFC/K W OGILVIE
CASE Category: 13 – PHYSICS

NAG 5 10231 THE CATHOLIC UNIV OF AMERICA 3523
THE DRIVERS OF CORONAL AND INTERPLANETARY SHOCKS
01/22/2001 - 02/14/2004 FY02: $0 Total: $97,270
Prin. Invest.: N GOPALSWANY
Tech. Officer: GSFC/M L KAISER
CASE Category: 11 – ASTRONOMY

NAG 5 10307 THE CATHOLIC UNIV OF AMERICA 3524
DEVELOPMENT OF INSTRUMENTATION & MISSION OPERATION CONCEPTS FOR THE SOLAR TERRESTRIAL RELATIONS OBSE
01/31/2001 - 01/31/2005 FY02: $0 Total: $128,250
Prin. Invest.: D ST. CYR
Tech. Officer: GSFC/D ORWIG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10382 THE CATHOLIC UNIV OF AMERICA 3525
MONITORING THE VARIABLE ABSORPTION IN THE SEYFERT 1 GALAXY NGC 3783 WITH FUSE, HST, AND CHANDRA
02/06/2001 - 02/14/2003 FY02: $0 Total: $85,600
Prin. Invest.: D CRENSHAW
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10492 THE CATHOLIC UNIV OF AMERICA 3526
CONTINUED MAPPING OF HIGH-ALTITUDE OZONE & SEARCH FOR NIGHT-GLOW ON MARS
02/27/2001 - 02/28/2004 FY02: $0 Total: $59,800
Prin. Invest.: V KRASNOPOLSKY
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10500 THE CATHOLIC UNIV OF AMERICA 3527
SCIENTIFIC WORKSHOP AT THE CATHOLIC UNIV OF AMERICA: MASSS OUTFLOWIN ACTIVE GALACTIC NUCLEI: N
03/09/2001 - 12/31/2001 FY02: $0 Total: $10,000
Prin. Invest.: S KRAEMER
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10575 THE CATHOLIC UNIV OF AMERICA 3528
CORRELATIVE PHOTOCHEMICAL STUDY OF THE IRTF-CSHELL MAPS OF 03, CO & H2O & THE MGS TES OBSERVATIONS O
03/13/2001 - 03/14/2004 FY02: $0 Total: $55,000
Prin. Invest.: V KRASNOPOLSKY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10680 THE CATHOLIC UNIV OF AMERICA 3529
DARK CLUSTERS AS GRAVITATIONAL LENSES
04/02/2001 - 03/31/2003 FY02: $0 Total: $24,020
Prin. Invest.: G WILLIGER
Tech. Officer: GSFC/D KAZANAS
CASE Category: 11 – ASTRONOMY

NAG 5 10795 THE CATHOLIC UNIV OF AMERICA 3530
GROUND-BASED INFRARED SPECTROSCOPY OF WATER IN COMETS: FLUORESCENCE MODELING AND QUANTITATIVE AN
04/25/2001 - 04/30/2004 FY02: $0 Total: $42,300
Prin. Invest.: N D RUSSO
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10837 THE CATHOLIC UNIV OF AMERICA 3531
PROPAGATION OF CMES THROUGH THE INTERPLANETARY MEDIUM: INTERACTIONS WITH THE SOLAR WIND
04/27/2001 - 04/30/2002 FY02: $0 Total: $50,880
Prin. Invest.: N GOPALSWAMY
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10867 THE CATHOLIC UNIV OF AMERICA 3532
X-RAY & MICROWAVE MODELS IN SUPPORT OF HESSI SOLAR FLARE OBSERVATIONS.
05/07/2001 - 05/14/2002 FY02: $0 Total: $10,800
Prin. Invest.: L OFMAN
Tech. Officer: GSFC/G D HOLMAN
CASE Category: 11 – ASTRONOMY

NAG 5 10870 THE CATHOLIC UNIV OF AMERICA 3533
RXTE FLARES ON PROX CEN (ADP 00)
05/07/2001 - 05/14/2003 FY02: $0 Total: $11,941
Prin. Invest.: R D ROBINSON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10931 THE CATHOLIC UNIV OF AMERICA 3534
INVESTIGATING THE EXCITATION MECHANISM FOR COMETARY X-RAY, EUV, & FUV EMISSIONS(FUSE 2000)
05/16/2001 - 05/31/2002 FY02: $0 Total: $10,000
Prin. Invest.: V KRASNOPOLSKY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10944 THE CATHOLIC UNIV OF AMERICA 3535
JUST WHAT IS ETA CARINAE - FUSE 00
05/24/2001 - 05/31/2003 FY02: $0 Total: $23,500
Prin. Invest.: R IPING
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11003 THE CATHOLIC UNIV OF AMERICA 3536
PHYSICAL PROPERTIES OF THE SOLAR WIND IN CORONAL HOLES DEDUCED FROM WAVES IN PLUMES
06/06/2001 - 05/31/2002 FY02: $0 Total: $10,000
Prin. Invest.: L OFMAN
Tech. Officer: GSFC/W J WAGNER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11014 THE CATHOLIC UNIV OF AMERICA 3537
SEARCH FOR H2 IN MARS' ATMOSPHERE (FUSE 1999)
06/25/2001 - 06/30/2002 FY02: $0 Total: $25,900
Prin. Invest.: V KRASNOPOLSKY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11131 THE CATHOLIC UNIV OF AMERICA 3538
EVOLUTION OF THE BASTILLE DAY SHOCK AND MERGED INTERACTION REGION
07/24/2001 - 10/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: Y C WHANG
Tech. Officer: GSFC/L F BURLAGA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11137 THE CATHOLIC UNIV OF AMERICA 3539
CIRCUMSTELLAR ENVIRONMENTS OF EVOLVED STARS AND THEIR INTERACTION WITH THE INTERSTELLAR MEDIUM
07/20/2001 - 07/31/2004 FY02: $0 Total: $115,711
Prin. Invest.: F C BRUHWEILER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11162 THE CATHOLIC UNIV OF AMERICA 3540
CONSEQUENCES OF CME INTERACTION IN THE INTERPLANET ARY MEDIUM
08/07/2001 - 08/14/2003 FY02: $0 Total: $60,000
Prin. Invest.: J W BROSIUS
Tech. Officer: GSFC/M ACUNA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11225 THE CATHOLIC UNIV OF AMERICA 3541
SOLAR WIND INTERACTION WITH THE MARTIAN CRUSTAL MA GNETIC FIELDS AND THE IMPLICATIONS FOR THE EVOLUT
08/13/2001 - 08/14/2003 FY02: $0 Total: $75,000
Prin. Invest.: D CRIDER
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11327 THE CATHOLIC UNIV OF AMERICA 3542
DEVELOPMENT OF GOSSAMER CLASS TELESCOPE MIRRORS
09/18/2001 - 03/31/2002 FY02: $0 Total: $35,303
Prin. Invest.: P C CHEN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11342 THE CATHOLIC UNIV OF AMERICA 3543
NEW MODEL ATMOSPHERES AND SPECTRAL ENERGY DISTRIBU TIONS FOR STARS IN THE UPPER H-R DIAGRAM
09/24/2001 - 09/30/2002 FY02: $0 Total: $70,615
Prin. Invest.: F C BRUHWEILER
Tech. Officer: GSFC/S HEAP
CASE Category: 11 – ASTRONOMY

NAG 5 11377 THE CATHOLIC UNIV OF AMERICA 3544
THREE DIMENSIONAL MHD MODELING OF THE SOLAR WIND
10/26/2001 - 10/31/2002 FY02: $22,602 Total: $22,602
Prin. Invest.: L OFMAN
Tech. Officer: GSFC/A ROBERTS
CASE Category: 13 – PHYSICS

NAG 5 11395 THE CATHOLIC UNIV OF AMERICA 3545
REDUCTION AND SCIENTIFIC ANALYSIS OF INFRARED DATA OBTAINED WITH THE NEAR INFRARED SPECTROMETER
11/20/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: F C BRUHWEILER
Tech. Officer: GSFC/M M FREUND
CASE Category: 11 – ASTRONOMY

NAG 5 11705 THE CATHOLIC UNIV OF AMERICA 3546
ANALYSIS OF RXTE AO5 DATA OF GAMMA CAS (ADP 2001)
02/07/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M A SMITH
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11757 THE CATHOLIC UNIV OF AMERICA 3547
USING CDS, EIT, AND COORDINATED GROUND-BASED OBSER VATIONS TO MEASURE CORONAL MAGNETIC FIELDS AND
03/04/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: J W BROSIUS
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11815 THE CATHOLIC UNIV OF AMERICA 3548
INTERPRETATION OF SOHO/LASCO, EIT, UVCS OBSERVATIO NS USING A MULTIDIMENSIONAL MHD MODEL
03/06/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: L OFMAN
Tech. Officer: GSFC/E SITTLER
CASE Category: 13 – PHYSICS

NAG 5 11841 THE CATHOLIC UNIV OF AMERICA 3549
MAGNETOHYDRODYNAMIC PROCESSES IN THE SOLAR CORONA AND THE SOLAR WIND.
03/11/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: L OFMAN
Tech. Officer: GSFC/J DAVILA
CASE Category: 11 – ASTRONOMY

NAG 5 11877 THE CATHOLIC UNIV OF AMERICA 3550
MULTI-FLUID AND HYBRID MODELS OF WAVES IN CORONAL STRUCTURES
03/15/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: L OFMAN
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11883 THE CATHOLIC UNIV OF AMERICA 3551
RESEARCH PROGRAM: SOLAR WIND ELECTRON DATA ANALYSE S
03/20/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: Y WHANG
Tech. Officer: GSFC/R FITZENREITER
CASE Category: 13 – PHYSICS

NAG 5 12071 THE CATHOLIC UNIV OF AMERICA 3552
EXPERIMENTAL STUDIES OF IGENOUS PROCESSES IN ENSTA TITE METEORITES
04/19/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: T DICKINSON
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12121 THE CATHOLIC UNIV OF AMERICA 3553
A FUSE DETERMINATION OF THE GRAVITATIONAL REDSHIFT AND SPECTROSCOPIC MASS OF SIRUS B
04/29/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: M SAHU
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12178 THE CATHOLIC UNIV OF AMERICA 3554
MONITORING THE VARIABLE ABSORPTION IN THE SEYFERT 1 GALAXY NGC 3783 WITHFUSE, HST, AND CHANDRA_ - FU
06/28/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: D CRENSHAW
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12208 THE CATHOLIC UNIV OF AMERICA 3555
PRODUCTION AND EXCITATION OF COMETARY CO EMISSION, AND COMPARISON WITH OTHER ORGANIC VOLATILES
06/03/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: M A DISANTI
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12235 THE CATHOLIC UNIV OF AMERICA 3556
EFFECTS OF CRUSTAL MAGNETIZATION ON THE STRUCTURE OF THE MARTIAN IONOSPHERE
05/29/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: D CRIDER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12265 THE CATHOLIC UNIV OF AMERICA 3557
HST AND GROUND-BASED OBSERVATIONS OF ASTRONOMICAL SOURCES
06/24/2002 - 06/30/2007 FY02: $0 Total: $0
Prin. Invest.: F C BRUHWEILER
Tech. Officer: GSFC/T GULL
CASE Category: 11 – ASTRONOMY

NAG 5 12285 THE CATHOLIC UNIV OF AMERICA 3558
QUANTITATIVE INFRARED DATA ANALYSIS OF ETHANE AND RELATED ORGANICS IN COMETS: OBTAINING CLUES TO THE
06/11/2002 - 06/14/2005 FY02: $0 Total: $0
Prin. Invest.: N DELLA RUSSO
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12331 THE CATHOLIC UNIV OF AMERICA 3559
SUPPORT FOR THE SYMPOSIUM: INTERSTELLAR TRAVEL AND MULTI-GENERATION SPACE SHIPS
07/08/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: F BRUHWEILER
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12347 THE CATHOLIC UNIV OF AMERICA 3560
IONIZATION STRUCTURE OF NGC 7009
08/15/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: R IPING
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12389 THE CATHOLIC UNIV OF AMERICA 3561
THE ORIGIN AND EARLY PROPAGATION OF ERUPTIONS IN THE SUN'S CORONA
07/17/2002 - 07/14/2003 FY02: $0 Total: $0
Prin. Invest.: D C WANG
Tech. Officer: GSFC/B THOMPSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12529 THE CATHOLIC UNIV OF AMERICA 3562
RADIAL EVOLUTION OF BASTILLE DAY FLOWS
08/28/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: Y C WHANG
Tech. Officer: GSFC/L F BURLAGA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 12575 THE CATHOLIC UNIV OF AMERICA 3563
SOLAR IR MAGNETIC FIELD MEASUREMENTS WITH THE CELE STE GRATING SPECTROGRAPH.
09/16/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: T MORAN
Tech. Officer: GSFC/D E JENNINGS
CASE Category: 11 – ASTRONOMY

NAG 5 12591 THE CATHOLIC UNIV OF AMERICA 3564
CRYOGENIC LABORATORY INFRARED SPECTROSCOPY FOR REM OTE SENSING OF ATMOSPHERES
09/24/2002 - 09/30/2007 FY02: $0 Total: $0
Prin. Invest.: D W STEYERT
Tech. Officer: GSFC/D C REUTER
CASE Category: 13 – PHYSICS

NCC 2 1247 THE CATHOLIC UNIV OF AMERICA 3565
HUMAN FACTORS IN DISTRIBUTED AIR-GROUND TRAFFICE M ANAGEMENT
03/26/2001 - 03/31/2003 FY02: $0 Total: $30,082
Prin. Invest.: R PARASURAMAN
Tech. Officer: ARC/R MOGFORD, ARC/P SNYDER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 380 THE CATHOLIC UNIV OF AMERICA 3566
INVESTIGATION OF X-RAY AND GAMMA-RAYS FROM SOLAR F LARES AND PLANETARY TYPE BODIES
02/12/1999 - 03/31/2003 FY02: $0 Total: $1,014,985
Prin. Invest.: R D STARR
Tech. Officer: GSFC/L ORWIG
CASE Category: 11 – ASTRONOMY

NCC 5 445 THE CATHOLIC UNIV OF AMERICA 3567
INFRARED SPECTROSCOPY OF COMETS: AN OBSERVATIONAL AND EXPERIMENTAL STUDYOF COMETARY COMPOSITION AND
04/20/2000 - 05/31/2003 FY02: $0 Total: $38,140
Prin. Invest.: N DELLO RUSSO
Tech. Officer: GSFC/M J MUMMA
CASE Category: 13 – PHYSICS

NCC 5 452 THE CATHOLIC UNIV OF AMERICA 3568
CHEMICAL/PHYSICAL PROPERTIES OF PLANETARY & ASTRO- PHYSICAL MOLECULES
02/03/2000 - 04/30/2005 FY02: $0 Total: $542,309
Prin. Invest.: T THORN
Tech. Officer: GSFC/J E ALLEN
CASE Category: 12 – CHEMISTRY

NCC 5 504 THE CATHOLIC UNIV OF AMERICA 3569
SPATIAL-SPECTRAL MAPPING OF CO AND OTHER EMISSIONS IN COMETS, AND OF WATER IN MARS ATMOSPHERE
06/27/2000 - 03/31/2003 FY02: $0 Total: $15,580
Prin. Invest.: M A DISANTI
Tech. Officer: GSFC/M J MUMMA
CASE Category: 13 – PHYSICS

NCC 5 512 THE CATHOLIC UNIV OF AMERICA 3570
RENEWAL OF COOP AGREEMENT NCC-418 MAINTENANCE OF CDAW DATA BASE.
08/24/2000 - 08/31/2001 FY02: $0 Total: $7,000
Prin. Invest.: N GOPALSWAMY
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 5 548 THE CATHOLIC UNIV OF AMERICA 3571
HESSI DATA ANALYSIS
04/06/2001 - 04/14/2003 FY02: $0 Total: $61,400
Prin. Invest.: J BROSIUS
Tech. Officer: GSFC/B DENNIS
CASE Category: 13 – PHYSICS

NCC 5 636 THE CATHOLIC UNIV OF AMERICA 3572
RESEARCH OF COSMIC HARD X-RAYS AND GAMMA-RAYS
03/05/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: R D STARR
Tech. Officer: GSFC/J A NUTH
CASE Category: 11 – ASTRONOMY

NGT 1 01028 THE CATHOLIC UNIV OF AMERICA 3573
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/12/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: R PARASUROMA
Tech. Officer: LARC/D J WING
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52190 THE CATHOLIC UNIV OF AMERICA 3574
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/20/1998 - 06/30/2001 FY02: $0 Total: $54,001
Prin. Invest.: S M GALSTER, R PARASURAMAN
Tech. Officer: LARC/P C SHUTTE, LARC/A T POPE
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 5 4724 UNIV OF DISTRICT OF COLUMBIA 3575
SATURDAY ACADEMY PROGRAM
06/19/1997 - 03/31/2001 FY02: $0 Total: $1,768,980
Prin. Invest.: W R COLEMAN
Tech. Officer: GSFC/L RANDOLPH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9545 UNIV OF DISTRICT OF COLUMBIA 3576
REMOTE SENSING SPECTRAL IDENTIFICATION OF FRESHWAT ER PLANKTON
05/03/2000 - 09/30/2002 FY02: $0 Total: $72,143
Prin. Invest.: H L PHELPS
Tech. Officer: GSFC/D MENCHAN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 10855 UNIV OF DISTRICT OF COLUMBIA 3577
RETAINING HIGH POTENTIAL JUNIOR AND SENIOR HIGH SCHOOL STUDENTS
05/02/2001 - 09/30/2002 FY02: $0 Total: $295,047
Prin. Invest.: W COLEMAN
Tech. Officer: GSFC/C HOLLINSWORTH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12335 UNIV OF DISTRICT OF COLUMBIA 3578
SCIENCE AND ENGINEERING CENTER'S SUMMER ACADEMIC E NRICHMENT PROGRAM
07/11/2002 - 07/14/2003 FY02: $0 Total: $0
Prin. Invest.: G DAVIS
Tech. Officer: GSFC/D HALE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

FLORIDA

NAG10 195 BETHUNE - COOKMAN COLL 3579
OPERATION OF THE CNTR FOR SPACE EDUCATION
09/11/1996 - 09/30/2001 FY02: $0 Total: $1,691,580
Prin. Invest.: G W BECKLES, A E LONG
Tech. Officer: KSC/S DUTCZAK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG10 269 BETHUNE - COOKMAN COLL 3580
NASA/FLORIDA MINORITY INST ENTREPRENEURIAL PARTNERSHIP
09/13/1999 - 10/31/2001 FY02: $0 Total: $1,200,000
Prin. Invest.: A D TAYLOR
Tech. Officer: KSC/W B WILLIAMS
CASE Category: 79 – SOCIAL SCIENCE, OTHER

NCC 5 426 BETHUNE - COOKMAN COLL 3581
A BETTER, FASTER AND INEXPENSIVE PHOTOGRAMMETRY SYSTEM
09/07/1999 - 08/31/2002 FY02: $0 Total: $199,991
Prin. Invest.: E F EKPO
Tech. Officer: GSFC/S E HETHERINGTON
CASE Category: 13 – PHYSICS

NCC10 55 BETHUNE - COOKMAN COLL 3582
OPERATION AT THE CENTER FOR SPACE EDUCATION
09/24/2001 - 09/24/2006 FY02: $0 Total: $361,258
Prin. Invest.: A LONG
Tech. Officer: KSC/S DUTCZAK, KSC/P SAILER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11097 ECKERD COLL 3583
INFRARED SPECTRA OF COSMIC-TYPE ICES CONTAINING NITROGEN
07/06/2001 - 07/14/2004 FY02: $0 Total: $10,000
Prin. Invest.: R L HUDSON
Tech. Officer: GSFC/M H MOORE
CASE Category: 12 – CHEMISTRY

NAG 1 02087 EMBRY-RIDDLE AERONAUTICAL UNIV 3584
TRAINING & TRANSITION WITH ADVANCED DISPLAYS
05/01/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: R L NEWMAN, S N STANDIFORD
Tech. Officer: LARC/L J GLAAB
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 5199 EMBRY-RIDDLE AERONAUTICAL UNIV 3585
ICE CONTENT AND ODD-OXYGEN IN NOCTILUCENT-CLOUDS (ICON)
06/18/1998 - 03/31/2003 FY02: $0 Total: $313,791
Prin. Invest.: P J ESPY
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5265 EMBRY-RIDDLE AERONAUTICAL UNIV 3586
FIRST YEAR FUNDING/ CYROGENIC WHOLE AIR SAMPLING OF CARBON DIOXIDE IN THE UPPER MESOSPHERE
04/12/2000 - 03/23/2003 FY02: $0 Total: $218,300
Prin. Invest.: P W ERDMAN
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 10066 EMBRY-RIDDLE AERONAUTICAL UNIV 3587
ENERGETICS & DYNAMICS OF THE MESOSPHERE & LOWER THERMOSPHERE; TIMED/CEDAR COLLABORATIVE STUDIES
10/31/2000 - 10/31/2003 FY02: $0 Total: $198,600
Prin. Invest.: G G SIVJEE
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCA 1 133 EMBRY-RIDDLE AERONAUTICAL UNIV 3588
1996 AGATE - GENERAL AVIATION
07/23/1996 - 10/31/2001 FY02: $0 Total: $3,822,800
Prin. Invest.: S HAMPTON
Tech. Officer: LARC/B J HOLMES, LARC/M H DURHAM
CASE Category: 41 – AERONAUTICAL ENGNR

NCA 1 01003 EMBRY-RIDDLE AERONAUTICAL UNIV 3589
SOUTHEAST SATSLAB
08/31/2001 - 09/30/2002 FY02: $0 Total: $500,000
Prin. Invest.: S HAMPTON
Tech. Officer: LARC/JR BURLEY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 685 EMBRY-RIDDLE AERONAUTICAL UNIV 3590
SILICON CARBIDE DIODE MIXERS FOR IMPROVED SAFETY I N AIRCRAFT RF AVIONICS
03/04/1999 - 06/26/2002 FY02: $0 Total: $73,025
Prin. Invest.: A HELFRICK
Tech. Officer: GRC/P G NEUDECK
CASE Category: 45 – ELECTRICAL ENGR

NAG 2 1384 FLA INTERNATIONAL UNIV 3591
DEVELOPING AN ADVANCED EENVIRONMENT FOR COLLABORAT IVE COMPUTING BY AUGMENTING POSTDOC
09/15/1999 - 07/31/2002 FY02: $0 Total: $200,000
Prin. Invest.: I R FERNANDEZ
Tech. Officer: ARC/H T STEWART, ARC/S LAU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1440 FLA INTERNATIONAL UNIV 3592
SPECIFICATION & ANALYSIS OF SOFTWARE ARCHITECTURES OF HIGH ASSURANCE SYSTEMS
09/26/2000 - 09/14/2003 FY02: $0 Total: $194,845
Prin. Invest.: X HE, X HE
Tech. Officer: ARC/A CARDENAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 3826 FLA INTERNATIONAL UNIV 3593
BASIC RESEARCH IN ATOMIC, MOLECULAR AND OPTICAL PHYSICS IN SUPPORT OF NASA STRATEGIC ENTERPRISES
01/29/1997 - 01/31/2001 FY02: $0 Total: $298,794
Prin. Invest.: K HARDY
Tech. Officer: GSFC/R HARTLE
CASE Category: 11 – ASTRONOMY

NAG 5 8156 FLA INTERNATIONAL UNIV 3594
AVIRIS IMAGE CLASSIFICATION USING PHYTOPLANKTON RE FLECTANCE SPECTRA
02/02/1999 - 01/31/2001 FY02: $0 Total: $14,222
Prin. Invest.: L L RICHARDSON
Tech. Officer: GSFC/J W CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8791 FLA INTERNATIONAL UNIV 3595
A STUDY OF THEFINAL PRODUCT STATES OF THE DISSOCIA TIVE RECOMBINATION REACTION BY TOFSPECTROSCOPY
08/31/1999 - 08/31/2003 FY02: $0 Total: $198,472
Prin. Invest.: K HARDY
Tech. Officer: GSFC/R HARTLE
CASE Category: 13 – PHYSICS

NAG 5 9478 FLA INTERNATIONAL UNIV 3596
HIGH PERFORMANCE DATABASE MANAGEMENT WITH APPLICAT ION TO EARTH SCIENCE
04/25/2000 - 04/30/2003 FY02: $0 Total: $1,000,000
Prin. Invest.: N RISHE
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1404 FLA INTERNATIONAL UNIV 3597
USING LANDSAT 7 DATA IN GIS-BASED REVISION OF REEF BASE
05/14/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: J GEBELEIN
Tech. Officer: JSC/G BYRNE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG10 212 **FLA INTERNATIONAL UNIV** **3598**
APPLIED RESEARCH IN INDUSTRIAL & SYSTEMS ENGINEERING (ARISE) CENTER
08/29/1997 - 08/31/2001 FY02: $0 Total: $399,960
Prin. Invest.: M A CENTENO
Tech. Officer: KSC/A MITSKEVICH
CASE Category: 49 – ENGINEERING, OTHER

NAG10 251 **FLA INTERNATIONAL UNIV** **3599**
MATHEMATICS, SCIENCE & TECH ACHIEVEMENT (MSTA)
09/23/1998 - 09/22/2001 FY02: $0 Total: $299,994
Prin. Invest.: C MENDEZ
Tech. Officer: KSC/R MC KINNEY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 254 **FLA INTERNATIONAL UNIV** **3600**
PROGRAM
05/01/1999 - 07/01/2002 FY02: $0 Total: $599,982
Prin. Invest.: C MENDEZ
Tech. Officer: KSC/R MCKINNEY
CASE Category: 79 – SOCIAL SCIENCE, OTHER

NAG10 259 **FLA INTERNATIONAL UNIV** **3601**
MSTA - MATH, SCIENCE & TECHNOLOGY ACHIEVEMENT
05/01/1999 - 08/14/2002 FY02: $0 Total: $300,000
Prin. Invest.: I BECCERA-FERNANDEZ
Tech. Officer: KSC/S ROBERTS
CASE Category: 22 – COMPUTER SCIENCE

NAG10 268 **FLA INTERNATIONAL UNIV** **3602**
PROJECT VISION: VERY INTENSIVE SCIENTIFIC INTERC URRICULAR ON-SITE EDUCATION
09/09/1999 - 12/31/2001 FY02: $0 Total: $795,753
Prin. Invest.: G A ROIG
Tech. Officer: KSC/R J MCKINNEY
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG10 292 **FLA INTERNATIONAL UNIV** **3603**
SPACEPORT TECHHNOLOGY CENTER AND WORK INSTRUCTION DELIVERY INITIATIVE
09/29/2000 - 08/31/2001 FY02: $0 Total: $60,238
Prin. Invest.: M CENTENO
Tech. Officer: KSC/M GROH-HAMMOND
CASE Category: 22 – COMPUTER SCIENCE

NAG10 307 **FLA INTERNATIONAL UNIV** **3604**
ENHANCING THE SCOPE AND FUNCTIONALITY OF SAGE (SEA RCHABLE ANSWER GENERATING ENVIRONMENT)
09/28/2001 - 08/31/2002 FY02: $0 Total: $25,000
Prin. Invest.: I BECERRA-FERNANDEZ
Tech. Officer: KSC/O MELENDEZ
CASE Category: 22 – COMPUTER SCIENCE

NAG10 309 **FLA INTERNATIONAL UNIV** **3605**
BRINGING SCIENCE AND TECHNOLOGY TO HISPANIC YOUTH THROUGH TELEVISED, SPANISH-LANGUAGEMEDIA: BRIDGIN
09/28/2001 - 08/31/2002 FY02: $0 Total: $154,667
Prin. Invest.: G ROIG
Tech. Officer: KSC/J NUNEZ
CASE Category: 41 – AERONAUTICAL ENGNR

NAG10 311 **FLA INTERNATIONAL UNIV** **3606**
PROJECT M.A.S.T.T. MATHEMATICS/APPLIED SCIENCES TE ACHERS TRAINING
02/25/2002 - 11/01/2002 FY02: $0 Total: $0
Prin. Invest.: G A ROIG
Tech. Officer: KSC/H BURSIAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 321 **FLA INTERNATIONAL UNIV** **3607**
INTERNSHIP PROGRAM AT KENNEDY SPACE CENTER (IPKSC)
09/03/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: M CENTENO
Tech. Officer: KSC/G BUCKINGHAM
CASE Category: 49 – ENGINEERING, OTHER

NAS 3 02065 **FLA INTERNATIONAL UNIV** **3608**
ICING SOFTWARE CODE VALIDATION
10/24/2001 - 04/24/2002 FY02: $0 Total: $0
Prin. Invest.: M A EBADIAN
Tech. Officer: GRC/MG POTAPCZUK
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 663 **FLA INTERNATIONAL UNIV** **3609**
PROMOTING EQUITY IN PREPARING SECONDARY TEACHERS I N MATHEMATICS, SCIENCEAND TECHNOLOGY
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C MENDEZ
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01057 **FLORIDA A&M UNIV** **3610**
ACTIVE CONTROL OF BOUNDARY-LAYER SEPARATION AND FLOW DISTORTION IN ADVERSE PRESSURE GRADIENT FLOWS
03/27/2001 - 03/31/2004 FY02: $0 Total: $80,981
Prin. Invest.: F S ALVI, C SHIH
Tech. Officer: LARC/S A GORTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02059 **FLORIDA A&M UNIV** **3611**
ACTIVE-ADAPTIVE CONTROL OF INLET SEPARATION USING SUPERSONIC MICROJETS
02/28/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: F S ALVI
Tech. Officer: LARC/S A GORTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02114 **FLORIDA A&M UNIV** **3612**
PARTIAL SUPPORT TO THE 2002 NATIONAL TEACHER PREPA RATION SYMPOSIUM
09/11/2002 - 11/01/2002 FY02: $0 Total: $0
Prin. Invest.: F HAMILTON
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 2 1439 **FLORIDA A&M UNIV** **3613**
INVESTIGATION OF THE ELECTRONIC PROPERTIES OF DIST ORTED CARBON NANOTUBES
09/21/2000 - 08/31/2003 FY02: $0 Total: $186,755
Prin. Invest.: M ENCINOSA
Tech. Officer: ARC/B J COLLINS, ARC/D JAMES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 1759 FLORIDA A&M UNIV 3614
A GRADUATE FELLOWSHIP COMPONENT TO AUGMENT PROGRAM IMAGE
06/14/1995 - 12/14/2001 FY02: $0 Total: $1,522,879
Prin. Invest.: F S HUMPHRIES, F J FOREMAN
Tech. Officer: GRC/J E BOYD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2193 FLORIDA A&M UNIV 3615
ROBUST FAULT DETECTION AND ISOLATION FOR NASA LAUN CH VEHICLES
09/01/1998 - 08/31/2002 FY02: $0 Total: $234,476
Prin. Invest.: E G COLLINS
Tech. Officer: GRC/T GUO
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2786 FLORIDA A&M UNIV 3616
A GRADUATE FELLOWSHIP COMPONENT TO AUGMENT PROGRAM IMAGE
05/31/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: A F VAUGHN-COOKE
Tech. Officer: GRC/D JOHSON
CASE Category: 49 – ENGINEERING, OTHER

NAG 4 164 FLORIDA A&M UNIV 3617
EVOLUATIONARY ALGORITHMS
02/26/1999 - 02/26/2003 FY02: $0 Total: $225,000
Prin. Invest.: M ABDUDLLAH, F HAMILTON
Tech. Officer: DFRC/K GUPTA, DFRC/E COX
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9119 FLORIDA A&M UNIV 3618
LINKAGES 2001 PROJECT
02/24/2000 - 01/31/2001 FY02: $0 Total: $500,000
Prin. Invest.: J H AMMONS
Tech. Officer: GSFC/J MALONE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9420 FLORIDA A&M UNIV 3619
ELECTROCHEMICAL CAPACITORS & HYBRID POWER SOURCES FOR SPACE APPLICATIONS
04/11/2000 - 04/30/2003 FY02: $0 Total: $197,835
Prin. Invest.: J ZHENG
Tech. Officer: GSFC/J MALONE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10148 FLORIDA A&M UNIV 3620
COLLISION PROCESSES IN ASTROPHYSICAL PLASMAS
12/08/2000 - 12/31/2003 FY02: $0 Total: $175,427
Prin. Invest.: C A WEATHERFORD
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 5 10726 FLORIDA A&M UNIV 3621
LINKAGES 2001 PROJECT
04/09/2001 - 03/31/2002 FY02: $250,000 Total: $500,000
Prin. Invest.: B KELLY
Tech. Officer: GSFC/J MALONE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 238 FLORIDA A&M UNIV 3622
MINORITY ACCESS TO GRAD ENGR PROGRAM
12/17/1997 - 04/30/2002 FY02: $0 Total: $5,733,056
Prin. Invest.: F S HUMPHRIES
Tech. Officer: KSC/E SMITH
CASE Category: 49 – ENGINEERING, OTHER

NAG10 242 FLORIDA A&M UNIV 3623
MAPSTAP
05/13/1998 - 12/31/2002 FY02: $0 Total: $599,997
Prin. Invest.: B SAMUELS
Tech. Officer: KSC/E JOHNSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 248 FLORIDA A&M UNIV 3624
PRODIGY 2000
09/23/1998 - 09/22/2001 FY02: $0 Total: $300,000
Prin. Invest.: B MCCUNE
Tech. Officer: KSC/R MCKINNEY
CASE Category: 62 – PSYCHOLOGY SOCIAL ASPECTS

NAG10 264 FLORIDA A&M UNIV 3625
ELECTROSTATIC CHARGING, PRECIPITATION, ADHESION, A ND DISSIPATION IN THE MARTIAN ATMOSPHERE
08/01/1999 - 10/31/2001 FY02: $0 Total: $192,574
Prin. Invest.: F B GROSS
Tech. Officer: KSC/R LEE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG10 267 FLORIDA A&M UNIV 3626
PROJECT DISCOVER II SBI/NASA INTERNSHIPS PROJECT DISCOVER II SBI/NASA INTERNSHIPS
09/09/1999 - 09/30/2002 FY02: $0 Total: $443,689
Prin. Invest.: S C MOBLEY
Tech. Officer: KSC/R J MCKINNEY
CASE Category: 79 – SOCIAL SCIENCE, OTHER

NAG10 289 FLORIDA A&M UNIV 3627
WIRELESS SPREAD-SPECTRUM INTERCOMMUNICATION SYSTEM WIRELESS SPREAD-SPECTRUM INTERCOMMUNICATION SYSTE
07/11/2000 - 06/07/2003 FY02: $0 Total: $193,581
Prin. Invest.: B A HARVEY
Tech. Officer: KSC/F MCKENZIE
CASE Category: 45 – ELECTRICAL ENGR

NAG10 314 FLORIDA A&M UNIV 3628
INCREASING MINORITY ACCESS TO GRADUATE ENGINEERING PROGRAM (IMAGE)
03/29/2002 - 02/12/2003 FY02: $0 Total: $0
Prin. Invest.: H LEWIS III
Tech. Officer: KSC/D ABRAHAM
CASE Category: 49 – ENGINEERING, OTHER

NCC 1 252 FLORIDA A&M UNIV 3629
CENTER FOR NONLINEAR AND NONEQUILIBRIUM AEROSCIENCES (CENNAS)
04/23/1997 - 12/31/2002 FY02: $0 Total: $5,200,000
Prin. Invest.: J JOHNSON
Tech. Officer: LARC/W SELLERS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 956 FLORIDA A&M UNIV 3630
A COPPERATIVE RESEARCH PROGRAM IN AERONAUTICAL INF ORMATION SCIENCE TECHNOLOGIES
07/01/1996 - 02/28/2001 FY02: $0 Total: $1,316,338
Prin. Invest.: A KROTHAPALLI, L LOURENCO, S WALKER
Tech. Officer: ARC/J C ROSS, ARC/P T SODERMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1005 **FLORIDA A&M UNIV** **3631**
DEVELOPMENT OF A TRANSDERMAL DELIVERY DEVICE FOR M ELATONIN IN VIVO
08/25/1997 - 07/31/2003 FY02: $0 Total: $276,406
Prin. Invest.: M S SACHDEVA
Tech. Officer: ARC/C M WINGET, ARC/G S LEE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 1221 **FLORIDA A&M UNIV** **3632**
A COOPERATIVE RESEARCH PROGRAM IN AERONAUTICAL INF ORMATION SCIENCE TECHNOLOGIES
03/22/2001 - 03/14/2003 FY02: $0 Total: $349,927
Prin. Invest.: A KROTHAPALLI, C SHIH, L LOURENCO
Tech. Officer: ARC/G K YAMAUCHI, ARC/J C ROSS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 4 52430 **FLORIDA A&M UNIV** **3633**
DETERMINING MECHANICAL PROPERTIES OF NANO MATERIAL S USING NANOINDENTATION AND A FINITE ELEMENT METH
06/19/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M M ABDULLAH
Tech. Officer: DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01079 **FLORIDA ATLANTIC UNIV** **3634**
MODIFIED AND ADVANCED FORMULATIONS FOR UNCERTAINTY ANALYSIS IN STRUCTURES ANALYSIS
06/01/2001 - 01/31/2002 FY02: $0 Total: $33,095
Prin. Invest.: I ELISHAKOFF
Tech. Officer: LARC/W J STROUD, LARC/I S RAJU
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2023 **FLORIDA ATLANTIC UNIV** **3635**
SPACE COMMUNICATIONS TECHNOLOGY CENTER
03/12/1997 - 06/30/2002 FY02: $0 Total: $1,404,999
Prin. Invest.: W E GLENN, H HELMKEN
Tech. Officer: GRC/T P BIZON
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2702 **FLORIDA ATLANTIC UNIV** **3636**
NOISE GENERATED BY FANS WITH SUPERSONIC TIP SPEEDS NOISE GENERATED BY FANS WITH SUPERSONIC TIP SPEED
02/15/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: S GLEGG
Tech. Officer: GRC/A ENVIA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12129 **FLORIDA ATLANTIC UNIV** **3637**
ACHIEVING HIGH SOFTWARE RELIABILITY.
04/30/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: T KHOSHGOFTARR
Tech. Officer: GSFC/K MCGILL
CASE Category: 22 – COMPUTER SCIENCE

NAS 3 26956 **FLORIDA ATLANTIC UNIV** **3638**
ACTS PROPAGATION EXPERIMENTS
06/21/1993 - 02/28/2003 FY02: $0 Total: $406,278
Prin. Invest.: H F HELMKEN
Tech. Officer: GRC/R J GUNDERMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 8 230 **FLORIDA ATLANTIC UNIV** **3639**
PROMOTE COMMERCIALLY FUNDING R & D AND TECH DEV IN THE FIELD OF SPACE COMMUNICATIONS
11/01/2001 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: W E GLENN
Tech. Officer: MSFC/S LAMBING
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2260 **FLORIDA INST OF TECHNOLOGY** **3640**
MODELING COMPOSITES LAMINATE CRUSHING FOR CRASH ANALYSIS
01/12/2000 - 12/15/2001 FY02: $0 Total: $51,066
Prin. Invest.: D C FLEMING
Tech. Officer: LARC/L E JONES
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1508 **FLORIDA INST OF TECHNOLOGY** **3641**
GRAVITATIONAL IMPACTS ON THE CELL CYCLE
07/23/2001 - 07/31/2003 FY02: $0 Total: $82,568
Prin. Invest.: C E HELMSTETTER
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10888 **FLORIDA INST OF TECHNOLOGY** **3642**
COSMIC RAY INTERSTELLAR PROPAGATION (ATP 2000)
05/09/2001 - 05/14/2004 FY02: $0 Total: $63,292
Prin. Invest.: M ZHANG
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11036 **FLORIDA INST OF TECHNOLOGY** **3643**
STUDIES OF COSMIC RAY MODULATION & ENERGETIC PARTICLE PROPAGATION IN TIME-DEPENDENT 3-DIMENSION
06/12/2001 - 07/31/2004 FY02: $0 Total: $101,160
Prin. Invest.: M ZHANG
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11921 **FLORIDA INST OF TECHNOLOGY** **3644**
MEASURING SOLAR CYCLE VARIATIONS OF HE3 IN ENERGET IC PARTICLE EVENTS
04/09/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: J R DWYER
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 8 1582 **FLORIDA INST OF TECHNOLOGY** **3645**
"NEW CELL CULTURE TECHNOLOGY"
03/01/1999 - 11/30/2002 FY02: $0 Total: $351,450
Prin. Invest.: C HELMSTALTER
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 50257 **FLORIDA INST OF TECHNOLOGY** **3646**
TECHNOLOGIES FOR ASSESSING THE EFFECTS OF LONG-TER M SPACE HABITATION ON CELLULAR AGING_ STUDENT: K
07/09/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: C HELMSTETTER
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50290 FLORIDA INST OF TECHNOLOGY 3647
THE LUMINOSITY FUNCTION & THE CHROMOSPHERIC ACTIVI TY-AGE RELATION FOR M DWARF STARS IN COMMON PROP
06/27/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: T OSWALT
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 247 FLORIDA MEMORIAL COLL 3648
INITIATIVE FOR AFRICAN AMERICAN/UNDER REPRESENTED STUDENTS
08/01/1998 - 11/11/2001 FY02: $0 Total: $527,713
Prin. Invest.: H HUISSO
Tech. Officer: KSC/R MC KINNEY
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 1 2078 FLORIDA STATE UNIV 3649
NOISE SUPPRESSION OF HEATED SUPERSONIC JETS BY WAT ER INJEC-TION
06/16/1998 - 04/30/2001 FY02: $0 Total: $219,422
Prin. Invest.: A KROTHAPALLI, L LOURENCO
Tech. Officer: LARC/M K NORUM, LARC/M K PONTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2127 FLORIDA STATE UNIV 3650
DYNAMICAL FACTORS CONTROLLING OZONE, OH AND AEROSOL LEVELS OVER THE PEM-TROPICS B REGION
01/20/1999 - 12/31/2001 FY02: $0 Total: $203,000
Prin. Invest.: T N KRISHNAURTI
Tech. Officer: LARC/J R RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2145 FLORIDA STATE UNIV 3651
AIRFRAME-JET ENGINE INTREGRATION NOISE
03/30/1999 - 12/31/2002 FY02: $0 Total: $300,000
Prin. Invest.: C K TAM
Tech. Officer: LARC/R R ANTCLIFF
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01031 FLORIDA STATE UNIV 3652
DISCONTINOUS SPECTRAL ELEMENT AEROACOUSTISTIC CODE FOR FAN NOISE RADIATION
02/08/2001 - 11/30/2003 FY02: $0 Total: $53,070
Prin. Invest.: M Y HUSSAINI
Tech. Officer: LARC/F FARASSAT, LARC/R H THOMAS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02022 FLORIDA STATE UNIV 3653
SINGLE WALL CARBON NANOTUBE ALIGNMENT MECHANISMS FOR NON-DESTRUCTIVE EVALUATION
12/17/2001 - 12/16/2002 FY02: $0 Total: $0
Prin. Invest.: S HONG
Tech. Officer: LARC/J D JORDAN
CASE Category: 13 – PHYSICS

NAG 3 1841 FLORIDA STATE UNIV 3654
THERETICAL STUDIES OF LIQUID HELIUM NEAR THE SUPER FLUID TRANSITION
05/01/1996 - 05/15/2002 FY02: $0 Total: $291,000
Prin. Invest.: E MANOUSAKIS
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 1885 FLORIDA STATE UNIV 3655
FLUID PHYSICS IN STOCHASTIC ACCELERATON ENVIRONMEN T
06/17/1996 - 06/16/2001 FY02: $0 Total: $434,901
Prin. Invest.: J VINALS
Tech. Officer: GRC/A CHAIT
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2102 FLORIDA STATE UNIV 3656
NUMERICAL SIMULATION OF SCREECH TONES FROM SUPERSO NIC JETS: PRYSICS & PREDICTIONS
12/24/1997 - 11/30/2001 FY02: $0 Total: $247,500
Prin. Invest.: C K TAM
Tech. Officer: GRC/K Q ZAMAN
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2327 FLORIDA STATE UNIV 3657
ADVANCED COMPUTATIONAL AEROACOUSTICS METHODS FOR F AN NOISE PREDICTIONS
02/07/2000 - 01/11/2003 FY02: $0 Total: $100,000
Prin. Invest.: C TAM
Tech. Officer: GRC/E ENVIA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2445 FLORIDA STATE UNIV 3658
LATTIC-BOLTZMANN TECHNIQUES FOR MULTIPHASE FLOW TRANSPORT IN MICROGRAVITY ENVIRONMENT
05/25/2000 - 05/18/2002 FY02: $0 Total: $132,828
Prin. Invest.: D CHELLA
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 4873 FLORIDA STATE UNIV 3659
USING NASA FULL PHYSICS ADJOINT OF THE GEOS-1 GCM ANALYSIS, SENSITIVITY ANALYSIS AND OPTIMAL SENSOR
07/03/1997 - 05/31/2002 FY02: $0 Total: $323,576
Prin. Invest.: I NAVON
Tech. Officer: GSFC/M HALL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6258 FLORIDA STATE UNIV 3660
AN INTERCOMPARISON OF THE INFLUENCE OF VEGETATION SURFACE-ATMOSPHERE WATER EXCHANGE AND BOUNDARY LAY
08/27/1997 - 07/31/2001 FY02: $0 Total: $350,000
Prin. Invest.: E SMITH
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6665 FLORIDA STATE UNIV 3661
COMBINING SSM/I,/T,/T2 AND GOES MEASUREMENTS FOR A SATELLITE-BASED ATMOSPHERIC WATER BUDGET OF
11/25/1997 - 11/30/2002 FY02: $0 Total: $495,000
Prin. Invest.: H J COOPER
Tech. Officer: GSFC/J C DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7254 FLORIDA STATE UNIV 3662
ANOMALOUS HEAT BUDGETS IN THE INTERIOR PACIFIC OCE AN ON SEASONAL-TO- INTERANNUAL TIMESCALES AND
05/14/1998 - 04/30/2001 FY02: $0 Total: $87,500
Prin. Invest.: J J O'BRIEN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 7302 FLORIDA STATE UNIV 3663
RETRIEVAL OF SURFACE RADIATION FLUXES OVER BOREAS SNOW REGIME FROM GOES 8 IMAGERY FOR APPLICATIONS T
05/04/1998 - 10/31/2000 FY02: $0 Total: $165,402
Prin. Invest.: E A SMITH
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7577 FLORIDA STATE UNIV 3664
"REDUCTION AND ANALYSIS OF LEO SATELLITE MAGNETIC FIELD DATA" (SENH98-0077)
08/04/1998 - 07/31/2001 FY02: $0 Total: $196,000
Prin. Invest.: J C CAIN
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7618 FLORIDA STATE UNIV 3665
ANNUAL MARINE PRIMARY PRODUCTION ALGORITHM DEVELOP MENT AND APPLICATION TO MODIS DATA
09/08/1998 - 07/31/2001 FY02: $0 Total: $156,053
Prin. Invest.: R L IVERSON
Tech. Officer: GSFC/W ESAIAS
CASE Category: 33 – OCEANOGRAPHY

NAG 5 7630 FLORIDA STATE UNIV 3666
ZONAL PROPAGATION OF NONLINEAR OCEANIC ANOMALIES
08/10/1998 - 09/30/2001 FY02: $0 Total: $454,144
Prin. Invest.: W DEWAR
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7718 FLORIDA STATE UNIV 3667
VALIDATION OF TRMM LEVEL-3 PRECIPITATION DATA OVER AFRICA
10/27/1998 - 10/31/2002 FY02: $0 Total: $252,007
Prin. Invest.: S E NICHOLSON
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8284 FLORIDA STATE UNIV 3668
ANALYSIS OF THE CRUSTAL MAGNETIC FIELD OF MARS
02/19/1999 - 06/12/2002 FY02: $0 Total: $128,200
Prin. Invest.: J C CAIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8291 FLORIDA STATE UNIV 3669
THERMODYNAMICS IN LAYERED MODELS
02/25/1999 - 02/28/2002 FY02: $0 Total: $261,628
Prin. Invest.: W WEWAR
Tech. Officer: GSFC/M RIENECKER
CASE Category: 33 – OCEANOGRAPHY

NAG 5 8327 FLORIDA STATE UNIV 3670
ADVANCED DATA ASSIMILATION INTO OCEAN CIRCULATION MODELS DRIVEN BY NSCAT DATA & ENSO IMPACTS NORTH
04/28/1999 - 04/30/2002 FY02: $0 Total: $564,000
Prin. Invest.: J J O'BRIEN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8598 FLORIDA STATE UNIV 3671
THE IMPACT OF VEGETATION CHANGES IN THE SAHEL ON REGIONAL SCALE HYDROLOGY
06/14/1999 - 06/30/2003 FY02: $0 Total: $219,361
Prin. Invest.: S E NICHOLSON
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8647 FLORIDA STATE UNIV 3672
"STUDY OF THE EVOLUTION OF PRECIPITATION AND CLOUD STRUCTURES DURING THE LIFE CYCLE ... TRMM AND IS
07/19/1999 - 07/31/2002 FY02: $0 Total: $94,000
Prin. Invest.: G LIU
Tech. Officer: GSFC/W B ROSSOW
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9410 FLORIDA STATE UNIV 3673
STUDY THE IMPACT OF TOMS OZONE MEASUREMENTS ON MEAOSCALE PREDICTION USING MM5 4D-VAR SYSTEM
04/11/2000 - 04/30/2001 FY02: $0 Total: $46,772
Prin. Invest.: X ZOU
Tech. Officer: GSFC/A J KRUEGER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9662 FLORIDA STATE UNIV 3674
SUPERENSEMBLE FORECASTS OF PRECIPITATION USING TRMM, TMI & PR ALGORITHMS
06/06/2000 - 11/30/2002 FY02: $0 Total: $193,713
Prin. Invest.: T N KRISHNAMURTI
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9845 FLORIDA STATE UNIV 3675
SIBERIAN PERMAFORST: APPLICATIONS TO MARS
08/07/2000 - 07/31/2001 FY02: $0 Total: $40,492
Prin. Invest.: I FRIEDMAN
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9866 FLORIDA STATE UNIV 3676
RETRIEVAL OF SURFACE RADIATION FLUXES OVER BOREAS SNOW REGIME FROM GOES 8 IMAGERY FOR APPLICATIONS T
08/07/2000 - 07/31/2001 FY02: $0 Total: $28,000
Prin. Invest.: E A SMITH
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10001 FLORIDA STATE UNIV 3677
016 OF TRMM FIELD CAMPAIGN DATA FOR VALIDATION-APP LICATION STUDIES WITH LEVEL 2 RAIN PROFILE ALGORI
09/21/2000 - 11/30/2002 FY02: $0 Total: $149,435
Prin. Invest.: H A COOPER
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10860 FLORIDA STATE UNIV 3678
VARIABILITY OF THE WESTERN INDIAN OCEAN & THE GULF OF ADEN
05/02/2001 - 04/30/2004 FY02: $0 Total: $94,007
Prin. Invest.: D NOF
Tech. Officer: GSFC/E LINDSRTOM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11067 FLORIDA STATE UNIV 3679
APPLICATIONS OF TOMS OZONE DATA TO NUMERICAL WEATHER ANALYSIS AND FORECAST
07/09/2001 - 07/14/2004 FY02: $0 Total: $70,000
Prin. Invest.: X ZOU
Tech. Officer: GSFC/P K BHARTA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11889 FLORIDA STATE UNIV 3680
PHYSICAL VALIDATION OF AMSR SNOWFALL RETRIEVAL OVE R OCEAN USING DATA FROM WASKASA BAYEXPERIMENT
04/08/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: G LIU
Tech. Officer: GSFC/R ADLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12097 FLORIDA STATE UNIV 3681
EVALUATION OF OPERATIONAL LONGWAVE RADIATION BUDGE T PARAMETERS USING THE GOES SOUNDERS
04/26/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: P G ELLINGSON
Tech. Officer: GSFC/J C DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12475 FLORIDA STATE UNIV 3682
ANALYSIS OF MARS GLOBAL SURVEYOR MAGNETIC DATA & C ORRELATION WITH ER DATA & GEOPHYSICAL PARAMETE
08/15/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: J C CAIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12487 FLORIDA STATE UNIV 3683
NUMERICAL MODELING OF CROSS-SHELF EXCHANGE PROCESS ES IN THE GULF OF MEXICO
08/26/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J O'BRIEN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1537 FLORIDA STATE UNIV 3684
IMPACT STUDIES OF NEWER DATA SETS (COMEX-3) ON VERY HIGH RESOLUTION GLOBAL FORECASTS
06/05/1998 - 10/30/2002 FY02: $0 Total: $273,035
Prin. Invest.: T N KRISHNAMURTI
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1773 FLORIDA STATE UNIV 3685
PREDICTING DYNAMIC AND STATIC CRITICAL PROPERTIES OF BULK AND CONFINED HELIUM.
04/26/2001 - 04/30/2005 FY02: $0 Total: $67,664
Prin. Invest.: E MANOUSAKIS
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1848 FLORIDA STATE UNIV 3686
ASSIMILATION, ENSEMBLE FORECASTS AND ADAPTIVE STRA TEGIES USING CAMES-4 DATASETS
08/20/2001 - 09/02/2004 FY02: $0 Total: $68,602
Prin. Invest.: T N KRISHNAMURTI
Tech. Officer: MSFC/J E ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1882 FLORIDA STATE UNIV 3687
ASSIMILATION OF AIRS RADIANCE DATA FOR IMPROVING 12-H QPF USING MM5 4D-VAR SYSTEM
08/20/2002 - 09/01/2004 FY02: $0 Total: $0
Prin. Invest.: X ZOU
Tech. Officer: MSFC/B LAPENTA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG13 02011 FLORIDA STATE UNIV 3688
SCATTEROMETER DERVIED OPERATIONAL WINDS, SURFACE PRESSURES, AND RAIN
12/11/2001 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: J J O'BRIEN, M A BOURASSA
Tech. Officer: SSC/R MILLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 02045 FLORIDA STATE UNIV 3689
NOISE REDUCTION RESEARCH EFFORT IN SUPPORT OF QAT
03/08/2002 - 03/10/2004 FY02: $0 Total: $0
Prin. Invest.: C TAM
Tech. Officer: LARC/R H THOMAS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 412 FLORIDA STATE UNIV 3690
NUMERICAL SIMULATIONS AND DIAGNOSTIC STUDIES RELAT ING METEOROLOGY TO ATMOSPHERIC CHEMISTYR DURING
09/18/2000 - 08/31/2003 FY02: $0 Total: $141,523
Prin. Invest.: H E FUELBERG
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 01026 FLORIDA STATE UNIV 3691
AN INVESTIGATION OF THE FLOW PHYSICS OF ACOUSTIC LINERS BY DIRECT NUMERICAL SIMULATION
01/31/2001 - 12/31/2003 FY02: $0 Total: $60,000
Prin. Invest.: C K TAM
Tech. Officer: LARC/W R WATSON, LARC/M G JONES
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02025 FLORIDA STATE UNIV 3692
BAYSIAN INFERENCE AND UNCERTAINTY QUANTIFICATION
04/22/2002 - 04/21/2004 FY02: $0 Total: $0
Prin. Invest.: M Y HUSSAINI
Tech. Officer: LARC/T A ZANG
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1349 FLORIDA STATE UNIV 3693
UNCERTAINTY QUANTIFICATION FOR LOW FIDELITY AERO/A ERTHERMO MODELS
06/21/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M Y HUSSAINI
Tech. Officer: ARC/M E LIVINGSTON, ARC/D MATHIAS
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 292 FLORIDA STATE UNIV 3694
HIGH RESOLUTION CARBON EXCHANGE OVER LARGE-SCALE A MAZONIA BASED ON MODELING AND GOES SATELLITE
06/25/1998 - 12/31/2002 FY02: $0 Total: $379,640
Prin. Invest.: E A SMITH
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 8 158 FLORIDA STATE UNIV 3695
SOUTHEAST REGIONAL EARTH SCIENCE APPLICATIONS CENTER
09/25/1998 - 09/24/2003 FY02: $0 Total: $90,000
Prin. Invest.: J J O'BRIEN
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 5 30158 FLORIDA STATE UNIV 3696
DYNAMICS AND VARIABILITY OF THE NORTH HAWAIIAN RID GE CURRENT FROM SATELLITE ALTIMETRY AND AN
08/28/1998 - 12/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: J J OBRIEN, LEONARDI
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30164 FLORIDA STATE UNIV 3697
NONLINEAR EXCHANGE PROCESSES BETWEEN THE PACIFIC A ND THE INDIAN OCEAN
08/31/1998 - 08/31/2002 FY02: $0 Total: $58,000
Prin. Invest.: D NOF, H SIMMONS
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30186 FLORIDA STATE UNIV 3698
THE WATER BALANCE OF EASTERN AFRICAN GREAT LAKES STUDENT: XANGANG YIN
08/19/1999 - 08/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: S E NICHOLSON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30370 FLORIDA STATE UNIV 3699
DEVELOPMENT OF SCATTEROMETER-DERIVED RESEARCH-QUAL ITY SURFACE PRESSURES STUDENT: KYLE HILBURN
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: J O'BRIEN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30454 FLORIDA STATE UNIV 3700
EVALUATING SOURCES OF THE GEOMAGNETIC FIELD BY GLO BAL MODELING: CORE, CRUST, IONESPHERE AND OCEAN
08/20/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J C CAIN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 282 MIAMI-DADE COMM COLL 3701
HOMESTEAD BUSINESS INCUBATOR HOMESTEAD BUSINESS INCUBATOR
05/18/2000 - 07/31/2003 FY02: $0 Total: $915,000
Prin. Invest.: E J PADRON
Tech. Officer: KSC/D CULBERTSON
CASE Category: 79 – SOCIAL SCIENCE, OTHER

NAG 5 12298 SAINT THOMAS UNIV 3702
COMPUTER EQUIPMENT FOR SCIENCE AND TECHNOLOGY
06/28/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: A VYNNE
Tech. Officer: HQ/M MATEU
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 2 1465 THE UNIV OF CENTRAL FLORIDA 3703
VERIFICATION TOOLS FOR KSC LAUNCH CONTROL SOFTWARE
03/22/2001 - 07/31/2003 FY02: $0 Total: $50,000
Prin. Invest.: G H WALTON
Tech. Officer: ARC/J PENIX
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2691 THE UNIV OF CENTRAL FLORIDA 3704
GLENN-HT/BEM CONJUGATE HEAT TRANSFER SOLVER FOR LA RGE-SCALE TURBOMACHINERY MODELS
01/11/2002 - 10/01/2004 FY02: $0 Total: $0
Prin. Invest.: D J KASSAB
Tech. Officer: GRC/J D HEIDMANN
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2751 THE UNIV OF CENTRAL FLORIDA 3705
HYDROGEN RESEARCH FOR FLORIDA UNIVERSITIES HYDROGEN RESEARCH FOR FLORIDA UNIVERSITIES
03/25/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: D L BLOCK
Tech. Officer: GRC/D J CHATO
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 8265 THE UNIV OF CENTRAL FLORIDA 3706
INVESTIGATIONS OF MARTIAN IMPACT CRATER MORPHOLOGI ES AND MORPHOMETRIES
02/23/1999 - 04/30/2002 FY02: $0 Total: $141,700
Prin. Invest.: N G BARLOW
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9548 THE UNIV OF CENTRAL FLORIDA 3707
TRMM VALIDATION: IMPROVED ZR RELATIONSHIP FROM TEFLUN-B & TROPICAL CYCLONE WINDS & PRECIPITATION
05/30/2000 - 05/31/2003 FY02: $0 Total: $193,667
Prin. Invest.: W JONES
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10308 THE UNIV OF CENTRAL FLORIDA 3708
ANTENNA-COUPLED INFRARED SENSORS- PROPOSAL #215
02/02/2001 - 01/31/2004 FY02: $0 Total: $179,596
Prin. Invest.: G D BOREMAN
Tech. Officer: GSFC/T STEVENSON
CASE Category: 13 – PHYSICS

NAG 5 10730 THE UNIV OF CENTRAL FLORIDA 3709
FOURIER TRANSFORM IMAGING SPECTROMETER WITH HIGH- THROUGHPUT AND NO MOVING PARTS
04/10/2001 - 04/14/2003 FY02: $0 Total: $120,000
Prin. Invest.: R G SELLAR
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 12263 THE UNIV OF CENTRAL FLORIDA 3710
CIRRUS REGIONAL STUDY OF TROPICAL ANVILS AND CIRRU S LAYERS - FLORIDA AREA CIRRUS EXPERIMENT.
06/10/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: T KASPARIS
Tech. Officer: GSFC/A J NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG10 258 THE UNIV OF CENTRAL FLORIDA 3711
NASA/UCF SPACE SCHOLARS PROGRAM
05/01/1999 - 06/30/2001 FY02: $0 Total: $75,937
Prin. Invest.: J SMITH
Tech. Officer: KSC/R MCKINNEY
CASE Category: 49 – ENGINEERING, OTHER

NAG10 276 THE UNIV OF CENTRAL FLORIDA 3712
DEVELOPMENT OF ADVANCE LIFE SUPPORT AUTOMATED REMO TE MANIPULATOR END-EFFECTOR (ALSARM) (PHASE II)
02/02/2000 - 11/15/2001 FY02: $0 Total: $41,259
Prin. Invest.: D W JOHNSON
Tech. Officer: KSC/C D QUINCY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG10 278 THE UNIV OF CENTRAL FLORIDA 3713
FUNGAL DIVERSITY IN COMPOST STUDIED USING BOTH TRA DITIONAL PLATTING AND MOLECULAR APPROACHES
02/14/2000 - 10/09/2001 FY02: $0 Total: $110,000
Prin. Invest.: J F WEISHAMPEL
Tech. Officer: KSC/C QUINCY
CASE Category: 51 – BIOLOGY (EXCLUDINGENVIR)

NAG10 280 THE UNIV OF CENTRAL FLORIDA 3714
2000 NASA/ASEE SUMMER FACULTY FELLOWSHIP RESEARCH PROGRAM
04/10/2000 - 03/31/2002 FY02: $0 Total: $357,000
Prin. Invest.: D HOSIER
Tech. Officer: KSC/J P GORDON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 290 THE UNIV OF CENTRAL FLORIDA 3715
ASSESSMENT OF TECHNOLOGIES FOR VISUAL GAS LEAK DET ECTION
07/30/2000 - 10/31/2001 FY02: $0 Total: $65,043
Prin. Invest.: R SELLAR
Tech. Officer: KSC/C DAVIS
CASE Category: 13 – PHYSICS

NAG10 296 THE UNIV OF CENTRAL FLORIDA 3716
INSTALIZING KENNEDY SPACE CENTER'S STRATEGI C LEARNING PROCESS
03/30/2001 - 12/31/2002 FY02: $0 Total: $262,000
Prin. Invest.: T KOTNOUR
Tech. Officer: KSC/J LYONS
CASE Category: 49 – ENGINEERING, OTHER

NAG10 299 THE UNIV OF CENTRAL FLORIDA 3717
NASA/ASEE SUMMER FACULTY FELLOWSHIP RESEARCH PROGR AM
05/16/2001 - 12/31/2002 FY02: $0 Total: $346,141
Prin. Invest.: R HOSLER
Tech. Officer: KSC/C BLACK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 301 THE UNIV OF CENTRAL FLORIDA 3718
ULTRASOUND ENHANCEMENT OF A PERMEABLE REACTIVE BAR RIER UNDERGOING ACCELERATE AGING
06/15/2001 - 12/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: D R REINHART
Tech. Officer: KSC/J W QUINN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG10 306 THE UNIV OF CENTRAL FLORIDA 3719
INTELLIGENT TEXT RETRIEVAL AND KNOWLEDGE ACQUISITI ON FROM TEXTS FOR NASA APPLICATIONS: PREPROCESSIN
09/07/2001 - 03/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: F GOMEZ
Tech. Officer: KSC/C G STEVENSON
CASE Category: 49 – ENGINEERING, OTHER

NAG10 312 THE UNIV OF CENTRAL FLORIDA 3720
REDUCTIVE EMULSIONS FOR REMEDIATION OF GROUNDWATER CONTAMINATED WITH HALOGENATED HYDROCARBONS
04/26/2002 - 02/16/2003 FY02: $0 Total: $0
Prin. Invest.: C GEIGER
Tech. Officer: KSC/J W QUINN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG10 313 THE UNIV OF CENTRAL FLORIDA 3721
RAPID DECHLORINATION OF POLYCHLORINATED BIPHENYLS IN SOILS BY PD/FE BIMETALLIC EMULSIONS
05/02/2002 - 02/16/2003 FY02: $0 Total: $0
Prin. Invest.: D L GEIGER
Tech. Officer: KSC/J W QUINN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG10 315 THE UNIV OF CENTRAL FLORIDA 3722
NASA/ASEE SUMMER FACULTY FELLOWSHIP RESEARCH PROGR AM
05/02/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: D KOTNOUR
Tech. Officer: KSC/C D BLACK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 318 THE UNIV OF CENTRAL FLORIDA 3723
RETRIEVING NASA PROBLEM REPORTS WITH NATURAL LANGU AGE PROCESSING
07/10/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: D GOMEZ
Tech. Officer: KSC/C STEVENSON
CASE Category: 22 – COMPUTER SCIENCE

NAG10 319 THE UNIV OF CENTRAL FLORIDA 3724
AUTOMATIC PARTICLE COUNTING USING AN ACOUSTIC TRAN SDUCER
07/02/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: D CHEN
Tech. Officer: KSC/G HADDARD
CASE Category: 46 – MECHANICAL ENGR

NAG10 323 THE UNIV OF CENTRAL FLORIDA 3725
A SHAPE MEMORY ALLOY THERMAL CONDITION SWITCH FOR USE AT CRYOGENIC TEMPERATURES
09/06/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: R NAIDYANATHAN
Tech. Officer: KSC/B NOTARDONATO
CASE Category: 46 – MECHANICAL ENGR

NCC 3 712 THE UNIV OF CENTRAL FLORIDA 3726
ULTRA-LIGHT-WEIGHT, RADATION-RESISTANT, THIN-FILM SOLAR CELLS FOR SPACE ELECTRICPOWER
06/10/1999 - 12/31/2002 FY02: $0 Total: $160,000
Prin. Invest.: N G DHERE
Tech. Officer: GRC/A F HEPP
CASE Category: 13 – PHYSICS

NCC10 35 THE UNIV OF CENTRAL FLORIDA 3727
NASA NOX3; PILOT SCALE EVALUATION OF NEW TECHNOLOG Y FOR NOX CONTROL
02/22/2000 - 12/31/2001 FY02: $0 Total: $100,000
Prin. Invest.: D C COOPER
Tech. Officer: KSC/M COLLINS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40069 THE UNIV OF CENTRAL FLORIDA 3728
FLORIDA/NATIONAL SPACE GRANT COLL & FELLOWSHIP PROGRAM
04/28/2000 - 04/29/2001 FY02: $0 Total: $475,000
Prin. Invest.: S DURRANCE
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40071 THE UNIV OF CENTRAL FLORIDA 3729
FLORIDA/NATIONAL SPACE GRANT COLL & FELLOWSHIP PROGRAM
01/05/2001 - 08/31/2003 FY02: $0 Total: $85,000
Prin. Invest.: S DURRANCE
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40107 THE UNIV OF CENTRAL FLORIDA 3730
FLORIDA SPACE GRANT CONSORTIUM
03/02/2001 - 02/28/2005 FY02: $0 Total: $486,000
Prin. Invest.: S DURRANCE
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT10 52625 THE UNIV OF CENTRAL FLORIDA 3731
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RESEARCH PROGRAM
08/10/2000 - 06/30/2001 FY02: -$1,302 Total: $20,698
Prin. Invest.: D G KOTNOUR
Tech. Officer: KSC/L GOSPER
CASE Category: 49 – ENGINEERING, OTHER

NGT10 52627 THE UNIV OF CENTRAL FLORIDA 3732
INSTABILITIES IN MAGNETIC FLUIDS IN TERRESTRIAL AN D MICROGRAVITY ENVIRONMENTS
07/24/2000 - 06/13/2002 FY02: $0 Total: $44,000
Prin. Invest.: D LUO
Tech. Officer: KSC/R YOUGQUIST
CASE Category: 13 – PHYSICS

NGT10 52630 THE UNIV OF CENTRAL FLORIDA 3733
GSRP: STRATEGIC IMPLEMENTATION THROUGH PROCESS AL IGNMENT
08/02/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: NOT AVAILABLE
Tech. Officer: KSC/L GOSPER
CASE Category: 49 – ENGINEERING, OTHER

NGT10 52634 THE UNIV OF CENTRAL FLORIDA 3734
CHARACTERIZATION OF NEW PIEZOELECTRIC MATERIALS FO R SURFACE ACOUSTIC WAVE DEVICE
08/28/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: D C MAJOCHA
Tech. Officer: KSC/C D BLACK
CASE Category: 13 – PHYSICS

NAG 1 2092 UNIV OF FLORIDA 3735
DEV OF AN INNOVATIVE ALGORITHM FOR AERODYNAMICS- STRUCTURE INTERACTION USING LATTICE BOLTZMANN METH
07/31/1998 - 07/14/2001 FY02: $0 Total: $297,500
Prin. Invest.: R MEI, W SHYY, L LUO
Tech. Officer: LARC/D H RUDY, LARC/R T BIEDRON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2133 UNIV OF FLORIDA 3736
MEMS-BASED ACOUSTIC ARRAY TECHNOLOGY MY 1/3
02/11/1999 - 12/31/2002 FY02: $0 Total: $406,720
Prin. Invest.: M SHEPLAK
Tech. Officer: LARC/R R ANTELIFF
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2177 UNIV OF FLORIDA 3737
VARIABLE COMPLEXITY OPTIMIZATION OF COMPOSITE STRUCTURES
04/02/1999 - 01/27/2002 FY02: $0 Total: $367,163
Prin. Invest.: R T HAFTKA
Tech. Officer: LARC/J H STARNES, JR.
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2198 UNIV OF FLORIDA 3738
REDUCED ORDER MODELS VIA MULTIRESOLUTION ANALYSIS FOR CONTROL OF FLOW
05/19/1999 - 02/18/2002 FY02: $0 Total: $157,810
Prin. Invest.: A J KURDILA
Tech. Officer: LARC/W A SILVA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2249 UNIV OF FLORIDA 3739
THE DEVELOPMENT OF DESIGN TOOLS FOR FLOW-CONTROL ACTUATORS
12/21/1999 - 01/02/2003 FY02: $0 Total: $122,315
Prin. Invest.: L N CATTAFESTA, A J KURDILA
Tech. Officer: LARC/S A GORTON, LARC/R D JOSLIN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2261 UNIV OF FLORIDA 3740
ADVANCED TECHNOLOGY DEVELOPMENT FOR ACTIVE ACOUSTIC LINERS
01/21/2000 - 10/31/2000 FY02: $0 Total: $102,393
Prin. Invest.: M SHEPLAK
Tech. Officer: LARC/M G JONES, LARC/T L PARROTT
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 01013 UNIV OF FLORIDA 3741
ELECTROMECHANICAL ACOUSTIC LINER TECHNOLOGY
02/07/2001 - 12/31/2003 FY02: $0 Total: $80,000
Prin. Invest.: L N SHEPLAK, L N CATTAFESTA III
Tech. Officer: LARC/M G JONES, LARC/T L PARROT
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 01024 UNIV OF FLORIDA 3742
COMPUTATIONAL MODELING & ANALYSIS SYNTHETIC JETS
03/09/2001 - 03/31/2004 FY02: $0 Total: $45,000
Prin. Invest.: R MITTAL, L N CATTAFESTA III
Tech. Officer: LARC/S A GORTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01088 UNIV OF FLORIDA 3743
ANALYSIS METHODS FOR FUNCTIONALLY GRADED MATERIALS AND STRUCTURES
06/14/2001 - 12/31/2001 FY02: $0 Total: $30,000
Prin. Invest.: B V SANKAR
Tech. Officer: LARC/D R AMBUR
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01098 UNIV OF FLORIDA 3744
INTEGRATED SHEAR STRESS/TEMPERTURE MICROMACHINED SENSORS
06/14/2001 - 10/31/2001 FY02: $0 Total: $52,091
Prin. Invest.: M SHEPLAK, T NISHIDA, L N CATTAFESTA, III
Tech. Officer: LARC/S K KAHNG
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 02042 UNIV OF FLORIDA 3745
DESIGN OPTIMIZATION OF COMPOSITE STRUCTURES UNDER UNCERTAINTY
01/28/2002 - 01/27/2003 FY02: $0 Total: $0
Prin. Invest.: R T HAFTKA
Tech. Officer: LARC/J H STARNES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02067 UNIV OF FLORIDA 3746
COMBINED THERMAL AND STRUCTURAL OPTIMIZATION OF FUNCTIONALLY GRADED TILE
03/08/2002 - 03/07/2003 FY02: $0 Total: $0
Prin. Invest.: R T HAFTKA, B V SANKAR
Tech. Officer: LARC/M L BLOSSER
CASE Category: 46 – MECHANICAL ENGR

NAG 1 02068 UNIV OF FLORIDA 3747
IDENTIFICATION AND CONTROL OF AIRCRAFTS USING MULTIPLE MODELS AND ADAPTIVE INVERSE CONTROL
03/14/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: J C PRINCIPE
Tech. Officer: LARC/M A MOTTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02104 UNIV OF FLORIDA 3748
DURABILITY OF MULTIFUNCTIONAL FOAMS AND THEIR COMPONENTS
07/01/2002 - 06/30/2004 FY02: $0 Total: $0
Prin. Invest.: B V SANKAR
Tech. Officer: LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1179 UNIV OF FLORIDA 3749
DESIGN SPACE EXPLORATION FOR MDO ON A TERAFLOP COM PUTER
02/26/1998 - 01/31/2001 FY02: -$1,792 Total: $102,548
Prin. Invest.: R T HAITKA
Tech. Officer: ARC/G H KLOPTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2341 UNIV OF FLORIDA 3750
SHEET FLOWS, AVALANCHES, AND DUNE EVOLUTION ON EAR TH AND MARS
03/01/2000 - 11/30/2003 FY02: $0 Total: $22,860
Prin. Invest.: D M HANES
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2382 UNIV OF FLORIDA 3751
MICROGRAVITY DRIVEN INSTABILITIES IN GAS-FLUIDIZED BEDS
04/05/2000 - 11/30/2003 FY02: $0 Total: $77,987
Prin. Invest.: A L LADD
Tech. Officer: GRC/B J MOTIL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2415 UNIV OF FLORIDA 3752
SEPARATION OF SPECIES BY OSCILLATORY FLOW SEPARATION OF SPECIES BY OSCILLATORY FLOW
06/07/2000 - 11/30/2003 FY02: $0 Total: $130,250
Prin. Invest.: D NARAYANAN
Tech. Officer: GRC/F P CHIARAMONTE III
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2553 UNIV OF FLORIDA 3753
SUPERSONIC INLETS FOR PULSE DETONATION ENGINES
03/15/2001 - 01/01/2004 FY02: $0 Total: $50,444
Prin. Invest.: C SEGAL
Tech. Officer: GRC/R FERNANDEZ
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2630 UNIV OF FLORIDA 3754
WEIGHT OPTIMIZATION OF ACTIVE THERMAL MANAGEMENT U SING A NOVEL HEAT PUMP
06/13/2001 - 05/31/2003 FY02: $0 Total: $58,333
Prin. Invest.: D E LEAR
Tech. Officer: GRC/E L GOLLIHER
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2750 UNIV OF FLORIDA 3755
HYDROGEN RESEARCH AND EDUCATION HYDROGEN RESEARCH AND EDUCATION
03/25/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: D GOSWAMI
Tech. Officer: GRC/D J CHATO
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3772 UNIV OF FLORIDA 3756
HUMAN DIMENSIONS OF DEFORESTATION & REGROWTH IN TH TEGRATING DATA FROM SATELLITES, DEMOGRAPHIC CENSU
03/11/1997 - 02/28/2001 FY02: $0 Total: $536,368
Prin. Invest.: D WOOD
Tech. Officer: GSFC/N MAYNARD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4531 UNIV OF FLORIDA 3757
DYNAMICS OF SOLAR SYSTYEM DUST
05/08/1997 - 02/28/2002 FY02: $0 Total: $419,444
Prin. Invest.: D F DERMOTT
Tech. Officer: HQ/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6378 UNIV OF FLORIDA 3758
OPTICAL PROPERTIES OF IRREGULAR DUST PARTICLES: EX PERIMENT AND THEORY
10/08/1997 - 10/31/2002 FY02: $0 Total: $261,944
Prin. Invest.: D GUSTAFSON
Tech. Officer: GSFC/S HOWARD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8522 UNIV OF FLORIDA 3759
CHEMICAL ABUNDANCES AND EVOLUTION IN QUASARS AND ACTIVE GALACTIC NUCLEI LTSA
05/12/1999 - 05/14/2002 FY02: $0 Total: $205,000
Prin. Invest.: F W HAMANN
Tech. Officer: GSFC/R K OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8944 **UNIV OF FLORIDA** **3760**
COMPLEX SILICATE GRAINS WITH SUBLIMATING MANTLES: A SYSTEMATIC LABORATORY STUDY OF OPTICAL PROPERTIE
01/13/2000 - 01/14/2003 FY02: $0 Total: $133,769
Prin. Invest.: L KOLOKOLOVA
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9280 **UNIV OF FLORIDA** **3761**
A GLOBAL, MULTI-WAVEBAND MODEL OF THE ZODIACAL CLOUD (ADP 99)
03/21/2000 - 03/31/2003 FY02: $0 Total: $86,446
Prin. Invest.: K GROGAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9331 **UNIV OF FLORIDA** **3762**
LAND-USE & LAND-COVER CHANGE: DECADAL-SCALE DYNA MICS OF LAND OWNERSHIP LAND MANAGEMENT & CARBON
03/28/2000 - 04/30/2003 FY02: $0 Total: $196,662
Prin. Invest.: M W BINFORD
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10567 **UNIV OF FLORIDA** **3763**
CHARACTERIZATION AND SIMULATION OF REMOTELY SENSED SOIL MOISTURE FOR RAINFALL-RUNOFF MODELING
03/12/2001 - 03/14/2004 FY02: $0 Total: $78,853
Prin. Invest.: J JACOBS
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10670 **UNIV OF FLORIDA** **3764**
MOLTEN MORPHOLOGIES & NON-EQUILIBRIUM MINERAL COMP OSITIONS GENERATED BY A POLYMER-INDUCE LIQUID PRE
03/29/2001 - 04/30/2004 FY02: $0 Total: $100,000
Prin. Invest.: L B GOWER
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11635 **UNIV OF FLORIDA** **3765**
A MULTIWAVELENGTH STUDY OF LBCGS FROM Z=1 TO Z=0 (LTSA 2001)
01/29/2002 - 01/31/2007 FY02: $0 Total: $0
Prin. Invest.: R GUZMAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11643 **UNIV OF FLORIDA** **3766**
ORIGINS AND DYNAMICS OF INTERPLANETARY DUST PARTIC LES
01/23/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: S F DERMOTT
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12565 **UNIV OF FLORIDA** **3767**
THE RESPONSE OF SOIL CARBON TO PERMAFROST MELTING IN HIGH LATITUDE ECOSYSTEMS
09/12/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: E SCHUUR
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1251 **UNIV OF FLORIDA** **3768**
R/S ″ CONFINEMENT AND PROPULSION CHARACTERISTICS OF THE GASDYNAMIC MIRROR FUSION ROCKET″
12/23/1996 - 12/31/2002 FY02: $0 Total: $419,878
Prin. Invest.: S ANGHAIE
Tech. Officer: MSFC/M J VANDYKE
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1673 **UNIV OF FLORIDA** **3769**
MORPHOLOGICAL STABILITY OF FACETED INTERFACES
05/16/2000 - 11/30/2003 FY02: $0 Total: $130,500
Prin. Invest.: R ABBASCHIAM
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1675 **UNIV OF FLORIDA** **3770**
THE FEATURES OF SELF-ASSEMBLING ORGANIC BILAYERS IMPORTANT TO THE FORMATION OF INORGANIC MATERIALS.
05/11/2000 - 11/30/2003 FY02: $0 Total: $125,500
Prin. Invest.: D TALHAM
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1679 **UNIV OF FLORIDA** **3771**
AN ELETROCHEMICAL METHOD TO VISUALIZE FLOW IN LIQUID METALS
04/25/2000 - 11/30/2003 FY02: $0 Total: $149,500
Prin. Invest.: T J ANDERSON
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1729 **UNIV OF FLORIDA** **3772**
DEVELOPMENT AND APPLICATION OF OPTIMIZATION TECHNIQUES FOR ROCKET ENGINE COMPONENT DESIGN
06/16/2000 - 05/31/2001 FY02: $0 Total: $50,000
Prin. Invest.: W SHYY
Tech. Officer: MSFC/L W GRIFFIN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 8 1791 **UNIV OF FLORIDA** **3773**
RESEARCH ENTITLED, ″DEV. OF OPTIMIZATION STRATEGIE FOR FULL-FLOW STAGED COMBUSTION INJECTORS
03/15/2001 - 03/14/2005 FY02: $0 Total: $80,000
Prin. Invest.: W SHYY
Tech. Officer: MSFC/K TUCKER, MSFC/D CHAFFEE
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1821 **UNIV OF FLORIDA** **3774**
APPLICATION OF PRESSURE SENSITIVE PAINT TO THE MSFC 14 INCH TRISONIC WIND TUNNEL
06/01/2001 - 08/31/2002 FY02: $0 Total: $29,361
Prin. Invest.: B CARROLL
Tech. Officer: MSFC/A L FROST
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG10 145 **UNIV OF FLORIDA** **3775**
GENETICALLY ENGINEERED PLANT BIOMONITOR IN MICRO- GRAVITY
09/21/1994 - 08/31/2001 FY02: $0 Total: $711,208
Prin. Invest.: R J FERL
Tech. Officer: KSC/W M KNOTT
CASE Category: 55 – AGRICULTURE

NAG10 285 UNIV OF FLORIDA 3776
CRYOGENICS R&T SUPPORT FOR KENNEDY SPACE CENTER CRYOGENICS R&T SUPPORT FOR KENNEDY SPACE CENTER
06/05/2000 - 05/18/2003 FY02: $0 Total: $225,000
Prin. Invest.: C SEGAL
Tech. Officer: KSC/M LONERGAN
CASE Category: 43 – CHEMICAL ENGR

NAG10 291 UNIV OF FLORIDA 3777
TIANGENIC PLANT BIOMONITORS TIANGENIC PLANT BIOMONITORS
09/29/2000 - 09/30/2003 FY02: $0 Total: $195,399
Prin. Invest.: R J FERL
Tech. Officer: KSC/D R COX
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG10 293 UNIV OF FLORIDA 3778
DEVELOPMENT OF AN OBJECT-ORIENTED ALS-CROP DATABAS E SYSTEM FOR DOCUMENTING RESEARCH AND MARS DEPLOY
12/08/2000 - 10/29/2003 FY02: $0 Total: $45,000
Prin. Invest.: R A BUCKLIN
Tech. Officer: KSC/J C SAGER
CASE Category: 55 – AGRICULTURE

NAG10 303 UNIV OF FLORIDA 3779
ELECTROLYTIC REDUCTION OF CO-2 TO 0-2 AND CO FOR I SRU WITH HIGH CONDUCTIVITY SOLID OXIDE ELECTROLYT
07/27/2001 - 04/30/2002 FY02: $0 Total: $15,000
Prin. Invest.: E D WACHSMAN
Tech. Officer: KSC/D E LUECK
CASE Category: 47 – METAL & MATERIALS ENGR

NAG10 316 UNIV OF FLORIDA 3780
SPACE AGRICULTURE AND BIOTECHNOLOGY RESEARCH AND E DUCATION (SABRE)
04/29/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: W M PHILLIPS
Tech. Officer: KSC/D FITCH
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAS10 96004 UNIV OF FLORIDA 3781
ON-SITE MEDICAL SUPPORT DURING STS LAUNCH & LAND- ING OPERATIONS
09/13/1996 - 09/30/2001 FY02: $0 Total: $512,555
Prin. Invest.: A H NEIMS
Tech. Officer: KSC/D A TIPTON
CASE Category: 56 – MEDICL

NCC 1 397 UNIV OF FLORIDA 3782
FLEXIBLE WING BASED MICRO AERIAL VEHICLES
05/24/2000 - 09/30/2001 FY02: $0 Total: $74,920
Prin. Invest.: P G IFJU, D A JENKINS
Tech. Officer: LARC/M R WASZAK
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01023 UNIV OF FLORIDA 3783
REAL-TIME FEEDBACK FLOW CONTROL
02/14/2001 - 01/31/2004 FY02: $0 Total: $70,000
Prin. Invest.: L N CATTAFESTA, III, M SHEPLAK
Tech. Officer: LARC/A E WASHBURN, LARC/W L SELLERS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 1 01060 UNIV OF FLORIDA 3784
CHARACTERIZATION OF MICROMACHINED THERMAL SHEAR STRESS SENSOR FOR QUANTITATIVE TURBULENCE MEASUREM
08/30/2001 - 08/31/2003 FY02: $0 Total: $5,000
Prin. Invest.: M SHEPLAK, W SHYY, L N CATTAFESTA,III
Tech. Officer: LARC/A E WASHBURN, LARC/A E WASHBURN
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02004 UNIV OF FLORIDA 3785
FLEXIBLE WING BASED MICRO AERIAL VEHICLES
12/19/2001 - 12/18/2002 FY02: $0 Total: $0
Prin. Invest.: P G IFJU
Tech. Officer: LARC/M R WASZAK
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1197 UNIV OF FLORIDA 3786
DO INTEGRINS MEDIATE THE SKELETAL RESPONSE TO ALTE RED LOADING? (SUBPROJECT C)
08/28/2000 - 09/30/2003 FY02: $0 Total: $48,417
Prin. Invest.: T J WRONSKI
Tech. Officer: ARC/R K GLOBUS, ARC/E M HOLTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5246 UNIV OF FLORIDA 3787
OPTIMIZATION OF INFRARED DETECTOR ARRAYS FOR AIRBORNE ASTRONOMY
12/03/1997 - 02/28/2001 FY02: $0 Total: $142,822
Prin. Invest.: C M TELESCO, R K PIKA
Tech. Officer: ARC/E F ERICKSON, ARC/M R HAAS
CASE Category: 11 – ASTRONOMY

NCC 2 5403 UNIV OF FLORIDA 3788
COMPUTATIONAL INVESTIGATION OF CARBON NANOTUBE MAT ERIALS
10/11/2000 - 11/30/2002 FY02: $0 Total: $44,873
Prin. Invest.: S SINNOTT
Tech. Officer: ARC/H PARTRIDGE, ARC/M MEYYAPPAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5424 UNIV OF FLORIDA 3789
UF PARTICIPATION IN THE AIRBORNE INFRARED ECHELLE SPECTROMETER PROJECT
02/27/2001 - 02/28/2002 FY02: $0 Total: $36,167
Prin. Invest.: R K PINA
Tech. Officer: ARC/E F ERICKSON
CASE Category: 11 – ASTRONOMY

NCC 3 994 UNIV OF FLORIDA 3790
INST FOR FUTURE SPACE TRANSPORT INST FOR FUTURE SPACE TRANSPORT
08/19/2002 - 08/18/2007 FY02: $0 Total: $0
Prin. Invest.: D SHYY
Tech. Officer: GRC/M HYATT
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 8 149 UNIV OF FLORIDA 3791
RESEARCH IN COMMUNICATING SCIENTIFIC KNOWLEDGE
12/22/1997 - 08/31/2002 FY02: $0 Total: $1,039,917
Prin. Invest.: D TREISE
Tech. Officer: MSFC/R KOCZOR
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 8 157 **UNIV OF FLORIDA** **3792**
SOUTHEAST REGIONAL EARTH SCIENCE APPLICATIONS CENTER
10/20/1998 - 10/20/2003 FY02: $0 Total: $120,000
Prin. Invest.: J W JONES, J W HANSEN
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 9 110 **UNIV OF FLORIDA** **3793**
ENVIRONMENTAL SYSTEMS COMMERCIAL SPACE TECH CNTR
09/22/2000 - 11/30/2005 FY02: $0 Total: $926,741
Prin. Invest.: J J WARWICK
Tech. Officer: JSC/K R DAUES
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NGT 1 01022 **UNIV OF FLORIDA** **3794**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/01/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: M SHEPLAK
Tech. Officer: LARC/K K TEDJOJUWONS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52233 **UNIV OF FLORIDA** **3795**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
04/24/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: M SHEPHERD
Tech. Officer: LARC/K K TEDJOJIONO
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 128 **UNIV OF FLORIDA** **3796**
ADAPTIVE SATELLITE ATTITUDE CONTROL/KEVIN J. WALCH KO
08/22/2001 - 07/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: P C MASON
Tech. Officer: GSFC/M S BURRELL
CASE Category: 46 – MECHANICAL ENGR

NGT 5 50031 **UNIV OF FLORIDA** **3797**
DETECTING PLANETS IN CIRCUMSTELLAR DISKS
07/17/1997 - 01/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: S DERMOTT
Tech. Officer: GSFC/K BLANDING
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 50233 **UNIV OF FLORIDA** **3798**
LOOKING FOR VARIATIONS IN THE INITIAL MASS FUNCTIO N: FIRST COMPREHENSIVENEAR -INFRARED SPECTROSCOPI
05/27/1999 - 06/30/2002 FY02: $0 Total: $44,000
Prin. Invest.: E A LADA
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52890 **UNIV OF FLORIDA** **3799**
CRITICAL INITIAL FLAW (CIF) SIZE EVALUATION IN SINGLE CRYSTAL NICKEL-BASE (PWA 1493)
06/01/2000 - 10/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: N ARAKERE
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 46 – MECHANICAL ENGR

NGT10 52626 **UNIV OF FLORIDA** **3800**
HIGH PERFORMANCE MASS SPECTROMETRY WITH A MINIATUR E ION TRAP FOR BIOLOGICAL AND ENVIRONMENTAL MONIT
07/20/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: R A YOST
Tech. Officer: KSC/F ADAMS
CASE Category: 12 – CHEMISTRY

NGT10 52632 **UNIV OF FLORIDA** **3801**
NASA BASED OBJECT DATABASE APPLICATION NASA BASED OBJECT DATABASE APPLICATION
08/22/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: H BECK
Tech. Officer: KSC/C D BLACK
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT10 52633 **UNIV OF FLORIDA** **3802**
PRODUCTION OF OXYGEN FROM CARBON DIOXIDE IN A MART IAN ATMOSPHERE USING PRECIOUS METAL CATALYSTS ON
08/22/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: G B HOFLUND
Tech. Officer: KSC/C BLACK
CASE Category: 43 – CHEMICAL ENGR

NAG 5 6577 **UNIV OF MIAMI** **3803**
HIGH ACCURACY INFRARED INTERFEROMETRIC VALIDATION OF SATEL-LITE SURFACE TEMPERATURE RETRIEVALS
12/12/1997 - 05/31/2001 FY02: $0 Total: $599,877
Prin. Invest.: P J MINNETT
Tech. Officer: GSFC/J C DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6659 **UNIV OF MIAMI** **3804**
A STUDY OF THE IMPACT OF OCEANIC BIOLOGICAL PROCES SES ON THE AIR-SEA EXCEXCHANGE OF METHYL BROMIDE:
11/20/1997 - 04/30/2003 FY02: $0 Total: $320,065
Prin. Invest.: R ZIKA
Tech. Officer: GSFC/C W TREES
CASE Category: 11 – ASTRONOMY

NAG 5 7110 **UNIV OF MIAMI** **3805**
TOMS VALIDATION BASED ON PROFILES OF AEROSOL PROPE RTIES IN THE LOWER TROPOSPHERE AS OBTAINED WIT
03/18/1998 - 03/31/2002 FY02: $0 Total: $452,904
Prin. Invest.: D M PROSPERO
Tech. Officer: GSFC/J HERMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7674 **UNIV OF MIAMI** **3806**
INTEGRATION OF LONG TERM OCEANIC AEROSOL RECORDS F ROM UNIV OF MIAMI NETWORK STATIONS WITH
09/09/1998 - 08/31/2001 FY02: $0 Total: $120,000
Prin. Invest.: J M PROSPERO
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8229 **UNIV OF MIAMI** **3807**
STUDIES OF WESTERN PACIFIC INTERANNUAL ANOMALY PAT TERNS TOWARD IMPROVED ENSO PREDICTION.
02/24/1999 - 03/31/2002 FY02: $0 Total: $175,623
Prin. Invest.: G HALIWELL
Tech. Officer: GSFC/M RIENECKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8864 **UNIV OF MIAMI** **3808**
SEAWIFS DATA COLLECTION, CALIBRATION, & PROCESSING FOR THE INDIAN OCEAN
12/02/1999 - 01/31/2002 FY02: $0 Total: $107,010
Prin. Invest.: R H EVANS
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9066 **UNIV OF MIAMI** **3809**
PRESENT DAY TECTRONICS OF THE CENTRAL ANDES
02/18/2000 - 02/28/2002 FY02: $0 Total: $66,000
Prin. Invest.: T H DIXON
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9068 **UNIV OF MIAMI** **3810**
VOLCANO PLUME MONITORING USING UNMANNED AERIAL VEHICLES
02/17/2000 - 02/28/2003 FY02: $0 Total: $188,510
Prin. Invest.: T H DIXON
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9627 **UNIV OF MIAMI** **3811**
A SATELLITE DATA RECEPTION & ANALYSIS FACILITY FOR ENVIRONMENTAL MONITORING IN THE SOUTHEASTERN
08/10/2000 - 07/14/2003 FY02: $0 Total: $1,912,800
Prin. Invest.: T DIXON
Tech. Officer: GSFC/A R TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9739 **UNIV OF MIAMI** **3812**
DERIVATION, VALIDATION, & EXPLOITATION OF SEA-SUR FACE TEMPERATURES MEASURED BY SENSORS ON TRMM
06/28/2000 - 05/31/2003 FY02: $0 Total: $151,500
Prin. Invest.: P J MINNETT
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10588 **UNIV OF MIAMI** **3813**
CONTINUED PROCESSING & EXTENSION OF THE AVHRR PATH FINDER OCEANS GLOBALSEA SURFACE TEMPERATUREDATA
03/20/2001 - 03/31/2004 FY02: $0 Total: $107,060
Prin. Invest.: R EVANS
Tech. Officer: GSFC/J DODGE
CASE Category: 33 – OCEANOGRAPHY

NAG 5 10725 **UNIV OF MIAMI** **3814**
ACTIVITIES AS PROJECT SCIENTIST OF THE GLOBAL MODE LING INITIATIVE.
04/09/2001 - 02/29/2004 FY02: $0 Total: $162,267
Prin. Invest.: J RODRIGUEZ
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10963 **UNIV OF MIAMI** **3815**
IMPROVING TROPICAL CYCLONE QUANTITATIVE PRECIPITA TION FORECASTS USING TRMM PRECIPITATION ESTIMATES
06/01/2001 - 05/31/2003 FY02: $0 Total: $70,000
Prin. Invest.: S S CHEN
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11104 **UNIV OF MIAMI** **3816**
TRANS-OCEANIC MEASUREMENTS FOR EOS AQUA VALIDATION AQUA-0058-0087
07/13/2001 - 08/31/2004 FY02: $0 Total: $163,174
Prin. Invest.: P J MINNETT
Tech. Officer: GSFC/D Q STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11277 **UNIV OF MIAMI** **3817**
ANALYSIS OF TROPOSPHERIC MEASUREMENTS UTILIZING A HIERARCHY OF MODELS
08/22/2001 - 08/31/2004 FY02: $0 Total: $78,555
Prin. Invest.: J RODRIQUEZ
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11392 **UNIV OF MIAMI** **3818**
IMPROVE ESTIMATE OF GAS TRANSFER USING SCATTERO- METER
11/13/2001 - 10/31/2004 FY02: $0 Total: $0
Prin. Invest.: D BOGUCKI
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11508 **UNIV OF MIAMI** **3819**
RADAR OBSERVATIONS OF TROPICAL CIRRUS ANVILS
01/03/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: B A ALBRETCH
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11864 **UNIV OF MIAMI** **3820**
WAVES: AN UNDULATING OCEAN SURFACE
03/13/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: H GRABER
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 12103 **UNIV OF MIAMI** **3821**
LONG-RANGE TRANSPORT OF VIABLE MICROORGANISMS THRO UGH THE ATMOSPHERE: THE IMPACT OF AFRICANSOURC
04/25/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: J M PROSPERO
Tech. Officer: GSFC/N MAYNARD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12513 **UNIV OF MIAMI** **3822**
FEASIBILITY STUDY TO DETERMINE OCEANIC MIXED LAYER DEPTH USING LIDAR MEASUREMENTS
08/27/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: D BOGUCKI
Tech. Officer: GSFC/C TREES
CASE Category: 11 – ASTRONOMY

NAG 9 1346 **UNIV OF MIAMI** **3823**
CELL TRANSPLANTATION THERAPY FOR DIABETES
08/15/2001 - 09/30/2004 FY02: $0 Total: $66,000
Prin. Invest.: L INVERARDI
Tech. Officer: JSC/D RISEN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG13 02050 **UNIV OF MIAMI** **3824**
CSTARS"DATA RECEPTION AND ANALYSIS FOR SE US, GULF OF MEXICO, CARIBBEAN BASIN EQUATORIAL BASIN
08/02/2002 - 07/14/2003 FY02: $0 Total: $0
Prin. Invest.: T DIXON
Tech. Officer: SSC/C DEL CASTILLO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 5 31361 UNIV OF MIAMI 3825
MODIS - INVESTIGATION
01/15/1992 - 06/14/2003 FY02: $0 Total: $8,314,000
Prin. Invest.: O B BROWN
Tech. Officer: GSFC/H OSEROFF
CASE Category: 33 – OCEANOGRAPHY

NAS 5 31362 UNIV OF MIAMI 3826
EOS/MODIS INVESTIGATION ENTITLED: "PROCESSING/ CALIBRATION FOR OCEAN OBSERVATION WITH EOS/MODIS"
12/13/1991 - 06/14/2003 FY02: $0 Total: $11,122,000
Prin. Invest.: R EVANS
Tech. Officer: GSFC/H OSEROFF
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 31363 UNIV OF MIAMI 3827
MODERATE RESOLUTION IMAGING SPECTROMETER INVESTIGATION - OCEAN
01/15/1992 - 06/14/2003 FY02: $0 Total: $6,198,000
Prin. Invest.: H GORDON
Tech. Officer: GSFC/H OSEROFF
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 01021 UNIV OF MIAMI 3828
DEPLOY FAST-GAS GC/MS SYS TO MEAS C2&C5 CARBONYLS, METHANOL & ETHANOL ON NASA AIRCRAFT DURING TRACE-
03/13/2001 - 10/14/2002 FY02: $0 Total: $49,959
Prin. Invest.: D D RIEMER
Tech. Officer: LARC/J L RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5500 UNIV OF MIAMI 3829
CLUES TO CORAL REEF EXOSYSTEM HEALTH DERIVED FROM AIRBORNE HYPERSPECTRAL DATA COUPLED WITH RADIATIVE
07/09/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: P KRAMER
Tech. Officer: ARC/L GUILD, ARC/J L DUNGAN
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NGT 5 30425 UNIV OF MIAMI 3830
A STUDY OF GLOBAL RAINFALL DISTRIBUTIONS IN TROPIC AL CYCLONES USING NASA/TRMM DATA/STUDENT: MAN
09/19/2001 - 09/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: S S CHEN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01046 UNIV OF SOUTH FLORIDA 3831
CIMBINED THERMAL AND STRUCTURAL OPTIMIZATION OF FUNCTIONALLY GRADED TILE
03/26/2001 - 12/31/2001 FY02: $0 Total: $65,000
Prin. Invest.: R T HAFTA, S VENKATARAMAN, B V SANKAR
Tech. Officer: LARC/M L BLOSSER
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 3 2614 UNIV OF SOUTH FLORIDA 3832
DEVELOPMENT OF A FLEXIBLE II-VI-BASED HIGH PERFORM ANCE HIGH BANDGAP DEVICE FOR THIN FILM TANDEM SOL
05/23/2001 - 04/30/2003 FY02: $0 Total: $58,837
Prin. Invest.: D MOREL
Tech. Officer: GRC/A HEPP
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 3446 UNIV OF SOUTH FLORIDA 3833
BOTTOM-ASSESSMENT AND WATER-CONSTITUTENT ALFORITHM S FOR THE ETM IN THE COASTAL ZONE
10/10/1996 - 06/30/2001 FY02: $0 Total: $782,681
Prin. Invest.: KARGER
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 5202 UNIV OF SOUTH FLORIDA 3834
COLLABORATION ON A STUDY OF SIGMA NAUGHT BLOOM EFFECTS ON RADAR ALTIMETERS
06/18/1998 - 12/31/2002 FY02: $0 Total: $110,000
Prin. Invest.: G T MITCHUM
Tech. Officer: GSFC/G S HAYNE
CASE Category: 33 – OCEANOGRAPHY

NAG 5 6301 UNIV OF SOUTH FLORIDA 3835
HYPERSPECTRAL CHARACTERIZATION FOR APPLICATION TO CARBON CYCLING IN COASTAL REGIONS
09/02/1997 - 08/14/2001 FY02: $0 Total: $335,571
Prin. Invest.: P COBLE
Tech. Officer: GSFC/J YODER
CASE Category: 33 – OCEANOGRAPHY

NAG 5 6448 UNIV OF SOUTH FLORIDA 3836
SYNOPTIC ANALYSIS OF FACTORS INFLUENCING CARBON FL UXES AT THE CARIACO CONTINENTAL MARGIN TIME SER
10/24/1997 - 09/30/2001 FY02: $0 Total: $446,836
Prin. Invest.: F MULLER-KARGER
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6449 UNIV OF SOUTH FLORIDA 3837
A NUMERICAL ANALYSIS OF NEW NITROGEN SOURCES OF NO 3 AND N2 EFFECTING CARBON CYCLING IN THE SOUTH
10/24/1997 - 10/14/2001 FY02: $0 Total: $582,965
Prin. Invest.: J WALSH
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8175 UNIV OF SOUTH FLORIDA 3838
SOUTHEASTERN US X-BAND EOS DB RECEPTION FACILITY (SEUS-X): INFRASTRUC- TURE FOR ENVIRONMENTAL ASSE
02/04/1999 - 02/14/2001 FY02: $0 Total: $490,660
Prin. Invest.: F E MULLER-KARGER
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10532 UNIV OF SOUTH FLORIDA 3839
SOUTHEASTERN US X-BAND EOS DB PROCESSING AND ANALYSIS FACIL- ITY INFRASTRUCTURE FOR ENVIRONMENT
03/12/2001 - 02/28/2004 FY02: $0 Total: $227,319
Prin. Invest.: F MULLER-KARGER
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10738 UNIV OF SOUTH FLORIDA 3840
IMPACTS OF LARGE RIVER PLUMES ON CARBON AND SALT FLUXES IN THE SURFACE OCEAN
04/18/2001 - 04/30/2004 FY02: $0 Total: $125,853
Prin. Invest.: C CHU
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 10908 UNIV OF SOUTH FLORIDA 3841
A MILLENIUM GLOBAL SCALE CORAL REEF ECOSYSTEM ASSE SSMENT USING HIGH RESOLUTION REMOTESENSING DATA
05/07/2001 - 05/31/2004 FY02: $0 Total: $50,000
Prin. Invest.: S ANDREFOUET
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11254 UNIV OF SOUTH FLORIDA 3842
AN ASSESSMENT OF GLOBAL ORGANIC CARBON FLUX ALONG CONTINENTAL MARGINS
08/20/2001 - 08/31/2004 FY02: $0 Total: $133,545
Prin. Invest.: F MULLER-KARGER
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11318 UNIV OF SOUTH FLORIDA 3843
VOLCANIC PLUME MONITORING USING UNMANNED AERIAL VE HICLES
10/17/2001 - 09/30/2003 FY02: $202,559 Total: $202,559
Prin. Invest.: C B CONNOR
Tech. Officer: GSFC/H V FREY
CASE Category: 11 – ASTRONOMY

NAG 8 1381 UNIV OF SOUTH FLORIDA 3844
RESEARCH "DEVELOPMENT OF AN INSULIN SECRETING IMMUNOPRIVILEGED CELL-CELL AGRGREGATE UTILIZING
06/01/1997 - 12/31/2001 FY02: $0 Total: $426,000
Prin. Invest.: D CAMERON
Tech. Officer: MSFC/B GUYNES, MSFC/J MAYO
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 648 UNIV OF SOUTH FLORIDA 3845
EVALUATION OF OVARIAN TUMOR CELL GROWTH AND GENE EXPRESSION
10/28/1992 - 01/31/2002 FY02: $0 Total: $600,000
Prin. Invest.: J L BECKER
Tech. Officer: JSC/S R GONDA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1341 UNIV OF SOUTH FLORIDA 3846
3D GROWTH EFFECTS ON DRUG RESISTANCE IN HUMAN OVAR IAN TUMOR CELLS
08/01/2001 - 09/30/2004 FY02: $0 Total: $35,000
Prin. Invest.: J L BECKER
Tech. Officer: JSC/D RISIN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1365 UNIV OF SOUTH FLORIDA 3847
CREATION AND TRANSPLATION OF IMMUNOPRIVELEDGED SERTOLI- NUERON -AGGREGATED CELLS
07/27/2001 - 09/30/2004 FY02: $0 Total: $68,000
Prin. Invest.: S SAPORTA, D F CAMERON, A E WILLING
Tech. Officer: JSC/D RISEN
CASE Category: 56 – MEDICL

NAG 9 1431 UNIV OF SOUTH FLORIDA 3848
USING LNDSAT 7 DATA IN A GISBASED REVISION OF REEF BASE
05/30/2002 - 04/07/2005 FY02: $0 Total: $0
Prin. Invest.: S ANDREFOUET
Tech. Officer: JSC/G BYRNE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG10 204 UNIV OF SOUTH FLORIDA 3849
EDUCATION GRANT ENTITLED "YES WE CARE"
01/07/1997 - 06/30/2002 FY02: $0 Total: $324,546
Prin. Invest.: R E HENNING
Tech. Officer: KSC/J A DIGGS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG10 310 UNIV OF SOUTH FLORIDA 3850
EVALUATION OF A SURFACE-APPLIED CATHODIC PROTECTIO N SYSTEM
02/11/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: D A SAGUESS
Tech. Officer: KSC/L MACDOWELL
CASE Category: 47 – METAL & MATERIALS ENGR

NAS 5 31716 UNIV OF SOUTH FLORIDA 3851
EARTH OBSERVING SYSTEM MODIS/HIRIS TEAM MEMBER INVESTIGATION
01/15/1992 - 06/14/2003 FY02: $0 Total: $5,511,168
Prin. Invest.: K R CARDER
Tech. Officer: GSFC/H OSEROFF
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 5 30143 UNIV OF SOUTH FLORIDA 3852
EL NINO/SOUTHERN OSCILLATION IN THE ANTARCTIC CIRCUMPOLAR CURRENT
08/27/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: G T MITHCHUM, HAAN
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30346 UNIV OF SOUTH FLORIDA 3853
CHARACTERIZATION OF CDOM RIVERINE CONTRIBUTION AND DISTRIBUTION THORUGH REMOTE SENSINGSATELLITE IMA
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: P COBLE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30354 UNIV OF SOUTH FLORIDA 3854
IMPACT OF LARGE & SMALL RIVERSON ADJACENT OCEANIC ENVIRONMENTS/STUDENT: ANA ODRIOLLA
08/24/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: F MULLER-KARGER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30414 UNIV OF SOUTH FLORIDA 3855
MAPPING AND MONITORING OF CHANGE IN THE FLORIDA KE YS REEF TRACT FROM SPACE USING LANDSAT 7, MODI
08/15/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: F MULLER-KARGER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50422 UNIV OF SOUTH FLORIDA 3856
IRON FERTILIZATION OF TRICHODESMIUM ON THE WEST FL ORIDA SHELF: A THREE-DIMENSIONAL PHYSICAL
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J WALSH
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2236 **UNIV OF WEST FLORIDA** **3857**
INTELLIGENT TACTILE SYSTEMS FOR IMPROVED SAFETY OF FLIGHT (NRA-98-LARC-8)
09/20/1999 - 03/31/2002 FY02: $0 Total: $395,962
Prin. Invest.: A K RAV
Tech. Officer: LARC/W K GERDEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1225 **UNIV OF WEST FLORIDA** **3858**
ATTENTION DIRECTING PILOTING DISPLAY: OZ A COMPUTE R BASED HUMAN-CENTERED SYSTEM
05/29/1998 - 01/31/2002 FY02: $0 Total: $472,427
Prin. Invest.: D L STILL
Tech. Officer: ARC/D C FOYLE
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 1226 **UNIV OF WEST FLORIDA** **3859**
INTELLIGENT HUMAN COMPUTER TACTILE INTERFACES FOR ROTOR-CRAFT & CIVIL AVIATION
06/11/1998 - 12/31/2001 FY02: $0 Total: $485,906
Prin. Invest.: N SURI, F GUEDRY, A RAZ
Tech. Officer: ARC/J DEMAIO, ARC/J V LEBACQZ
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1332 **UNIV OF WEST FLORIDA** **3860**
ADAPTING AN ATTENTION DIRECTION PILOTING DISPLAY FOR THE SPACE SHUTTLE
06/21/1999 - 09/30/2001 FY02: $0 Total: $222,596
Prin. Invest.: D STILL
Tech. Officer: HQ/A R GROSS
CASE Category: 45 – ELECTRICAL ENGR

NAG 2 1490 **UNIV OF WEST FLORIDA** **3861**
TACTILE INTERFACES TO ENHANCE SAFETY PERFORMANCE A ND RELABILITY IN AGRICULTURAL
07/02/2001 - 06/30/2002 FY02: $0 Total: $54,000
Prin. Invest.: A K RAJ
Tech. Officer: ARC/J DEMAIO
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 5 8782 **UNIV OF WEST FLORIDA** **3862**
HAPTIC INTERFACES TO AUGMENT HUMAN/MACHINE INTERAC TION IN SPACE ACTIVITES
08/30/1999 - 08/31/2002 FY02: $0 Total: $402,754
Prin. Invest.: A K RAJ
Tech. Officer: GSFC/R CROUCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1386 **UNIV OF WEST FLORIDA** **3863**
HUMAN CENTERED COMPUTING PERSPECTIVE ON MARS EXPLO RATION
09/21/2001 - 10/31/2002 FY02: $0 Total: $175,000
Prin. Invest.: J HANSEN
Tech. Officer: JSC/B WARD
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 1036 **UNIV OF WEST FLORIDA** **3864**
EXPLANATION & COLLABORATION THROUGH CONCEPT MAPS
05/07/1998 - 06/30/2001 FY02: $0 Total: $604,499
Prin. Invest.: A J CANAS
Tech. Officer: ARC/B H WHITAKER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1191 **UNIV OF WEST FLORIDA** **3865**
UNSOLOCIATED PROPOSAL TO ESTABLISH THE INFORMATION TECHNOL-OGY ASSESSMENT CONSORTIUM (ITAC) & SUPPOR
08/07/2000 - 05/31/2002 FY02: $0 Total: $959,849
Prin. Invest.: K M FORD
Tech. Officer: ARC/M E DUENAS
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1239 **UNIV OF WEST FLORIDA** **3866**
POLISHING: ENHANCING DATA QUALITY BY REPAIRING IM PERFECTIONS
04/06/2001 - 02/28/2003 FY02: $0 Total: $117,000
Prin. Invest.: C M TENG
Tech. Officer: ARC/J SKILES
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1254 **UNIV OF WEST FLORIDA** **3867**
TEAMWORK IN PRACTIVE: DESIGN FOR COLLABORATION IN MIXED HUMAN-ROBOTIC TEAMS
04/27/2001 - 02/28/2003 FY02: $0 Total: $162,000
Prin. Invest.: J M BRADSHAW
Tech. Officer: ARC/R L ALENA, ARC/M G SHAFTO
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1283 **UNIV OF WEST FLORIDA** **3868**
NULTI-AGENT SOFTWARE DESIGN & ENGINEERING FOR HUMA N-CENTERED COLLABORATIVE AUTONOMOUS SPACE SYSTEMS
09/04/2001 - 08/31/2003 FY02: $0 Total: $297,400
Prin. Invest.: J M BRADSHAW
Tech. Officer: ARC/D CLANCY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1295 **UNIV OF WEST FLORIDA** **3869**
MULTI-DOMAIN NETWORK LEARNING ALGORITHMS OF LATENT VARIABLE INTERPRETATION AND DISCOVERING GENETIC
11/08/2001 - 11/14/2002 FY02: $0 Total: $0
Prin. Invest.: C GLYMOUR
Tech. Officer: ARC/J C COUGHLAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1297 **UNIV OF WEST FLORIDA** **3870**
CMAP TOOLS: A SOFTWARE ENVIRONMENT FOR KNOWLEDGE MODELING & SHARING
12/18/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: A CANAS
Tech. Officer: ARC/M SHAFTO, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG10 165 **VALENCIA COMM COLL** **3871**
HIGH TECH TRNG OF INDIVIDUALS W/DISABILITY
06/06/1995 - 08/31/2002 FY02: $0 Total: $135,043
Prin. Invest.: K WOODBERRY
Tech. Officer: KSC/G BUCKINGHAM
CASE Category: 22 – COMPUTER SCIENCE

GEORGIA

NAG 3 2806 **ALBANY STATE UNIV** **3872**
PRECOLL ACHIEVEMENT OF EXCELLENCE IN MATHEMATIC S, SCIENCE, ENGINEERING AND TECHNOLOGY (PACE/MSET
09/12/2002 - 09/12/2005 FY02: $0 Total: $0
Prin. Invest.: G WRENSFORD
Tech. Officer: GRC/R F LAWRENCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 265 ALBANY STATE UNIV 3873
ALBANY STATE UNIV HIGH SCHOOL/HIGH TECH ALBANY STATE UNIV HIGH SCHOOL/HIGH TECH
09/10/1999 - 09/30/2002 FY02: $0 Total: $200,000
Prin. Invest.: D HODGES-TILLER
Tech. Officer: KSC/R J MCKINNEY
CASE Category: 79 – SOCIAL SCIENCE, OTHER

NAG 1 01091 CLARK ATLANTA UNIV 3874
COMMERCIAL PROCESS DEVELOPMENT FOR POLYIMIDE FOAMS
05/24/2001 - 05/24/2004 FY02: $0 Total: $75,000
Prin. Invest.: D R VEAZIE
Tech. Officer: LARC/E S WEISER
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2292 CLARK ATLANTA UNIV 3875
TEST AND EVALUATION OF NONCHROMATE FINISHING AGENT
09/29/1999 - 08/23/2002 FY02: $0 Total: $199,998
Prin. Invest.: D OKHIO
Tech. Officer: GRC/R LAWRENCE
CASE Category: 43 – CHEMICAL ENGR

NAG 5 6889 CLARK ATLANTA UNIV 3876
ELECTRON EXCITATION CROSS SECTIONS OF ATOMS AND IO NS REL-EVANT TO PLANETARY ATMOSPHERES
01/21/1998 - 09/30/2001 FY02: $0 Total: $192,755
Prin. Invest.: S TAYAL
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8792 CLARK ATLANTA UNIV 3877
DEVELOPMENT OF DISPERSION RELATIONS FOR SOLAR AND STELLAR DIAGNOSTICS
09/02/1999 - 08/31/2001 FY02: $0 Total: $197,950
Prin. Invest.: A MSEZANE
Tech. Officer: GSFC/A TEMKIN
CASE Category: 13 – PHYSICS

NAG 5 11434 CLARK ATLANTA UNIV 3878
ELECTRON COLLISIONAL EXCITATION STRENGTHS FOR IONS OF ASTRO-PHYSICAL INTEREST
12/05/2001 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: S S TAYAL
Tech. Officer: GSFC/H HASAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1493 CLARK ATLANTA UNIV 3879
MOBILE SCIENCE, MATHEMATICS EDUCATION UNIT
06/01/1998 - 08/15/2001 FY02: $0 Total: $295,984
Prin. Invest.: A MSEZANE
Tech. Officer: MSFC/W LOVE
CASE Category: 21 – MATHEMATICS

NAG 8 1535 CLARK ATLANTA UNIV 3880
MASTAP FOR SCIENCE TEACHERS OPEN SUPPORT SYSTEMS (S-TOSS)
05/07/1998 - 05/01/2001 FY02: $0 Total: $600,000
Prin. Invest.: B E ALICK
Tech. Officer: MSFC/A C BEAM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1814 CLARK ATLANTA UNIV 3881
TRANSFER ICEMS INSPIRING CAREERS IN ENGINEERING, MATHEMATICS AND SCIENCE FROM MOORHOUSE TO CLARK AT
05/21/2001 - 09/05/2001 FY02: $0 Total: $19,864
Prin. Invest.: E MCDONALD
Tech. Officer: MSFC/E ORDONEZ
CASE Category: 21 – MATHEMATICS

NAS 3 01201 CLARK ATLANTA UNIV 3882
RESIN TRANSFER MOLDING AND VACUUM ASSISTED RESIN TRANSFER MOLDING PROGRAM
08/27/2001 - 07/31/2002 FY02: $0 Total: $56,136
Prin. Invest.: E A MINTZ
Tech. Officer: GRC/M A MEADOR
CASE Category: 12 – CHEMISTRY

NAS 3 02104 CLARK ATLANTA UNIV 3883
PEM-FAN ALL COMPOSITE ELECTRIC AIRCRAFT ENGINE CONCEPT
06/13/2002 - 01/22/2003 FY02: $0 Total: $0
Prin. Invest.: J A FABUNMI
Tech. Officer: GRC/J A SEIDEL, GRC/L A BURKARDT
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 552 CLARK ATLANTA UNIV 3884
HIGH PERFORMANCE POLYMERS AND COMPOSITES CENTER
04/29/1997 - 03/31/2003 FY02: $0 Total: $4,999,438
Prin. Invest.: A A MINTZ
Tech. Officer: GRC/S DUTTA, GRC/M A MEADOR
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 707 CLARK ATLANTA UNIV 3885
LIQUID FUELS: PYROLYTIC DEGRADATION AND FIRE SPRE AD BEHAVIOR AS INFLUENCED BY BUOYANCY
05/19/1999 - 03/14/2003 FY02: $0 Total: $367,234
Prin. Invest.: Y D YEBOAH
Tech. Officer: GRC/H D ROSS
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 910 CLARK ATLANTA UNIV 3886
DEVELOPMENT OF THERMALLY STABLE AND HIGHLY FLUORES CENT IR DYES
08/21/2001 - 08/19/2003 FY02: $0 Total: $20,000
Prin. Invest.: D R BU
Tech. Officer: GRC/M A MEADOR
CASE Category: 12 – CHEMISTRY

NCC 3 911 CLARK ATLANTA UNIV 3887
DEVELOPING NOVEL FLUORESCENT MATERIALS WITH NEAR I NFRARED EMISSION BY USING M-PHEYLENE
09/04/2001 - 08/19/2003 FY02: $0 Total: $20,000
Prin. Invest.: D PANG
Tech. Officer: GRC/M A MEADOR
CASE Category: 12 – CHEMISTRY

NCC 5 347 CLARK ATLANTA UNIV 3888
INTEGRATION OF RESEARCH AND EDUCATION IN THE AREA OF EARTH SYSTEMS SCIENCE
07/01/1998 - 06/30/2003 FY02: $0 Total: $1,929,914
Prin. Invest.: C H WILLIAMS
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 666 CLARK ATLANTA UNIV 3889
CLARK ATLANTA UNIV. AND PARTNERS CENTER FOR PREPAR ING MATHEMATICS AND SCIENCE TEACHERSFOR URBAN
08/22/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: B FLOURNOY
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2728 EMORY UNIV 3890
CONFOCAL MICROSCOPY OF THE COLLOIDAL GLASS TRANSIT ION
05/06/2002 - 05/05/2006 FY02: $0 Total: $0
Prin. Invest.: E R WEEKS
Tech. Officer: GRC/R B ROGERS
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1579 EMORY UNIV 3891
DESIGN, SYNTHESIS, AND CHARACTERIZATION OF WELL- DEFINED, BIOMIMETIC POLYPEPTIDE NETWORKS"
01/05/1999 - 11/30/2002 FY02: $0 Total: $340,424
Prin. Invest.: V CONTICELLO
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 9 144 EMORY UNIV 3892
MODELING PROSTATE CANCER SKELETAL METASTASIS & GEN E THERAPY
12/14/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: L CHUNG
Tech. Officer: JSC/D RISIN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 1 2146 GEORGIA INST OF TECHNOLOGY 3893
APPLIC OF CIRCULATION CONTROL TECHNOL TO AIRFRAME NOISE REDUCTION
03/09/1999 - 02/28/2003 FY02: $0 Total: $634,721
Prin. Invest.: K K AHUIA, L N SANKAR, R J ENGLAN
Tech. Officer: LARC/R R ANTCLIFF
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2149 GEORGIA INST OF TECHNOLOGY 3894
DEVELOPMENT FOR ADVANCED LIFE CYCLE COSTING METHOD FOR TECHNOLOGY BENEFITS/COSTS/RISK ASSESSMENT
03/26/1999 - 12/31/2001 FY02: $0 Total: $323,593
Prin. Invest.: D N MAVRIS
Tech. Officer: LARC/M D MOORE, LARC/P A GELHAUSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2169 GEORGIA INST OF TECHNOLOGY 3895
PNEUMATIC AERODYNAMICS AND CONTROL FOR CHANNEL WING POWERED-LIFT AIRCRAFT (FOLLOW-ON NAG-1-02075
03/24/1999 - 02/28/2002 FY02: $0 Total: $298,000
Prin. Invest.: R J ENGLAR
Tech. Officer: LARC/W T HODGES123
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2202 GEORGIA INST OF TECHNOLOGY 3896
SAGE II OZONE (V6.0) ANAL W/EMPHASIS ON LONG TERM TRENDS IN THE LOWER STRATOSPHERE(NRA-98-OES-04)
06/11/1999 - 07/07/2002 FY02: $0 Total: $254,700
Prin. Invest.: D M CUNNOLD
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2235 GEORGIA INST OF TECHNOLOGY 3897
EXPLORATION OF ADVANCED PROBABILISTIC/STOCHASTIC DESIGN METHODS
08/26/1999 - 12/31/2002 FY02: $0 Total: $264,819
Prin. Invest.: D MAVRIS
Tech. Officer: GRC/R E YACKOVETSKY, GRC/M D MOORE
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2243 GEORGIA INST OF TECHNOLOGY 3898
DEMO/EVAL OF INTELLIGENT FLT PROPULSION & CONTROL SYS UNDER UNANTICIPATED CRITICALFAILURE CONDITION
09/27/1999 - 09/30/2002 FY02: $0 Total: $162,846
Prin. Invest.: A J CALISE
Tech. Officer: LARC/P W GOODE
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 1 2312 GEORGIA INST OF TECHNOLOGY 3899
NANOTUBE REINFORCEMENT OF ADHESIVELY BONDED JOINTS
06/20/2000 - 06/30/2003 FY02: $0 Total: $59,934
Prin. Invest.: W S JOHNSON
Tech. Officer: LARC/B J JENSEN
CASE Category: 46 – MECHANICAL ENGR

NAG 1 01055 GEORGIA INST OF TECHNOLOGY 3900
INTELLIGENT PILOT AIDS FOR FLIGHT RE-PLANNING IN EMERGENCIES
04/26/2001 - 04/25/2004 FY02: $0 Total: $65,325
Prin. Invest.: A R PRITCHETT
Tech. Officer: LARC/A C TRUJILLO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01117 GEORGIA INST OF TECHNOLOGY 3901
NEURAL NETWORK BASED ADAPTIVE CONTROL FOR NONLINEAR FLIGHT REGIMES NRA 01-LARC-1
08/16/2001 - 08/31/2004 FY02: $0 Total: $50,000
Prin. Invest.: A J CALISE, N HOVAKIMYAN
Tech. Officer: LARC/M A MOTTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02015 GEORGIA INST OF TECHNOLOGY 3902
DEVELOPMENT OF A MINIATURE PIEZOHYDRAULIC PUMP BASED ACTUATION SYSTEM WITH A SINGLE CRYSTAL
12/06/2001 - 12/05/2004 FY02: $0 Total: $0
Prin. Invest.: C S LYNCH
Tech. Officer: LARC/G C HORNER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02018 GEORGIA INST OF TECHNOLOGY 3903
EVALUATION OF THE NEW GENERATION TITANIUM MATRIX COMPOSITES FOR THE 3RD GENERATIONRLV
12/13/2001 - 12/14/2003 FY02: $0 Total: $0
Prin. Invest.: W S JOHNSON
Tech. Officer: LARC/R K BIRD
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02023 GEORGIA INST OF TECHNOLOGY 3904
DESIGN METHODOLOGIES FOR REVOLUTIONARY AEROSPACE CONCEPTS
01/15/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: D N MAVRIS
Tech. Officer: LARC/R E MCKINLEY,JR, LARC/W M KIMMEL
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02054 GEORGIA INST OF TECHNOLOGY 3905
EQUIVALENT CONTINUUM CONCEPTS FOR DEFORMATION AND FRACTURE BASED ON MOLECULAR MODELING TECHNIQUES
02/19/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: D L MCDOWELL, M ZHOU
Tech. Officer: LARC/E H GLAESSGEN, LARC/I S RAJU
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02075 GEORGIA INST OF TECHNOLOGY 3906
DEVELOPMENT OF PNEUMATIC CHANNEL WING POWER-LIFT AIRCRAFT TECHNOLOGY
04/03/2002 - 04/02/2004 FY02: $0 Total: $0
Prin. Invest.: R J ENGLAR
Tech. Officer: LARC/B A CAMPBELL
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02088 GEORGIA INST OF TECHNOLOGY 3907
RESEARCH IN PLANETARY EXPLORATION AND PLANETARY ATMOSPHERIC FLIGHT
04/30/2002 - 04/29/2005 FY02: $0 Total: $0
Prin. Invest.: J R OLDS
Tech. Officer: LARC/H S WRIGHT, LARC/R D BRAUN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 1 02093 GEORGIA INST OF TECHNOLOGY 3908
INVESTIGATION OF PNEUMATIC INLET AND DIFFUSER BLOWING ON A DUCTED FAN PROPULSOR INSTATIC THRUST
05/01/2002 - 12/15/2002 FY02: $0 Total: $0
Prin. Invest.: S KONDOR, B ENGLAR
Tech. Officer: LARC/M D MOORE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1291 GEORGIA INST OF TECHNOLOGY 3909
SIMULATION OF THE NATIONAL AIRSPACE SYSTEM FOR SAF ETY ANALYSIS
02/02/1999 - 09/30/2002 FY02: $10,000 Total: $284,150
Prin. Invest.: D GOLDSMAN, A R PRITCHETT
Tech. Officer: ARC/C I STATLER, ARC/M C CONNORS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1314 GEORGIA INST OF TECHNOLOGY 3910
ENABLING CSPA OPERATIONS THROUGH PILOT DEVELOPMENT IN LONGI-TUDINAL APPROACH SPACING
04/01/1999 - 06/30/2003 FY02: $0 Total: $150,201
Prin. Invest.: A B PRITCHETT
Tech. Officer: ARC/V BATTISTE, ARC/W W JOHNSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1418 GEORGIA INST OF TECHNOLOGY 3911
IN-FLIGHT DEMONSTRATION OF TACTILE CUEING ON RASCA L
07/13/2000 - 08/31/2003 FY02: $0 Total: $99,658
Prin. Invest.: J P PRASAD, A J CALISE
Tech. Officer: ARC/M S WHALLEY, ARC/M B TISCHER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1431 GEORGIA INST OF TECHNOLOGY 3912
MOLECULAR BASIS OF MECHANO-SIGNAL TRANSDUCTION IN VASCULAR ENDOTHELIAL CELL
08/15/2000 - 07/31/2003 FY02: $0 Total: $395,163
Prin. Invest.: H JO
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1488 GEORGIA INST OF TECHNOLOGY 3913
REAL-TIME CONTROL OF LEAN BLOWOUT IN A TURBINE ENG INE FOR MINIMIZING NOX EMISSIONS
06/27/2001 - 05/31/2003 FY02: $0 Total: $349,978
Prin. Invest.: B ZINN
Tech. Officer: ARC/N N MANSOUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1571 GEORGIA INST OF TECHNOLOGY 3914
SYNTHESIS OF HAFNIUM BASED CERAMIC MATERIALS FOR U LTRA HIGH TEMPERATURE AEROSPACEAPPLICATIONS
07/18/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: M SACKS
Tech. Officer: ARC/S JOHNSON
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 1949 GEORGIA INST OF TECHNOLOGY 3915
THE DEVELOPMENT OF NOVEL, HIGH-FLUX, HEAT TRANSFER CELLS FOR THERMAL CONTROL IN MICROGRAVITY
09/17/1996 - 09/12/2001 FY02: $0 Total: $480,000
Prin. Invest.: M K SMITH, A GLEZER
Tech. Officer: GRC/B SINGH
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2006 GEORGIA INST OF TECHNOLOGY 3916
TERRESTRAIL EXPERIMENTS ON G-GITTER EFFECTS ON TRA NSPORT & PATTERN FORMATION
01/24/1997 - 07/16/2001 FY02: $0 Total: $277,327
Prin. Invest.: M F SCHATZ, H L SWINNEY
Tech. Officer: GRC/W DUVAL, GRC/T K GLASGOW
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2329 GEORGIA INST OF TECHNOLOGY 3917
SINGLE-/MULTI-LAYER MICROSTRIP AND COPLANAR WAVEGU IDE LINES CROSSTALK
02/09/2000 - 01/31/2003 FY02: $0 Total: $98,233
Prin. Invest.: D M TENTZERIS
Tech. Officer: GRC/G E PONCHAK
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2352 GEORGIA INST OF TECHNOLOGY 3918
DISTRIBUTED EXHAUST NOZZLES FOR JET NOISE REDUCTIO N
03/10/2000 - 09/30/2001 FY02: $0 Total: $149,991
Prin. Invest.: D K AHULA
Tech. Officer: GRC/N H SAIYED
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2373 GEORGIA INST OF TECHNOLOGY 3919
NOVEL OPTICAL DIAGNOSTICS TECHNIQUES FOR STUDYING PARTICLE CONTACT AND DEPOSITION UPON A LARGE CYLIN
03/28/2000 - 11/30/2003 FY02: $0 Total: $117,152
Prin. Invest.: D YODA
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2431 GEORGIA INST OF TECHNOLOGY 3920
NON-COALESCENCE IN MICROGRAVITY: SCIENCE AND TECHNOLOGY
05/23/2000 - 11/30/2003 FY02: $0 Total: $133,600
Prin. Invest.: D P NEITZEL
Tech. Officer: GRC/R SKARDA
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2500 GEORGIA INST OF TECHNOLOGY 3921
NONLINEAR DYNAMIC ANALYSIS OF DISORDERED BLADE-DIS K ASSEMBLIES
11/03/2000 - 09/30/2001 FY02: $0 Total: $73,412
Prin. Invest.: D G MCGEE
Tech. Officer: GRC/J M LUCERO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2580 GEORGIA INST OF TECHNOLOGY 3922
MULTI-ACCESS & ROUTING PROTOCOLS FOR MULTICAST APP LICATIONS IN SATELITE IP NETWORKS
04/05/2001 - 03/07/2004 FY02: $0 Total: $55,000
Prin. Invest.: I F AKYILDIZ
Tech. Officer: GRC/C T RAMOS
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2585 GEORGIA INST OF TECHNOLOGY 3923
A MULTICAST PROTOCOL SUITE FOR SATELLITE IP NETWOR KS
04/10/2001 - 02/28/2004 FY02: $0 Total: $149,833
Prin. Invest.: D F AKYILDIZ
Tech. Officer: GRC/C T RAMOS
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2586 GEORGIA INST OF TECHNOLOGY 3924
AN INVESTIGATION OFAPPLICATIONS FOR THERMODYNAMIC WORK POTENTIAL TO TURBOSHAFT ENGIN TECH EVALUATION
04/06/2001 - 06/30/2002 FY02: $0 Total: $60,000
Prin. Invest.: D N MAVRIS
Tech. Officer: GRC/D THURMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2649 GEORGIA INST OF TECHNOLOGY 3925
ACOUSTIC AND THERMOACOUSTICS: THE PATHWAY TO NO-MO VINGPARTS AEROSPACE PROPULSION
12/31/2001 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: D MAVRIS
Tech. Officer: GRC/K L SUDER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2653 GEORGIA INST OF TECHNOLOGY 3926
LARGE-EDDY/LATTICE BOLTZMANN SIMULATIONS OF MICROBLOWING/SUCTION STRATEGIES FOR SUBSONIC AND SUPER
12/31/2001 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: D MENON
Tech. Officer: GRC/D P HWANG
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2660 GEORGIA INST OF TECHNOLOGY 3927
SUBGRID COMBUSTION MODELING FOR THE NEXT GENERATIO N NATIONAL COMBUSTION CODE
12/22/2001 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: S MENON
Tech. Officer: GRC/N LIU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2739 GEORGIA INST OF TECHNOLOGY 3928
DROP FORMULATION PROCESSES IN SOLIDS-LADON LIQUIDS DROP FORMULATION PROCESSES IN SOLIDS-LADON LIQUID
04/02/2002 - 03/31/2006 FY02: $0 Total: $0
Prin. Invest.: D MORRIS
Tech. Officer: GRC/H K NAHRA
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2763 GEORGIA INST OF TECHNOLOGY 3929
VIBE TECHNOLOGY FOR MICROGRAVITY HEAT TRANSFER APP LICATIONS
04/04/2002 - 03/31/2006 FY02: $0 Total: $0
Prin. Invest.: M K SMITH
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 4190 GEORGIA INST OF TECHNOLOGY 3930
LABORATORY EVALUATION AND APPLICATION OF MICROWAVE UNDER SIMULATED CONDITIONS FOR PLANETARY ATMOSPHE
06/10/1997 - 12/31/2001 FY02: $0 Total: $432,851
Prin. Invest.: D G STEFFES
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERICSCIENCE

NAG 5 7420 GEORGIA INST OF TECHNOLOGY 3931
ANALYSIS OF USER ASSISTANCE REQUESTS AT THE NASA G ODDARD DISTRIBUTED ACTIVE ARCHIVE CENTER
06/09/1998 - 05/31/2002 FY02: $0 Total: $210,000
Prin. Invest.: C MITCHELL
Tech. Officer: GSFC/W TRUSZOKWSKI
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 7519 GEORGIA INST OF TECHNOLOGY 3932
APPRENTICE - INCREMENTAL PASS AUTOMATION INITIAL P ROTOTYPE AND EVALUATION WITH TRACE
06/16/1998 - 05/31/2002 FY02: $0 Total: $90,000
Prin. Invest.: C MITCHELL
Tech. Officer: GSFC/J CATENA
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 7682 GEORGIA INST OF TECHNOLOGY 3933
GLOBAL DISTRIBUTION OF OF TROPOSPHERIC AEROSOLS:A 3-D MODEL ANALYSIS OF SATELITE DATA.
09/09/1998 - 08/31/2002 FY02: $0 Total: $287,506
Prin. Invest.: M CHIN
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8698 GEORGIA INST OF TECHNOLOGY 3934
QUANTIFYING THE RELATIONSHIP BETWEEN REMOTELY- SENSED & MODELED SOIL MOISTURE
09/14/1999 - 06/30/2002 FY02: $0 Total: $142,030
Prin. Invest.: C D PETERS-LIDARD
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8880 GEORGIA INST OF TECHNOLOGY 3935
PROJECT TO INTERFACE CLIMATE MODELING ON GLOBAL & REGIONAL SCALES WITH EARTH OBSERVING SYSTEM (EOS)
11/24/1999 - 12/31/2001 FY02: $0 Total: $677,654
Prin. Invest.: R E DICKINSON
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8931 GEORGIA INST OF TECHNOLOGY 3936
LABORATORY INVESTIGATIONS OF STRATOSPHERIC & UPPER TROPOSPHERIC CHEMISTRY
01/19/2000 - 12/31/2002 FY02: $0 Total: $340,826
Prin. Invest.: P H WINE
Tech. Officer: GSFC/M KURYLO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9868 GEORGIA INST OF TECHNOLOGY 3937
THE YANGTZE DELTA OF CHINA AS AN ENVOLVING METRO- AGRO-PLEX (MAP)
08/09/2000 - 10/31/2001 FY02: $0 Total: $250,000
Prin. Invest.: W L CHAMEIDES
Tech. Officer: GSFC/A J TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10209 GEORGIA INST OF TECHNOLOGY 3938
IMPROVING THE REPRESENTATION OF LAND IN CLIMATE MODELS BY APPLICATION OF EOS OBSERVATIONS
12/29/2000 - 12/31/2003 FY02: $0 Total: $500,000
Prin. Invest.: R DICKINSON
Tech. Officer: GSFC/Y SUD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10374 GEORGIA INST OF TECHNOLOGY 3939
DIAGNOSTIC STUDIES OF SHORT-TERM CLIMATE VARIABILI TY IN NASA/GSFC GENERAL CIRCULATION MODELS
03/17/2001 - 03/31/2004 FY02: $0 Total: $85,000
Prin. Invest.: R X BLACK
Tech. Officer: GSFC/S SCHUBERT
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10632 GEORGIA INST OF TECHNOLOGY 3940
COMPARISON OF INTERSTELLER AND INTERPLANETARY DUST
03/17/2001 - 06/30/2002 FY02: $0 Total: $50,000
Prin. Invest.: J BRADLEY
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11063 GEORGIA INST OF TECHNOLOGY 3941
VARIABILITY OF AEROSOL DISTRIBUTION AND OPTICAL PROPERTIES SIMULATED BY GOCART MODEL USING TOMS
06/26/2001 - 06/30/2002 FY02: $0 Total: $61,170
Prin. Invest.: P GINOUX
Tech. Officer: GSFC/R MCPETERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11479 GEORGIA INST OF TECHNOLOGY 3942
AEROSOL, CHEMISTRY AND RADIATIVE FORCING: A 3-D M ODEL ANALYSIS OF SATELLITEAND ACE-ASIA DATA
12/21/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: M CHIN
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11671 GEORGIA INST OF TECHNOLOGY 3943
INVESTIGATING THE INFLUENCES OF CHANGES IN CONVECT ION TYPES & BOUNDARY LAYER CLOUDS ON INTRASEASON
01/28/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: R FU
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12122 GEORGIA INST OF TECHNOLOGY 3944
LABORATORY EVALUATION AND APPLICATION OF MICROWAVE ABSORP- TION PROPERTIESUNDER SIMULATED CONDITIONS
04/29/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: P G STEFFES
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12256 GEORGIA INST OF TECHNOLOGY 3945
"CHARAC & GLOB IMPACT OF AEROSOLS FROM S. AFRICA & E. ASIA: 3D MODEL ANAL DATA
06/17/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M CHIN
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12268 GEORGIA INST OF TECHNOLOGY 3946
RADIATION EFFECTS IN SIGE HBT BICMOS TECHNOLOGY
06/25/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: J D CRESSLER
Tech. Officer: GSFC/R A REED
CASE Category: 13 – PHYSICS

NAG 5 12498 GEORGIA INST OF TECHNOLOGY 3947
GLOBAL MODELING AND ANALYSIS OF NONMETHANE HYDRO- CARBONS, OXYGENATED HYDROCARBONS, AND ANTHROPOGE
08/29/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: Y WANG
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12545 GEORGIA INST OF TECHNOLOGY 3948
REFINED UNDERSTANDING OF THE INTERACTION OF ARCTIC CLOUDS AND SEA ICE INREGULATING THE REGIONAL ENE
09/06/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: J A CURRY
Tech. Officer: GSFC/W B ROSSOW
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1245 GEORGIA INST OF TECHNOLOGY 3949
EFFECT OF GRAVITY ON THE EVOLUTION OF SPATIAL ARRANGEMENT OF FEATURES IN MICROSTRUCTURES
05/10/1996 - 05/09/2001 FY02: $0 Total: $320,000
Prin. Invest.: A M GOKHALE
Tech. Officer: MSFC/P DOTY, MSFC/R POWER
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1597 GEORGIA INST OF TECHNOLOGY 3950
R/S CONCEPTUAL DESIGN FOR ADVANCED SPACE TRANS- PORTATION SYSTEMS
12/16/1998 - 12/15/2001 FY02: $10,000 Total: $399,850
Prin. Invest.: J R OLDS
Tech. Officer: MSFC/J J HUTT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1638 GEORGIA INST OF TECHNOLOGY 3951
RESEARACH ENTITLED: "FAULT TOLERANT NONLINEAR ADAPTATIVE FLIGHT CONTROL FOR THE X-33"
09/24/1999 - 12/31/2002 FY02: $0 Total: $202,275
Prin. Invest.: A CALISE
Tech. Officer: MSFC/R DABNEY, MSFC/J HANSON
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1713 GEORGIA INST OF TECHNOLOGY 3952
STUDY OF DEPLOYMENT OPTIONS AND EXPLORATION USES F FOR SPACE SOLAR POWER
03/01/2000 - 01/31/2002 FY02: $0 Total: $149,999
Prin. Invest.: J OLDS
Tech. Officer: MSFC/J HOWELL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1819 GEORGIA INST OF TECHNOLOGY 3953
PERMEABILITY TESTING OF IMPACTED COATED COMPOSITE LAMINATES
05/21/2001 - 08/31/2002 FY02: $0 Total: $68,616
Prin. Invest.: W S JOHNSON
Tech. Officer: MSFC/A NETTLES
CASE Category: 47 – METAL & MATERIALS ENGR

NAS 1 00087 GEORGIA INST OF TECHNOLOGY 3954
RESEARCH IN ACOUSTICS & NOISE CONTROL FOR AIRCRAFT AND SPACE TRANSPORTATION VEHICLES
05/01/2000 - 04/30/2005 FY02: $0 Total: $522,876
Prin. Invest.: K K AHUJA, D E PAREKH, R J ENGLAR
Tech. Officer: LARC/L R CLARK
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 1 02056 GEORGIA INST OF TECHNOLOGY 3955
ELECTROMAGNETIC SYSTEMS
12/27/2001 - 12/26/2006 FY02: $0 Total: $0
Prin. Invest.: G HOPKINS
Tech. Officer: LARC/T S DANIELS, LARC/R T NEECE
CASE Category: 45 – ELECTRICAL ENGR

NAS 1 18938 GEORGIA INST OF TECHNOLOGY 3956
SAGE III EXPERIMENT SCIENTIFIC SUPPORT/CUNNOLD
02/20/1990 - 01/31/2005 FY02: $0 Total: $657,700
Prin. Invest.: D M CUNNOLD
Tech. Officer: LARC/G L MADDREA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 99073 GEORGIA INST OF TECHNOLOGY 3957
R & D OF ELECTROMAGNETIC SYSTEMS
02/17/1999 - 02/16/2004 FY02: $0 Total: $1,491,656
Prin. Invest.: G GIMMESTAD
Tech. Officer: LARC/S D HARRAH
CASE Category: 45 – ELECTRICAL ENGR

NAS 3 00179 GEORGIA INST OF TECHNOLOGY 3958
SYSTEM STUIDES FOR NASA AEROSPACE PROPULSION AND AIRFRAME TECHNOLOGY
09/28/2000 - 09/27/2005 FY02: $0 Total: $50,000
Prin. Invest.: R E MCKINLEY, JR, J TAI, B ROTH
Tech. Officer: LARC/C M MEYERS, LARC/M T TONG
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 3 02110 GEORGIA INST OF TECHNOLOGY 3959
COMBUSTION DRIVEN ACTUTOR FOR JET NOISE REDUCTION NRA PHASE 1
03/05/2002 - 11/05/2002 FY02: $0 Total: $0
Prin. Invest.: K K AHUJA
Tech. Officer: GRC/J E BRIDGE, GRC/J E BRIDGES
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 3 02126 GEORGIA INST OF TECHNOLOGY 3960
REVOLUTIONARY/UNCONVENTIONAL AEROPROPULSION TECHNO LOGY
05/06/2002 - 02/05/2003 FY02: $0 Total: $0
Prin. Invest.: C TAM
Tech. Officer: GRC/K T PHAM
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 5 00171 GEORGIA INST OF TECHNOLOGY 3961
OZONE MONITORING INSTRUMENT (OMI) SCIENCE TEAM.
06/07/2000 - 10/31/2004 FY02: $0 Total: $170,015
Prin. Invest.: D M CUNNOLD
Tech. Officer: GSFC/J C RIVERA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS10 01025 GEORGIA INST OF TECHNOLOGY 3962
OPERATIONS/MAINT SOUTHEAST REGIONAL TECH TRANSFER CENTER
01/31/2001 - 01/31/2003 FY02: $0 Total: $1,200,000
Prin. Invest.: D BRIDGES, J MILLS, B HILL
Tech. Officer: KSC/C GRIFFIN, KSC/D MAKUFKA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 296 GEORGIA INST OF TECHNOLOGY 3963
MEASUREMENTS OF NO AND NO2 OVER THE TROPICAL PACIF IC
04/28/1998 - 05/31/2001 FY02: $0 Total: $550,217
Prin. Invest.: S T SANDHOLM
Tech. Officer: LARC/J M HOELL,JR., LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 301 GEORGIA INST OF TECHNOLOGY 3964
MEASUREMENT OF OH, H2SO4, MSA, NH3, AND DMSO ABOAR D THE P-3B AIRCRAFT
05/27/1998 - 05/31/2001 FY02: $0 Total: $574,683
Prin. Invest.: F L EISELE, R L MAULDIN
Tech. Officer: LARC/J L ROPER, LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 306 GEORGIA INST OF TECHNOLOGY 3965
TROPOSPHERIC DIAGNOSTIC MODELING STUDIES OF PEM- TROPICS B FIELD DATA: INVESTIGATION OF THE
07/10/1998 - 11/23/2001 FY02: $0 Total: $509,326
Prin. Invest.: D D DAVIS, G CHEN
Tech. Officer: LARC/J M HOELL, JR., LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 317 GEORGIA INST OF TECHNOLOGY 3966
MODELING AND DATA ANALYSIS OF PEM-TROPICS B OBSERVATIONS
08/17/1998 - 07/31/2001 FY02: $0 Total: $391,852
Prin. Invest.: S C LIU
Tech. Officer: LARC/J M HOELL, LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 375 GEORGIA INST OF TECHNOLOGY 3967
DOWNSIZING OF GATECH'S AIRBORNE FLUORESCENCE (AFS) FOR THE MEASUREMENT OF NITROGENOXIDES
02/10/2000 - 05/18/2001 FY02: $0 Total: $247,809
Prin. Invest.: H W GUAN, S T SANDHOLM
Tech. Officer: LARC/J L RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 401 GEORGIA INST OF TECHNOLOGY 3968
HUMAN FACTORS CONSIDERATIONS FOR SAFE RECOVERY FROM FAULTS IN FLIGHT CONTROL SYSTEMS
06/08/2000 - 06/14/2003 FY02: $0 Total: $157,006
Prin. Invest.: A R PRITCHETT
Tech. Officer: LARC/C M BELCASTRO
CASE Category: 49 – ENGINEERING, OTHER

NCC 1 411 GEORGIA INST OF TECHNOLOGY 3969
RAPID MEASUREMENTS OF AEROSOL IONIC COMPOSITION AN D 3-10 NM PARTICLE SIZE DISTRIBUTIONS ON THE NASA
09/14/2000 - 03/01/2003 FY02: $0 Total: $338,672
Prin. Invest.: R J WEBER
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 417 GEORGIA INST OF TECHNOLOGY 3970
MEASUREMENTS OF NO AND NO2_FROM THE ASIAN OUTFLOW INTO THE WESTERM PACIFIC
09/27/2000 - 09/30/2003 FY02: $0 Total: $361,919
Prin. Invest.: S T SANDHOLM
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 421 GEORGIA INST OF TECHNOLOGY 3971
MEASUREMENT OF OH, H2SO4, MSA, AND HN03 ABOARD THE P-3B AIRCRAFT
09/26/2000 - 06/30/2003 FY02: $0 Total: $287,859
Prin. Invest.: F L EISELE
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 01024 GEORGIA INST OF TECHNOLOGY 3972
TROPOSPH MODELG STUDIES TRACE-P FIELD DATA: INVEST HOX/NOX/03 PHOTOCHEM SYS COUPL'G TO SULFUR/AEROSO
01/29/2001 - 11/30/2003 FY02: $0 Total: $149,710
Prin. Invest.: D D DAVIS
Tech. Officer: LARC/V E DELUORE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 02031 GEORGIA INST OF TECHNOLOGY 3973
EXPERIMENTAL & ANALYTICAL DEVELOPMENT & EVALUATION OF ADVANCED CIRCULATION CONTROLPNEUMATIC CONFIGU
06/10/2002 - 06/09/2005 FY02: $0 Total: $0
Prin. Invest.: R J ENGLAR, L N SANKAR
Tech. Officer: LARC/G S JONES, LARC/M D MOORE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 945 GEORGIA INST OF TECHNOLOGY 3974
ROTORCRAFT CENTERS OF EXCELLENCE
05/03/1996 - 02/28/2001 FY02: $0 Total: $5,830,069
Prin. Invest.: D C SCHRAGE, D A PETERS, K B BOTA
Tech. Officer: ARC/Y H YU, ARC/J M DAVIS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 961 GEORGIA INST OF TECHNOLOGY 3975
MODELING, TRAINING, AND AIDING IN AEROSPACE SYSTEM S
07/18/1996 - 05/31/2002 FY02: $0 Total: $571,333
Prin. Invest.: C M MITCHELL
Tech. Officer: ARC/E A PALMER, ARC/K CORKER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1124 GEORGIA INST OF TECHNOLOGY 3976
HOW PROFESSIONAL PILOTS PERCEIVE & RESPOND TO AMIB GUOUS & UNCERTAIN DECISION SITUATIONS
07/01/1999 - 05/31/2003 FY02: $0 Total: $308,661
Prin. Invest.: U M FISCHER
Tech. Officer: ARC/J M ORASANU
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1193 GEORGIA INST OF TECHNOLOGY 3977
A PROBABILISTIC APPROACH TO TECHNOLOGY, IDENTIFICA TION, EVALUATION & SELECTION FOR LOW COST SPACE T
08/24/2000 - 09/14/2002 FY02: $0 Total: $178,381
Prin. Invest.: D N MAVRIS
Tech. Officer: ARC/M E LIVINGSTON
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1306 GEORGIA INST OF TECHNOLOGY 3978
AGENT BASED SIMULATION OF THE NATIONAL AIRSPACE SY STEM FOR SAFTEY ANALYSIS
02/26/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: A R PRITCHETT
Tech. Officer: ARC/I STATLER, ARC/M M CONNORS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1332 GEORGIA INST OF TECHNOLOGY 3979
DISTRIBUTED DECISION MAKING IN HIGH RISK AND HIGH STRESS ENVIRONEMNTS: A MODEL FOREXTENDED SPACE FL
04/18/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: U M FISCHER
Tech. Officer: ARC/J ORASANU
CASE Category: 62 – PSYCHOLOGY SOCIAL ASPECTS

NCC 2 5332 GEORGIA INST OF TECHNOLOGY 3980
EVALUATION OF ADVANCED THERMAL PROTECTION TECHNIQU ES FOR FUTURE REUSABLE LAUNCH VEHICLES
07/20/1999 - 06/30/2001 FY02: $0 Total: $50,752
Prin. Invest.: R OLDS
Tech. Officer: ARC/P KOLOZIEJ, ARC/D J RASKY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 711 GEORGIA INST OF TECHNOLOGY 3981
DAMAGE MECHANICS MODELING FOR LIFE PREDICTION OF U LTRA HIGH TEMPERATURE POLYMER MATRIX COMPOSITES
06/07/1999 - 12/31/2001 FY02: $0 Total: $279,974
Prin. Invest.: D TALREJA
Tech. Officer: GRC/J R ELLIS
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 900 GEORGIA INST OF TECHNOLOGY 3982
MICROMACHINED HIGH FREQUENCY CIRCUITS FOR SUBMILLI METER-WAVE SENSORS
06/28/2001 - 06/24/2003 FY02: $0 Total: $39,918
Prin. Invest.: D PAPAPOLYMEROU
Tech. Officer: GRC/G E PONCHAK
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 982 GEORGIA INST OF TECHNOLOGY 3983
UNIV RESEARCH, ENGINEERING & TECHNOLOGY INST
08/19/2002 - 08/18/2007 FY02: $0 Total: $0
Prin. Invest.: B T ZINN, D MAVRIS, J WILLIAMS
Tech. Officer: GRC/K T PHAM
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 8 253 GEORGIA INST OF TECHNOLOGY 3984
RESEARCH AND DEVELOPMENT NSSTC
02/11/2002 - 02/10/2007 FY02: $0 Total: $0
Prin. Invest.: J L GODDARD
Tech. Officer: MSFC/S COLEMAN, MSFC/C TALLEY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 02002 GEORGIA INST OF TECHNOLOGY 3985
GRADUATE STUDENT RESEARCHERS PROGRAM - GSRP
02/08/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: L A BOTTOMLEY
Tech. Officer: LARC/P T LILLEHEI
CASE Category: 12 – CHEMISTRY

NGT 1 02005 GEORGIA INST OF TECHNOLOGY 3986
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/21/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: D N MAVRIS
Tech. Officer: LARC/R E MCKINLEY, LARC/W M KIMMEL
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 02006 GEORGIA INST OF TECHNOLOGY 3987
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/22/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: D N MAVRIS
Tech. Officer: LARC/R E MCKINLEY, LARC/W M KIMMEL
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 02012 GEORGIA INST OF TECHNOLOGY 3988
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/24/2002 - 08/18/2005 FY02: $0 Total: $0
Prin. Invest.: J R OLDS, S R STEFFES
Tech. Officer: LARC/R D BRAUN
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 02019 GEORGIA INST OF TECHNOLOGY 3989
GRADUATE STUDENT RESEARCHERS PROGRAM
07/23/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: W S REES
Tech. Officer: LARC/E WEISER
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 1 52132 GEORGIA INST OF TECHNOLOGY 3990
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/06/1996 - 08/31/2001 FY02: $0 Total: $99,000
Prin. Invest.: A GLEZER, A GLEZER (ADVISOR)
Tech. Officer: LARC/R D JOSLIN
CASE Category: 46 – MECHANICAL ENGR

NGT 1 52162 GEORGIA INST OF TECHNOLOGY 3991
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/11/1997 - 06/30/2001 FY02: $0 Total: $66,001
Prin. Invest.: B V GIBBENS
Tech. Officer: LARC/J E GARDNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 52163 GEORGIA INST OF TECHNOLOGY 3992
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
09/03/1997 - 09/02/2001 FY02: $0 Total: $88,001
Prin. Invest.: J R OLDS, D W WAY
Tech. Officer: LARC/R A LEPSCH, LARC/L R ROWELL
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52170 GEORGIA INST OF TECHNOLOGY 3993
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
04/15/1997 - 01/01/2001 FY02: $0 Total: $66,001
Prin. Invest.: F MISTREE
Tech. Officer: LARC/T A ZANG
CASE Category: 46 – MECHANICAL ENGR

NGT 1 52225 GEORGIA INST OF TECHNOLOGY 3994
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) YEAR 1
10/28/1999 - 09/30/2001 FY02: $0 Total: $42,400
Prin. Invest.: W H REES
Tech. Officer: LARC/E WEISER, LARC/T ST. CLARA
CASE Category: 43 – CHEMICAL ENGR

NGT 2 52266 GEORGIA INST OF TECHNOLOGY 3995
FULLY AUTOMATED CARTESIAN GRID CFD APPLICATIONS FO R MDO IN HIGH - SPEED FLOWS
07/17/2000 - 08/14/2003 FY02: $0 Total: $44,000
Prin. Invest.: S M RUFFIN
Tech. Officer: ARC/M J AHOSMIS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 2 52274 GEORGIA INST OF TECHNOLOGY 3996
CENTERS OF EXCELLENCE IN ROTORCRAFT TECHNOLOGY
02/12/2001 - 01/31/2003 FY02: $0 Total: $780,000
Prin. Invest.: D P SCHRAGE, D A PETERS
Tech. Officer: ARC/Y H YU, ARC/AWKERR
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 3 52371 GEORGIA INST OF TECHNOLOGY 3997
GRADUATE STUDENT RESEARCHERS PROGRAM GRADUATE STUDENT RESEARCHERS PROGRAM
06/26/2000 - 08/31/2002 FY02: $0 Total: $31,600
Prin. Invest.: J H GINSBERG
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 46 – MECHANICAL ENGR

NGT 3 52384 GEORGIA INST OF TECHNOLOGY 3998
GRADUATE STUDENT RESEARCH PROGRAM: TECHNOLOGY FOR ECASTING APPLIED TO TURBINE-BASED COMBINED-CYCLE
07/19/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: D MAVRIS
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 3 52385 GEORGIA INST OF TECHNOLOGY 3999
GRADUATE STUDENT RESEARCHERS PROGRAM: FORMULATION AND IMPLEMENTATION OF A METHODOLOGY FOR THE ASSESS
07/19/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: D MARVIS
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 4 52434 GEORGIA INST OF TECHNOLOGY 4000
GRADUATE STUDENT RESEARCHERS PROGRAM - NONLINEAR H YBRID CONTROL FOR THERMOACOUSTIC COMBUSTION INSTA
06/14/2002 - 06/16/2003 FY02: $0 Total: $0
Prin. Invest.: W M HADDAD
Tech. Officer: DFRC/K GUPTA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 129 GEORGIA INST OF TECHNOLOGY 4001
TRAJECTORY PLANNING FOR COORDINATING SATELLITES US ING COMMAND GENERATION (STUDENT: ERIKA BIEDIGER)
06/04/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: W E SINGHOSE
Tech. Officer: GSFC/M S BURRELL
CASE Category: 46 – MECHANICAL ENGR

NGT 5 30384 GEORGIA INST OF TECHNOLOGY 4002
DEVELOPMENT OF A CHEMICAL IONIZATION MASS SPECTROM ETRY TECHNIQUE FOR MEASURINGATMOSPHERIC PERNI
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: L HUEY
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40116 GEORGIA INST OF TECHNOLOGY 4003
GEORGIA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/08/2001 - 02/28/2005 FY02: $0 Total: $680,352
Prin. Invest.: E ARMANIOS
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50284 GEORGIA INST OF TECHNOLOGY 4004
EXPLOITING TEMPORAL UNCERTAINTY IN SIMULATION MODELS
06/23/2000 - 07/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: R FUJIMOTO
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50330 GEORGIA INST OF TECHNOLOGY 4005
THE EFFECTS ON LAND SURFACE HETEROGENETIES ON AERO SOL CONCENTRATIONS IN CHINA & THEIR IMPACT ON REG
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: W L CHAMEIDES
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50363 GEORGIA INST OF TECHNOLOGY 4006
KINETIC FRICTION ON NON-COALESCING AND NON-WETTING DROPS/STUDENT: MARIA-ISABEL CARNASCIALI
06/12/2001 - 07/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: P NEITZEL
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52854 GEORGIA INST OF TECHNOLOGY 4007
DEVELOPMENT OF A TOOL FOR CONCEPTUAL DESIGN OF ROCKET BASED COMBINED CYCLE PROPULSION SYSTEMS
07/21/1998 - 08/14/2001 FY02: $0 Total: $66,000
Prin. Invest.: J R OLDS
Tech. Officer: MSFC/J F DOWDY
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 8 52881 GEORGIA INST OF TECHNOLOGY 4008
QUANTITATIVE CHARACTERIZATION OF GRAVITATIONAL EFFECTS ON THE EVOLUTION OF MICROSTRUCTURE.
09/14/1999 - 03/14/2002 FY02: $0 Total: $44,000
Prin. Invest.: A GOKHALE
Tech. Officer: MSFC/J DOWDY
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 8 52887 GEORGIA INST OF TECHNOLOGY 4009
DEV OF PREDICTIVE MODELS OF ADVANCED PROPULSION CONCEPTS FOR LOW COST SPACE TRANSPORATION
05/24/2000 - 08/01/2002 FY02: $0 Total: $44,000
Prin. Invest.: J SEITZMAN
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 49 – ENGINEERING, OTHER

NGT 8 52898 GEORGIA INST OF TECHNOLOGY 4010
A CAPABILITY TO GENERATE PHYSICS-BASED MASS ESTIMA TING RELA-TIONSHIPES FOR CONCEPTUAL SPACE VEHICLE
05/25/2001 - 08/01/2002 FY02: $0 Total: $22,000
Prin. Invest.: J OLDS
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 13 – PHYSICS

NGT13 52742 GEORGIA INST OF TECHNOLOGY 4011
RAPID MEASUREMENTS OF AEROSOL BULK COMPOSITION USING A PARTICLE INTO LIQUID SAMPLING SYSTEM
07/12/2000 - 01/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: K MAXWELL, R WEBER
Tech. Officer: SSC/R TRAVIS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT13 52750 GEORGIA INST OF TECHNOLOGY 4012
DYNAMIC FLUID FLOW SIMULATION AND VALIDATION OF E- 1 AND E-2 LIQUID OXYGEN HYRODENMODELS
06/18/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: R RIVERA
Tech. Officer: SSC/R HOLLAND
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11540 GEORGIA SOUTHERN UNIV 4013
GEOLOGIC MAPPING OF GENETIC ASTEROID FAMILITES: AN ALYSIS OF THE FACES DATABASE
01/03/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: M S KELLEY
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12445 GEORGIA SOUTHERN UNIV 4014
COMPOSITIONAL INVESTIGATION AND GENETIC TESTING OF DYNAMICAL ASTEROID FAMILIES
08/14/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: M S KELLEY
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 254 GEORGIA SOUTHERN UNIV 4015
"PHYSICAL PROPERTIES OF PLANETARY MOLECULES", GSFC CONTROL NUMBER 5-3326
10/30/1997 - 10/31/2000 FY02: $0 Total: $83,883
Prin. Invest.: R NELSON
Tech. Officer: GSFC/J ALLEN
CASE Category: 12 – CHEMISTRY

NAG 5 4950 GEORGIA STATE UNIV 4016
WAVELENGTH-TUNABLE NOVEL SEMICONDUCTOR FIR DETECTO RE-SEARCH
06/23/1997 - 12/31/2001 FY02: $0 Total: $158,000
Prin. Invest.: D PERERA
Tech. Officer: GSFC/H THRONSON
CASE Category: 11 – ASTRONOMY

NAG 5 6904 GEORGIA STATE UNIV 4017
CROSS-CORRELATION ANALYSIS OF UV PROFILE VARIATIO NS AND NON-RADIAL PULSATIONS IN BESTARS
02/06/1998 - 12/31/2001 FY02: $0 Total: $65,300
Prin. Invest.: D GIES
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7752 GEORGIA STATE UNIV 4018
PHOTOIONIZATION AND RELATED DIELECTRONIC/RADIATIVE RECOMBINA-TION AND ELASTIC SCATTERING CROSS SE
11/25/1998 - 09/30/2002 FY02: $0 Total: $146,100
Prin. Invest.: S T MANSON
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NCC 2 5479 **GEORGIA STATE UNIV** **4019**
THE CTIOPI EFFORT TO DISCOVER NEARBY SOUTHERN STAR S
02/07/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: T J HENRY
Tech. Officer: ARC/T P GREENE, ARC/J BREGMEN
CASE Category: 11 – ASTRONOMY

NAG 2 1416 **MEDICAL COLL OF GEORGIA** **4020**
CELLULAR & MOLECULAR MECHANISMS MEDIATING RAPID RE SEALING OF GRAVITY-INDUCED PLASMA MEMBRANE DISRUP
07/12/2000 - 06/30/2003 FY02: $0 Total: $457,166
Prin. Invest.: P L MCNEIL
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1636 **MOREHOUSE COLL** **4021**
"USING THE NASA ROTATING BIOREACTOR TO STUDY ROLE OF NITRIC OXIDE IN BREAST-INDUCED ANGIOGENESIS"
09/30/1999 - 06/30/2002 FY02: $0 Total: $221,635
Prin. Invest.: G L SANFORD
Tech. Officer: MSFC/R RICHMOND
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NAG 8 1711 **MOREHOUSE COLL** **4022**
STRATEGIC PREPAREDNESS ADVANCING CAREERS IN INGINEERING/SCIENCES (SPACE)
03/29/2000 - 03/28/2003 FY02: $0 Total: $3,040,303
Prin. Invest.: J KING
Tech. Officer: MSFC/W LOVE
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 964 **MOREHOUSE COLL** **4023**
SIMULATED MOCROGRAVITY ...
09/25/1997 - 06/01/2002 FY02: $0 Total: $300,000
Prin. Invest.: K DUTT
Tech. Officer: JSC/K KRISHEN
CASE Category: 56 – MEDICL

NAG 2 1215 **MOREHOUSE SCHOOL MED** **4024**
PRE-METARSAL DIFFERENTIATION & MINERALIZATION
05/04/1998 - 06/30/2001 FY02: $0 Total: $100,789
Prin. Invest.: B J KLEMENT
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1381 **MOREHOUSE SCHOOL MED** **4025**
BONE & CALCIUM METABOLISM IN DAHL SALT SENSITIVE & SALT RESESTANT RATS WITH UNLOADED HINDLIMBS
09/03/1999 - 08/31/2003 FY02: $0 Total: $129,499
Prin. Invest.: M THIERRY-PALMER
Tech. Officer: ARC/A J CARDENAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1448 **MOREHOUSE SCHOOL MED** **4026**
CHONDROCYTE DIFFERENTIATION & MATURATION IN HYPERG RAVITY
09/29/2000 - 09/30/2003 FY02: $1 Total: $191,607
Prin. Invest.: B J KLEMENT
Tech. Officer: ARC/C E WADE, ARC/B J COLLINS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2611 **MOREHOUSE SCHOOL MED** **4027**
GRAVITATIONAL EFFECTS ON NUTRIENT DIFFUSION THROUG H CARTILAGE MATRIX
05/22/2001 - 07/31/2005 FY02: $0 Total: $30,000
Prin. Invest.: D J KLEMENT
Tech. Officer: GRC/D W GRIFFIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 963 **MOREHOUSE SCHOOL MED** **4028**
GRAVITY-INDUCED CHANGES ON THE STERIDOGENSIS ...
09/25/1997 - 09/30/2001 FY02: $0 Total: $299,966
Prin. Invest.: R SRIDARAN
Tech. Officer: JSC/K KRISHEN
CASE Category: 56 – MEDICL

NAG 9 1164 **MOREHOUSE SCHOOL MED** **4029**
TISSUE ENGINEERING OF HUMAN RETINA IN NASA BIOREATOR FOR TRANSPLANT
10/01/1999 - 01/02/2003 FY02: $0 Total: $199,999
Prin. Invest.: K DUTT
Tech. Officer: JSC/C SAMS
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1262 **MOREHOUSE SCHOOL MED** **4030**
JOINT RESEARCH ON SPACE-RELATED BIOLOGICAL ISSUES
05/07/2001 - 12/31/2002 FY02: $0 Total: $150,000
Prin. Invest.: G SONNENFELD, M THIERRY-PALMER
Tech. Officer: ARC/S M HING, ARC/O SANTOS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 1322 **MOREHOUSE SCHOOL MED** **4031**
TELEMEDICINE APPLICATION OF AUTOGENIC FEEDBACK TRA ININGEXERCISE AS A TREATMENT FOR SPECIFICPATIEN
03/14/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: E OFILI
Tech. Officer: ARC/P COWLINGS, ARC/B TOSCANO
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 9 112 **MOREHOUSE SCHOOL MED** **4032**
SPACE MEDICINE
09/26/2000 - 06/30/2005 FY02: $0 Total: $1,200,000
Prin. Invest.: M THIERRY-PALMER
Tech. Officer: JSC/C SAMS, JSC/G HENDERSEN
CASE Category: 56 – MEDICL

NAG 5 9157 **PAINE COLL** **4033**
PRE-COLL ENRICHMENT PROGRAM IN MATHEMATICS SCIENCE, ENGINEERING AND TECHNOLOGY
03/03/2000 - 02/28/2002 FY02: $0 Total: $200,000
Prin. Invest.: R KESSLER
Tech. Officer: GSFC/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2241 **SAVANNAH STATE UNIV** **4034**
RENEWABLE ENERGY SCADE/TRAINING USING ACTS RENEWABLE ENERGY SCADE/TRAINING USING ACTS
03/17/1999 - 10/29/2001 FY02: $0 Total: $212,086
Prin. Invest.: D KALU
Tech. Officer: GRC/R J ACOSTA
CASE Category: 49 – ENGINEERING, OTHER

NAG10 266 **SAVANNAH STATE UNIV** **4035**
HIGH SCHOOL/HIGH TECH PROGRAM A PARTNERSHIP OF SSU WITH THE GEORGIA COMMITTEE ON EMPLOYMENT OF PEOP
09/01/1999 - 03/30/2002 FY02: $0 Total: $199,942
Prin. Invest.: D SAJWAN
Tech. Officer: KSC/R J MCKINNEY
CASE Category: 79 – SOCIAL SCIENCE, OTHER

NAG 3 2486 **SPELMAN COLL** **4036**
DEVELOPMENT OF A PROBE FOR DETERMINING FUEL-TO-OXY GEN RATIOS IN AIRPLANE FUEL TANKS
09/01/2000 - 08/31/2001 FY02: $0 Total: $42,000
Prin. Invest.: D CHEN
Tech. Officer: GRC/Q NGUYEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2758 **SPELMAN COLL** **4037**
CONTINUED DEVELOPMENT OF A PROBE FOR DETERMINING F UEL-TO-OXYGEN RATIOS IN AIRPLANE FUEL TANKS
03/29/2002 - 02/18/2003 FY02: $0 Total: $0
Prin. Invest.: D C CHEN
Tech. Officer: GRC/Q NGUYEN
CASE Category: 12 – CHEMISTRY

NAG 8 1635 **SPELMAN COLL** **4038**
FIFTH ANNUAL MODEL INST FOR EXCELLANCE CONFERENCE
09/29/1999 - 11/29/2000 FY02: -$39,515 Total: $398,816
Prin. Invest.: E FALCONER
Tech. Officer: MSFC/W LOVE, MSFC/A C BEAM
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1712 **SPELMAN COLL** **4039**
WOMEN IN SCIENCES AND ENGINEERING SCHOLARS PROGRAM
05/15/2000 - 03/31/2003 FY02: $0 Total: $3,000,000
Prin. Invest.: C GILLYARD
Tech. Officer: MSFC/W LOVE
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 758 **SPELMAN COLL** **4040**
DEVELOPMENT OF A NOVEL MULTI-COMPONENT PROBE FOR C OMBUSTION AND PROPULSION DIAGNOSTICS
12/30/1999 - 01/31/2002 FY02: $0 Total: $158,420
Prin. Invest.: D C CHEN
Tech. Officer: GRC/Q NGUYEN
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 8 194 **SPELMAN COLL** **4041**
CRYSTAL ENGINEERING OF NONLINEAR OPTICAL COMPOUNDS NEW APPROACH FOR PREDICTING HYPERPOLARIZABILITIES
09/30/1999 - 09/30/2002 FY02: $0 Total: $298,134
Prin. Invest.: O SCRIVEN
Tech. Officer: MSFC/D O FRAIZER
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 8 227 **SPELMAN COLL** **4042**
SPLEMAN COLL MODEL INSITUTIONS FOR EXCELLENCE
06/26/2001 - 06/26/2006 FY02: $0 Total: $1,508,300
Prin. Invest.: A THOMPSON
Tech. Officer: MSFC/W LOVE, MSFC/E ORDONEZ
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 8376 **UNIV OF GEORGIA** **4043**
THE ROLE OF TRANSLUCENT CLOUDS IN GALACTIC STAR FORMATION (LTSA98)
03/09/1999 - 03/14/2002 FY02: $0 Total: $60,000
Prin. Invest.: L MAGNANI
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8425 **UNIV OF GEORGIA** **4044**
NLTE MODEL ATMOSPHERES FOR VERY LOW MASS STARS (LT SA98)
05/10/1999 - 05/14/2003 FY02: $0 Total: $212,115
Prin. Invest.: P H HAUSCHILDT
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8469 **UNIV OF GEORGIA** **4045**
THE EVALUATION OF SNOW WATER EQUIVALENT ACROSS GRA SSLAND REGIONS
05/06/1999 - 06/30/2002 FY02: $0 Total: $90,185
Prin. Invest.: T L MOTE
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8951 **UNIV OF GEORGIA** **4046**
TEMPERATURE DEPENDENT ELECTRON RECOMBINATION RATES & SPECTRAL SIGNATURESOF ION REACTIONS RELEVANT TO
01/21/2000 - 08/31/2003 FY02: $0 Total: $85,000
Prin. Invest.: N G ADAMS
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9088 **UNIV OF GEORGIA** **4047**
ULTRAVIOLET & VISIBLE EMISSION MECHANISMS IN ASTRO PHYSICS
02/23/2000 - 01/31/2003 FY02: $0 Total: $143,766
Prin. Invest.: P C STANCIL
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9222 **UNIV OF GEORGIA** **4048**
NON-LTE MODEL ATMOSPHERES OF HOT STARS WITH WINDS
04/05/2000 - 04/14/2003 FY02: $0 Total: $156,499
Prin. Invest.: P H HAUSCHILDT
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10551 **UNIV OF GEORGIA** **4049**
MODELING OF EXTRASOLAR GIANT PLANETS WITH IMPROVED MOLECULAR LINE OPACITIES, CONTINUUM OPACITIES, CO
03/09/2001 - 03/14/2004 FY02: $0 Total: $60,000
Prin. Invest.: P C STANCIL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11453 **UNIV OF GEORGIA** **4050**
CHARGE TRANSFER CALCULATIONS FOR ASTROPHYSICS
12/06/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: P C STANCIL
Tech. Officer: GSFC/H HASAN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11592 UNIV OF GEORGIA 4051
A HYBRID APPROACH FOR EVALUATING AND PREDICTING IN TERACTIONS BETWEEN THESEASONAL SNOW PACK AND THE
01/15/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: T L MOTE
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1771 UNIV OF GEORGIA 4052
COMPUTER SIULATIONS OF CONFINED QUANTUM SYSTEMS IN MICRO-GRAVITY
05/01/2001 - 01/31/2004 FY02: $0 Total: $60,000
Prin. Invest.: D P LANDAU
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1110 UNIV OF GEORGIA 4053
CONTROLLED GROWTH OF BIOLOGIC AND ABIOTIC CARBONATES AND-FEOXIDES
05/14/1999 - 05/13/2002 FY02: $0 Total: $30,000
Prin. Invest.: C S ROMANEK
Tech. Officer: JSC/E K GIBSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 02003 UNIV OF GEORGIA 4054
CARBON FROM COMMUNITIES: A SATELLITE VIEW CARBON FROM COM-MUNITIES: A SATELLITE VIEW
11/08/2001 - 11/06/2004 FY02: $0 Total: $0
Prin. Invest.: C L NEELY
Tech. Officer: SSC/G CARTER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 8 233 UNIV OF GEORGIA 4055
ONE SHARE OF SYNCHROTRON BEAM TIME FROM THE SOUTH EASTRE-GIONAL COLLABROATIVE ACCESS TEAM (SER-CAT)
09/13/2001 - 03/18/2006 FY02: $0 Total: $375,000
Prin. Invest.: B WANG
Tech. Officer: MSFC/C KUNDROT
CASE Category: 59 – LIFE SCIENCE, OTHER

NGT 5 50427 UNIV OF GEORGIA 4056
QUANTIFYING THE ROLE OF THE WESTERN TROPICAL ATLAN TIC OCEAN IN GLOBAL INORGANIC CARBON BUDGETS: I
08/20/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: P YAGER
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

HAWAII

NAG 2 1374 UNIV OF HAWAII AT MANOA - HONOLULU 4057
THE EVOLUTIONARY ORIGIN & DEPLOYMENT OF HOX & PARA HOX GENES IN METAZOA
08/12/1999 - 07/31/2003 FY02: $0 Total: $317,888
Prin. Invest.: M Q MARTINDALE
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1519 UNIV OF HAWAII AT MANOA - HONOLULU 4058
THE EVOLUTION OF GRAVITY RECEPTION IN THE METAZOA
08/28/2001 - 08/31/2003 FY02: $0 Total: $219,272
Prin. Invest.: M Q MARTINDALE
Tech. Officer: ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 6057 UNIV OF HAWAII AT MANOA - HONOLULU 4059
MAUNA KEA ASTRONOMY EDUCATION CENTER
06/14/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: G JACOB
Tech. Officer: ARC/R MANCINI
CASE Category: 11 – ASTRONOMY

NAG 5 3370 UNIV OF HAWAII AT MANOA - HONOLULU 4060
TWO EXTREMELY RED GALAXIES
09/06/1996 - 08/14/2001 FY02: $0 Total: $578,500
Prin. Invest.: R D JOSEPH
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 3451 UNIV OF HAWAII AT MANOA - HONOLULU 4061
ANALYSIS OF VOLCANIC ERUPTIONS AND FIRES USING LAN DSAT 7
10/07/1996 - 06/30/2002 FY02: $0 Total: $294,131
Prin. Invest.: FLYNN
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 3766 UNIV OF HAWAII AT MANOA - HONOLULU 4062
MINERALOGICAL MAPPING OF THE MOON
02/20/1997 - 09/30/2001 FY02: $0 Total: $487,750
Prin. Invest.: P G LUCEY
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3875 UNIV OF HAWAII AT MANOA - HONOLULU 4063
REGIONAL PLANETARY IMAGE CENTER
02/10/1997 - 11/14/2001 FY02: $0 Total: $197,785
Prin. Invest.: E R HAWKE
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4150 UNIV OF HAWAII AT MANOA - HONOLULU 4064
VOLATILE EVOLUTION
04/02/1997 - 10/31/2000 FY02: $0 Total: $340,000
Prin. Invest.: F P FANALE
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4212 UNIV OF HAWAII AT MANOA - HONOLULU 4065
ORIGIN OF METEORITE PARENT BODIES AND THE MOON
03/19/1997 - 11/30/2002 FY02: $0 Total: $1,812,200
Prin. Invest.: D KEIL
Tech. Officer: GSFC/D NAVA
CASE Category: 12 – CHEMISTRY

NAG 5 4223 UNIV OF HAWAII AT MANOA - HONOLULU 4066
OBSERVATION AND ANALYSIS OF JOVIAN AND SATURNIAN S
03/26/1997 - 09/14/2001 FY02: $0 Total: $32,000
Prin. Invest.: D J THOLEN
Tech. Officer: GSFC/W HUEBNER
CASE Category: 11 – ASTRONOMY

NAG 5 4257 UNIV OF HAWAII AT MANOA - HONOLULU 4067
MAPPING HAZARDOUS VOLCANOES WITH RADARSAT AND OTHE
04/10/1997 - 02/28/2001 FY02: $0 Total: $60,000
Prin. Invest.: P MOUGINIS-MARK
Tech. Officer: GSFC/R H THOMAS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4395 UNIV OF HAWAII AT MANOA - HONOLULU 4068
A GLOBAL ASSESSMENT OF ACTIVE VOLCANISM, VOLCANIC INPUTS TO THE ATMOSPHERE FROM THE EARTH OBSERVING
05/06/1997 - 12/31/2000 FY02: $0 Total: $1,050,945
Prin. Invest.: P J MOUGINIS-MARK
Tech. Officer: GSFC/M BALTUCK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4495 UNIV OF HAWAII AT MANOA - HONOLULU 4069
DISTANT COMETS IN THE EARLY SOLAR SYSTEM
05/06/1997 - 03/31/2003 FY02: $0 Total: $430,185
Prin. Invest.: D J MEECH
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 4524 UNIV OF HAWAII AT MANOA - HONOLULU 4070
OBSERVATIONS OF PLANET-CROSSING ASTEROIDS
05/28/1997 - 08/31/2002 FY02: $0 Total: $220,894
Prin. Invest.: D J THOLEN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 4669 UNIV OF HAWAII AT MANOA - HONOLULU 4071
THE SOLAR SYSTEM BEYOND NEPTUNE
06/17/1997 - 12/31/2001 FY02: $0 Total: $272,495
Prin. Invest.: D C JEWITT
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 4941 UNIV OF HAWAII AT MANOA - HONOLULU 4072
OBSERVATIONAL INVESTIGATION OF THE SOLAR INTERIOR
06/23/1997 - 02/28/2003 FY02: $0 Total: $1,185,309
Prin. Invest.: J R KUHN
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 5276 UNIV OF HAWAII AT MANOA - HONOLULU 4073
PHASE 1 OF CORAL REEF ECOSYSTEM PHASE 1 OF CORAL REEF ECOSYSTEM
04/17/2000 - 04/13/2005 FY02: $0 Total: $291,000
Prin. Invest.: M ATKINSON
Tech. Officer: GSFC/D L PIERCE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6336 UNIV OF HAWAII AT MANOA - HONOLULU 4074
A COMPARATIVE STUDY OF X-RAY & LENSING MASS DETERM INATIONS FOR THE MOST X-RAY LUMINOUS CLUSTERS IN
10/02/1997 - 03/14/2001 FY02: $0 Total: $17,800
Prin. Invest.: H EBELING
Tech. Officer: GSFC/J SWANK
CASE Category: 11 – ASTRONOMY

NAG 5 6340 UNIV OF HAWAII AT MANOA - HONOLULU 4075
AIRCRAFT RADIATION & AEROSOL MSMTS. NEAR HAWAII: SATELLITE VALIDATION AT THE MOBY BUOY & THE HOT SI
10/02/1997 - 05/31/2002 FY02: $0 Total: $846,282
Prin. Invest.: J N PORTER
Tech. Officer: GSFC/D O STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6561 UNIV OF HAWAII AT MANOA - HONOLULU 4076
SPECTROSCOPIC OBSERVATIONS OF THE PLANETS
12/09/1997 - 03/31/2003 FY02: $0 Total: $159,000
Prin. Invest.: D OWEN
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 6829 UNIV OF HAWAII AT MANOA - HONOLULU 4077
OUTER SOLAR SYSTEM NOMENCLATURE
01/15/1998 - 01/14/2003 FY02: $0 Total: $14,750
Prin. Invest.: T OWEN
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7038 UNIV OF HAWAII AT MANOA - HONOLULU 4078
WEAK LENSING FROM SPACE_- ATP
02/24/1998 - 03/31/2003 FY02: $0 Total: $246,327
Prin. Invest.: N KAISER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 7056 UNIV OF HAWAII AT MANOA - HONOLULU 4079
SUBMILLIMETER STUDIES OF COMETS
02/27/1998 - 02/28/2002 FY02: $0 Total: $123,564
Prin. Invest.: D JEWITT
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7139 UNIV OF HAWAII AT MANOA - HONOLULU 4080
REMOTE RAMAN ANALYSIS FOR PLANETARY LANDERS
03/04/1998 - 03/31/2002 FY02: $0 Total: $417,763
Prin. Invest.: S K SHARMA
Tech. Officer: GSFC/B CAMPBELL
CASE Category: 11 – ASTRONOMY

NAG 5 7383 UNIV OF HAWAII AT MANOA - HONOLULU 4081
"ARCHITECTURE AND IMPLEMENTATION CONSIDERATION OF A HIGH-SPEED VIBERBI DECODER FOR REED-MULLER SUBC
05/12/1998 - 09/14/2002 FY02: $0 Total: $249,000
Prin. Invest.: M FOSSORIER
Tech. Officer: GSFC/P H YEHLER
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 7513 UNIV OF HAWAII AT MANOA - HONOLULU 4082
HYPERSPECTRAL REMOTE SENSING OF CORAL REEFS IN A T ROPICAL ESTUARY
07/28/1998 - 09/30/2001 FY02: $0 Total: $230,712
Prin. Invest.: M J ATKINSON
Tech. Officer: GSFC/J W CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7578 UNIV OF HAWAII AT MANOA - HONOLULU 4083
FUNDING FOR 'POST-ERUPTION HAZARDS AT MT. PINATUBO , PHILIPPINES' (SENH98-0118)
08/04/1998 - 07/31/2002 FY02: $0 Total: $717,500
Prin. Invest.: P J MOUGINIS-MARK
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7730 UNIV OF HAWAII AT MANOA - HONOLULU 4084
INTERACTIVE TEACHING USING LANDSAT 5 AND LANDSAT 7 DATA
09/29/1998 - 06/14/2002 FY02: $0 Total: $90,533
Prin. Invest.: L P FLYNN
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7855 UNIV OF HAWAII AT MANOA - HONOLULU 4085
THERMAL INFRARED MEASUREMENTS OF THE MOON AND MERC URY
12/07/1998 - 11/30/2002 FY02: $0 Total: $171,584
Prin. Invest.: D G LUCEY
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7963 UNIV OF HAWAII AT MANOA - HONOLULU 4086
THE FIFTH PLANETARY VOLCANOLOGY FIELD WORKSHOP
12/15/1998 - 04/30/2002 FY02: $0 Total: $46,000
Prin. Invest.: S K ROWLAND
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8002 UNIV OF HAWAII AT MANOA - HONOLULU 4087
SOLAR LIMB SHAPE, RADIUS AND OSCILLATION STUDIES U SING SOHO/MDI
01/12/1999 - 01/14/2003 FY02: $0 Total: $362,429
Prin. Invest.: J R KUHN
Tech. Officer: GSFC/J GURMAN
CASE Category: 11 – ASTRONOMY

NAG 5 8118 UNIV OF HAWAII AT MANOA - HONOLULU 4088
A PRELIMINARY AEROSOL CLIMATOLOGY FOR THE PACIFIC BOUNDARY LAYER & FREE TROPOSPHERE
01/29/1999 - 01/31/2003 FY02: $0 Total: $333,000
Prin. Invest.: A D CLARKE
Tech. Officer: GSFC/M MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8216 UNIV OF HAWAII AT MANOA - HONOLULU 4089
FIP, FIT, OR MAD? ANALYSIS OF HIGH SIGNAL-TO-NOIS E ASCA SPECTRA OF CORONAL STARS (ADP98)
02/08/1999 - 02/14/2002 FY02: $0 Total: $67,497
Prin. Invest.: T SIMON
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8253 UNIV OF HAWAII AT MANOA - HONOLULU 4090
FROM DETECTION TO COMPREHENSION: UNDERSTANDING THE PHYSICAL MECHANISMS DRIVING CLUSTER X-RAY EVOLU
02/19/1999 - 12/31/2003 FY02: $0 Total: $405,000
Prin. Invest.: H EBELING
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8298 UNIV OF HAWAII AT MANOA - HONOLULU 4091
A SURVEY FOR MASSIVE PLANETS BY DIRECT IMAGING WIT H ADVANCED ADAPTIVE OPTICS
02/23/1999 - 02/28/2003 FY02: $0 Total: $369,000
Prin. Invest.: D J RODDIER
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8300 UNIV OF HAWAII AT MANOA - HONOLULU 4092
RADIATIVE BALANCE & BEHAVIOR OF THE SEASONAL MARS POLAR CAPS
03/05/1999 - 03/14/2003 FY02: $0 Total: $177,000
Prin. Invest.: T MCCORD
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8330 UNIV OF HAWAII AT MANOA - HONOLULU 4093
SOLAR-C: SCATTER-FREE OBSERVATORY FOR LIMB ACTIVE REGIONS AND CORONAE
04/30/1999 - 04/30/2003 FY02: $0 Total: $506,785
Prin. Invest.: J R KUHN
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 8421 UNIV OF HAWAII AT MANOA - HONOLULU 4094
SCIENTIFIC RESEARCH FOR DESIGN REFERENCE MISSION FOR NEXT GENERATION SPACE TELESCOPE
04/02/1999 - 04/14/2002 FY02: $0 Total: $20,000
Prin. Invest.: D N HALL
Tech. Officer: GSFC/E SMITH
CASE Category: 11 – ASTRONOMY

NAG 5 8593 UNIV OF HAWAII AT MANOA - HONOLULU 4095
1999 BIOASTRONOMY MEETING
06/04/1999 - 05/31/2001 FY02: $0 Total: $40,000
Prin. Invest.: T C OWEN
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8713 UNIV OF HAWAII AT MANOA - HONOLULU 4096
MINERALOGY AND ISOTOPE CHEMISTRY OF CA-AL-RICH INC LUSIONS, CHONDRULES & MATRIX IN THE CV CHONDRITE
08/04/1999 - 07/31/2003 FY02: $0 Total: $70,500
Prin. Invest.: K KEIL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8745 UNIV OF HAWAII AT MANOA - HONOLULU 4097
LOCAL TSUNAMIS IN HAWAII: HAZARD ASSESSMENT & EMERGENCY RESPONSE
08/24/1999 - 08/31/2001 FY02: $0 Total: $100,000
Prin. Invest.: G J FRYER
Tech. Officer: GSFC/E PAYLOR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8748 UNIV OF HAWAII AT MANOA - HONOLULU 4098
A REAL-TIME SIMULATION PACKAGE FOR STORM SURGE AND WAVE RUNUP PACIFIC
08/25/1999 - 08/30/2002 FY02: $0 Total: $400,000
Prin. Invest.: K F CHEUNG
Tech. Officer: GSFC/E PAYLOR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8751 UNIV OF HAWAII AT MANOA - HONOLULU 4099
DEVELOPMENT OF A UV/VISIBLE-OPTIMIZED CCD FOR WFC3 ON HST
09/08/1999 - 09/30/2002 FY02: $0 Total: $93,500
Prin. Invest.: G LUPPINO
Tech. Officer: GSFC/E CHENG
CASE Category: 13 – PHYSICS

NAG 5 8757 UNIV OF HAWAII AT MANOA - HONOLULU 4100
IMAGING, GEOCODING AND ENVIRONMENTAL MONITORING IN HAWAII AND THE WEST PACIFIC
08/24/1999 - 02/28/2002 FY02: $0 Total: $400,000
Prin. Invest.: M BEVIS
Tech. Officer: GSFC/E PAYLOR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8863 UNIV OF HAWAII AT MANOA - HONOLULU 4101
LABORATORY INVESTIGATIONS OF VOLATILE TRAPPING IN COMETS
10/20/1999 - 09/30/2004 FY02: $0 Total: $80,000
Prin. Invest.: T C OWEN
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8903 UNIV OF HAWAII AT MANOA - HONOLULU 4102
REMOTE SENSING AND GEOLOGIC STUDIES OF PLANETARY CRUSTS
12/28/1999 - 12/31/2002 FY02: $0 Total: $137,280
Prin. Invest.: B HAWKE
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8920 UNIV OF HAWAII AT MANOA - HONOLULU 4103
A GLOBAL ASSESSMENT OF ACTIVE VOLCANISM FROM THE EARTH OBSERVING SYSTEM
01/24/2000 - 12/31/2001 FY02: $0 Total: $405,000
Prin. Invest.: P J MOUGINIS-MARK
Tech. Officer: GSFC/E D PAYLOR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8921 UNIV OF HAWAII AT MANOA - HONOLULU 4104
THE FIFTH PLANETARY VOLCANOLOGY FIELD WORKSHOP
01/06/2000 - 05/31/2002 FY02: $0 Total: $10,000
Prin. Invest.: S K ROWLAND
Tech. Officer: GSFC/J GRANT
CASE Category: 11 – ASTRONOMY

NAG 5 8979 UNIV OF HAWAII AT MANOA - HONOLULU 4105
FINDING THE ONSET OF CONVECTION IN MAIN SEQUENCE STARS - FUSE
01/24/2000 - 01/31/2003 FY02: $0 Total: $68,700
Prin. Invest.: T SIMON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 8983 UNIV OF HAWAII AT MANOA - HONOLULU 4106
PROPERTIES OF ICE ON THE SURFACE OF EUROPA AND THE OTHER ICY GALILEAN SATELLITES
01/24/2000 - 01/31/2003 FY02: $0 Total: $85,000
Prin. Invest.: G HANSEN
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8991 UNIV OF HAWAII AT MANOA - HONOLULU 4107
ASTEROID PROCESSING ON EROS
01/24/2000 - 01/31/2001 FY02: $0 Total: $65,000
Prin. Invest.: P G LUCEY
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9038 UNIV OF HAWAII AT MANOA - HONOLULU 4108
VALIDATION AND ANALYSIS OF SRTM AND VCL DATA OVER TROPICAL VOLCANOES.
02/10/2000 - 02/14/2003 FY02: $0 Total: $113,000
Prin. Invest.: P J MOUGINIS-MARK
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9042 UNIV OF HAWAII AT MANOA - HONOLULU 4109
ANALYSIS OF HIPPARCHOS MARGINAL PARALLAXES - ADP 99
02/22/2000 - 02/28/2003 FY02: $0 Total: $45,059
Prin. Invest.: W D HEACOX
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9166 UNIV OF HAWAII AT MANOA - HONOLULU 4110
ORIGIN & EVOLUTION OF STURCTURE IN THE UNIVERSE DETERMINED FROM THE X-RAYEVOLUTION OF GALAXY
03/08/2000 - 03/14/2003 FY02: $0 Total: $67,564
Prin. Invest.: J HENRY
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9190 UNIV OF HAWAII AT MANOA - HONOLULU 4111
SHARING DISCOVERIES IN PLANETARY GEOSCIENCE ON THE WORLD WIDE WEB AND CD-ROM
03/07/2000 - 03/14/2003 FY02: $0 Total: $130,000
Prin. Invest.: G TAYLOR
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9238 UNIV OF HAWAII AT MANOA - HONOLULU 4112
A CALIBRATION OF THE CLUSTER FLUX MEASUREMENTS IN THE ROSAT ALL-SKY SURVEY - ADP 99
03/09/2000 - 03/14/2002 FY02: $0 Total: $30,321
Prin. Invest.: H EBELING
Tech. Officer: GSFC/R OLIVERSON
CASE Category: 11 – ASTRONOMY

NAG 5 9252 UNIV OF HAWAII AT MANOA - HONOLULU 4113
REAL-TIME LABORATORY FOR REMOTE SENSING
03/10/2000 - 02/28/2003 FY02: $0 Total: $748,199
Prin. Invest.: T NIELSEN
Tech. Officer: HQ/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9354 UNIV OF HAWAII AT MANOA - HONOLULU 4114
FULLERENES: A NEW CARRIER-PHASE FOR NOBLE GASES IN METEORITES
04/03/2000 - 10/01/2001 FY02: $0 Total: $40,000
Prin. Invest.: L BECKER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9413 UNIV OF HAWAII AT MANOA - HONOLULU 4115
TRACKING ERUPTIONS & FIRES WITHIN THE RING OF FIRE
04/07/2000 - 04/30/2003 FY02: $0 Total: $290,333
Prin. Invest.: L FLYNN
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9511 UNIV OF HAWAII AT MANOA - HONOLULU 4116
INTERSTELLAR ORGANIC MOLECULES AND THE ORIGIN OF LIFE: THE ROLE OF EXOGENOUS DELIVERY
05/03/2000 - 11/30/2001 FY02: $0 Total: $174,780
Prin. Invest.: L BECKER
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9576 UNIV OF HAWAII AT MANOA - HONOLULU 4117
THE DIVERSITY OF MARTIAN VOLCANIC FEATURES AS SEEN IN MOC IMAGES AND MOLATOPOGRAPHIC DATA
05/17/2000 - 04/30/2003 FY02: $0 Total: $115,700
Prin. Invest.: P MOUGINIS-MARK
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9580 UNIV OF HAWAII AT MANOA - HONOLULU 4118
A VOLCANIC PLUME DISPERSION MONITORING AND PREDICT ION CAPABILITY
05/09/2000 - 09/30/2002 FY02: $0 Total: $213,210
Prin. Invest.: S BUSINGER
Tech. Officer: GSFC/E PAYLOR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9757 UNIV OF HAWAII AT MANOA - HONOLULU 4119
CONTROLS ON THE VARIABILITY OF PHYTOPLANKTON BIO- MASS & PRODUCTIVITY IN THE NORTHERN PACIFIC CENTRA
06/23/2000 - 06/30/2002 FY02: $0 Total: $198,558
Prin. Invest.: R R BIDIGARE
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9765 UNIV OF HAWAII AT MANOA - HONOLULU 4120
GEOCHEMICAL STUDIES OF THE LUNAR CRUST
07/03/2000 - 06/30/2002 FY02: $0 Total: $49,000
Prin. Invest.: B HAWKE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9896 UNIV OF HAWAII AT MANOA - HONOLULU 4121
MAPPING THE STELLAR X-RAY EMISSION BEYOND 1 GYR IN SPACE AND TIME
09/06/2000 - 09/14/2001 FY02: $0 Total: $7,000
Prin. Invest.: T SIMON
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9921 UNIV OF HAWAII AT MANOA - HONOLULU 4122
X-RAY EMISSION FROM BROWN DWARFS: A SEQUENCE OF TEMPERATURES AND AGES?
09/05/2000 - 09/14/2001 FY02: $0 Total: $7,800
Prin. Invest.: W BRANDNER
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9992 UNIV OF HAWAII AT MANOA - HONOLULU 4123
SEARCH FOR X-RAY EMISSION IN THE NEAREST KNOWN BROWN DWARF
09/20/2000 - 08/31/2003 FY02: $0 Total: $30,000
Prin. Invest.: E MARTIN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9994 UNIV OF HAWAII AT MANOA - HONOLULU 4124
RXJ1821+6828: TEMPERATURE DISTRIBUTION AND METALLI CITY FOR A Z=0.81 CLUSTER
09/14/2000 - 08/31/2002 FY02: $0 Total: $38,500
Prin. Invest.: I M GIOIA
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10025 UNIV OF HAWAII AT MANOA - HONOLULU 4125
HARD X-RAYS FROM A COMPLETE SAMPLE OF THE BRIGHTES T ULTRA-LUMINOUS INFRARED GALAXIES
09/27/2000 - 09/30/2002 FY02: $0 Total: $32,400
Prin. Invest.: D B SANDERS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10041 UNIV OF HAWAII AT MANOA - HONOLULU 4126
MEASURING THE MASS DISTRIBUTION IN Z0.2 CLUSTER LENSES WITH XMM, HST ANDCFHT
10/03/2000 - 09/30/2003 FY02: $0 Total: $11,000
Prin. Invest.: H EBELING
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10045 UNIV OF HAWAII AT MANOA - HONOLULU 4127
DATA-INTENSIVE RESEARCH & MODEL DEVELOPMENT AT THE INTERNATIONAL PACIFIC RESEARCH CENTER
09/28/2000 - 09/30/2005 FY02: $0 Total: $1,000,000
Prin. Invest.: J MCCREARY
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10085 UNIV OF HAWAII AT MANOA - HONOLULU 4128
THE X-RAY TEMPERATURE FUNCTION AND STRUCTURE OF CLUSTERS AT Z=0.6-1
11/07/2000 - 11/14/2002 FY02: $0 Total: $5,162
Prin. Invest.: H EBELING
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10111 UNIV OF HAWAII AT MANOA - HONOLULU 4129
MONITORING SURFACE DEFORMATION AT HAWAIIAN & OTHER BASALTIC VOLCANOES WITH RADARSAT INTERFEROMETRY
11/20/2000 - 11/30/2002 FY02: $0 Total: $20,185
Prin. Invest.: F AMELUNG
Tech. Officer: GSFC/K PARTINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10128 UNIV OF HAWAII AT MANOA - HONOLULU 4130
AN XMM STUDY OF LOW-ACTIVITY CORONAL STARS OF 1-2 SOLAR MASSES
11/28/2000 - 11/30/2002 FY02: $0 Total: $4,500
Prin. Invest.: T SIMON
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10133 UNIV OF HAWAII AT MANOA - HONOLULU 4131
PARTICIPATION IN PLANET-B NMS TEAM
12/12/2000 - 12/14/2002 FY02: $0 Total: $15,000
Prin. Invest.: T C OWEN
Tech. Officer: GSFC/W T KASPRZAK
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10141 UNIV OF HAWAII AT MANOA - HONOLULU 4132
NEW OPPORTUNITIES THROUGH MINORITY INITIATIVES IN SPACE SCIENCE
12/19/2000 - 12/31/2003 FY02: $0 Total: $249,950
Prin. Invest.: R A CROWE
Tech. Officer: HQ/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 5 10228 UNIV OF HAWAII AT MANOA - HONOLULU 4133
THE SIXTH PLANETARY VOLCANOLOGY FIELD WORKSHOP
01/04/2001 - 01/14/2003 FY02: $0 Total: $48,000
Prin. Invest.: S K ROWLAND
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 10229 UNIV OF HAWAII AT MANOA - HONOLULU 4134
VOLATILE EVOLUTION
01/04/2001 - 01/14/2003 FY02: $0 Total: $76,000
Prin. Invest.: F P FANALE
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10237 UNIV OF HAWAII AT MANOA - HONOLULU 4135
REGIONAL PLANETARY IMAGE CENTER
01/08/2001 - 01/14/2004 FY02: $0 Total: $50,300
Prin. Invest.: B R HAWKE
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 10427 UNIV OF HAWAII AT MANOA - HONOLULU 4136
EVOLUTION OF DUST AROUND STARS
02/16/2001 - 02/28/2004 FY02: $0 Total: $35,000
Prin. Invest.: D JEWITT
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10437 UNIV OF HAWAII AT MANOA - HONOLULU 4137
PHYSICAL PROPERTIES OF COMETRAY NUCLEUS CANDIDATES
02/20/2001 - 02/28/2004 FY02: $0 Total: $55,500
Prin. Invest.: D JEWITT
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10514 UNIV OF HAWAII AT MANOA - HONOLULU 4138
STABILITY & BEHAVIOR OF HYDRATED/HYDROXYLATED MATE RIALS IN COLD SOLAR SYSTEM ENVIRONMENTS
03/05/2001 - 03/31/2004 FY02: $0 Total: $75,000
Prin. Invest.: T MCCORD
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10564 UNIV OF HAWAII AT MANOA - HONOLULU 4139
A DEEP X-RAY SURVEY OF LOW-MASS PMS STARS IN NGC 2264
03/15/2001 - 03/14/2003 FY02: $0 Total: $19,133
Prin. Invest.: T SIMON
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10610 UNIV OF HAWAII AT MANOA - HONOLULU 4140
CHRONOLOGY OF THE EARLY SOLAR NEBULA: DISTRIBUTIO N OF 26A1 IN CHONDRULES FROM PRIMITIVE C
03/16/2001 - 03/14/2004 FY02: $0 Total: $30,000
Prin. Invest.: A KROT
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10640 UNIV OF HAWAII AT MANOA - HONOLULU 4141
EFFECTS OF VOLCANIC ERUPTIONS ON THE NATURAL ENVIR ONMENT
03/20/2001 - 03/31/2004 FY02: $0 Total: $250,000
Prin. Invest.: P MOUGINIS-MARK
Tech. Officer: GSFC/E D PAYLOR, II
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10646 UNIV OF HAWAII AT MANOA - HONOLULU 4142
HIGH TEMPERATURES AND DISKS AROUND PMS STARS FUSE SPECTRA OF THREE HERBIGAEBE STARS - FUSE 2000
03/27/2001 - 05/31/2003 FY02: $0 Total: $23,500
Prin. Invest.: T SIMON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10704 UNIV OF HAWAII AT MANOA - HONOLULU 4143
A LIGHTWEIGHT FTIR SPECTROMETER FOR IN SITU GAS ANALYSIS
05/01/2001 - 03/31/2004 FY02: $0 Total: $110,940
Prin. Invest.: P LUCEY
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 10750 UNIV OF HAWAII AT MANOA - HONOLULU 4144
SPATIAL STATISTICS OF LARGE ASTRONOMICAL DATABASES AN ALGO-RITHMIC APPROACH
05/03/2001 - 04/14/2002 FY02: $0 Total: $75,000
Prin. Invest.: I SZAPUDI
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10773 UNIV OF HAWAII AT MANOA - HONOLULU 4145
A CALIBRATION OF THE CLUSTER FLUX MEASUREMENTS IN THE ROSAT ALL-SKY SURVEY
04/20/2001 - 04/30/2003 FY02: $0 Total: $55,000
Prin. Invest.: H EBELING
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10909 UNIV OF HAWAII AT MANOA - HONOLULU 4146
APPLICATION OF A THERMO-RHEOLOGICAL LAVA FLOW MODEL TO MAR-TIAN CONDITIONS
05/09/2001 - 05/14/2004 FY02: $0 Total: $50,000
Prin. Invest.: S ROWLAND
Tech. Officer: GSFC/J M BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11138 UNIV OF HAWAII AT MANOA - HONOLULU 4147
PARTICIPATION ON THE CASSINI-HUYGENS GAS CHROMATO- GRAPH-MASS SPECTROMETER(GCMS) TEAM
07/25/2001 - 07/31/2005 FY02: $0 Total: $15,000
Prin. Invest.: T C OWEN
Tech. Officer: GSFC/W T KASPRZAK
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11362 UNIV OF HAWAII AT MANOA - HONOLULU 4148
FLOW-EJECTA CRATER POPULATION ON MARS & CHRONOLOGY OF MAJOR GEOLOGIC EVENTS
09/26/2001 - 09/30/2004 FY02: $0 Total: $84,000
Prin. Invest.: K KEIL
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11445 UNIV OF HAWAII AT MANOA - HONOLULU 4149
THERMAL STUDIES OF NEAR EARTH OBJECTS
12/21/2001 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: D JEWITT
Tech. Officer: GSFC/T MORGAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11466 UNIV OF HAWAII AT MANOA - HONOLULU 4150
ORIGINS, EVOLUTION, AND FATE OF BROWN DWARFS
12/12/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: E MARTIN
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11516 UNIV OF HAWAII AT MANOA - HONOLULU 4151
MINERALOGICAL MAPPING OF THE MOON AND ASTEROIDS
12/31/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: P G LUCEY
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11564 UNIV OF HAWAII AT MANOA - HONOLULU 4152
SOLAR SYSTEM BEYOND NEPTUNE
02/08/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: D C JEWITT
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11591 UNIV OF HAWAII AT MANOA - HONOLULU 4153
ORIGIN OF METEORITE PARENT BODIES AND THE MOON
01/10/2002 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: K KEIL
Tech. Officer: GSFC/D SENSKE
CASE Category: 12 – CHEMISTRY

NAG 5 11782 UNIV OF HAWAII AT MANOA - HONOLULU 4154
DEVELOPMENT OF CRITICAL ELEMENTS OF A DUST TELE- SCOPE
02/27/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: E GRUEN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11938 UNIV OF HAWAII AT MANOA - HONOLULU 4155
FUSE OBSERVATIONS OF LMC AND SMC O3-4 STARS: THE PHYSICAL PARAMETERS OF THE HOTTEST STARS
03/28/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: R KUDRITZKI
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11996 UNIV OF HAWAII AT MANOA - HONOLULU 4156
SCALABLE ALGORITHMS FOR FAST ANALYSIS OF MEGAPIXEL CMB MAPS AND LARGE ASTRONOMICAL DATABASES.
04/11/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: I SZAPDUI
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12101 UNIV OF HAWAII AT MANOA - HONOLULU 4157
NOVEL TECHNIQUES FOR FAST CMB ANALYSIS
04/24/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: I SZAPUDI
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12145 UNIV OF HAWAII AT MANOA - HONOLULU 4158
THERMAL EMISSION SPECTROSCOPY OF PARTICULATE MARTIAN ANA- LOGUE MATERIALS
05/14/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: V E HAMILTON
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12198 UNIV OF HAWAII AT MANOA - HONOLULU 4159
SEEING DOUBLE: DO THE X-RAY LUMINOUS EARLY A STARS HAVE ACTIVE BINARY COMPANIONS?
05/15/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: T SIMON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12207 UNIV OF HAWAII AT MANOA - HONOLULU 4160
REPLACEMENT OF THE TELESCOPE CONTROL SYSTEM FOR TH E IRTF
06/05/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: A T TOKUNAGA
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12214 UNIV OF HAWAII AT MANOA - HONOLULU 4161
QUASI-BIENNIAL OSCILLATION MODULATION OF EDDIES IN THE TROPICAL STRATOSPHERE
05/16/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: K HAMILTON
Tech. Officer: GSFC/P DECOLA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12236 UNIV OF HAWAII AT MANOA - HONOLULU 4162
SMALL OUTER SOLAR SYSTEM BODIES: OBSERVATIONS AND MODELING
05/31/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: K J MEECH
Tech. Officer: GSFC/J J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12406 UNIV OF HAWAII AT MANOA - HONOLULU 4163
SEARCH FOR NEAR EARTH OBJECTS WITH SMALL APHELION DISTANCES
08/01/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: D THOLEN
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12485 UNIV OF HAWAII AT MANOA - HONOLULU 4164
SPECTRAL VARIATIONS IN MARTIAN DARK REGIONS & THE SEARCH FOR THE SOURCE REGIONS OF SNC METEORITES
08/26/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: V HAMILTON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12486 UNIV OF HAWAII AT MANOA - HONOLULU 4165
PETROLOGIC & EXPERIMENTAL EVALUATION OF AN IGNEOUS ORIGIN FOR MAGNETIC ANOMALIES ON MARS
08/26/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: J HAMMER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12506 UNIV OF HAWAII AT MANOA - HONOLULU 4166
CONSTRAINING THE ORIGINS OF LAYERING IN THE VALLES MARINERIS: COMPARING TES AND MOLA
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S ANDERSON
Tech. Officer: GSFC/H FREY
CASE Category: 11 – ASTRONOMY

NAG 5 12508 UNIV OF HAWAII AT MANOA - HONOLULU 4167
CHARACTERIZATION OF 2003 MER LANDING SITES USING M OC AND MOLA DATA
08/21/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: S ANDERSON
Tech. Officer: GSFC/H FREY
CASE Category: 11 – ASTRONOMY

NAG 8 1798 UNIV OF HAWAII AT MANOA - HONOLULU 4168
RESEARCH, "CURVATURE-BASED WAVEFRONT SENSOR FOR USE ON EXTENDED, ARBITRARY, LOW CONTRAST SCENES"
04/25/2001 - 04/24/2004 FY02: $0 Total: $215,000
Prin. Invest.: B J LABONTE
Tech. Officer: MSFC/A KEYS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 2 98077 UNIV OF HAWAII AT MANOA - HONOLULU 4169
DEVELOPMENT OF ADVANCED NEAR INFRARED FOCAL PLANE TECHNOLOGY
08/04/1998 - 06/30/2003 FY02: $0 Total: $3,698,106
Prin. Invest.: D N HALL
Tech. Officer: ARC/K W HODAPP
CASE Category: 11 – ASTRONOMY

NAS 5 99180 UNIV OF HAWAII AT MANOA - HONOLULU 4170
LASER RANGING OPERATION, REPAIR & MAINTENANCE OF LURE OBSERVATORY FACILITY, MAUI, HI.
05/16/1999 - 05/15/2003 FY02: $0 Total: $1,150,000
Prin. Invest.: D O'GARA
Tech. Officer: GSFC/J MCGARRY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NASW 5062 UNIV OF HAWAII AT MANOA - HONOLULU 4171
OPERATION AND MAINTENANCE OF THE INFRARED TELESCOPE FACILITY
01/31/1996 - 01/31/2001 FY02: $0 Total: $14,916,140
Prin. Invest.: D N HALL, R JOSEPH
Tech. Officer: HQ/E BARKER
CASE Category: 11 – ASTRONOMY

NCC 1 315 UNIV OF HAWAII AT MANOA - HONOLULU 4172
SIZE RESOLVED AEROSOL NUCLEI AND PHYSICO-CHEMISTRY FOR PEM-TROPICS B ABOARD P-3B, REF NRA-97-MTPE-13
08/17/1998 - 08/31/2002 FY02: $0 Total: $346,930
Prin. Invest.: A D CLARKE, V KAPUSTIN
Tech. Officer: LARC/J M HOELL, LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 416 UNIV OF HAWAII AT MANOA - HONOLULU 4173
AEROSOL PHYSICOCHEMISTRY: P-3B AIRCRAFT MEASURE- MENTS FOR TRACE-P. NRA00-OES-01.
09/25/2000 - 09/30/2003 FY02: $0 Total: $217,825
Prin. Invest.: A D CLARKE
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 3 696 UNIV OF HAWAII AT MANOA - HONOLULU 4174
FLAME DESIGN - A NOVEL APPROACH TO CLEAN, EFFICIEN T DIFFUSION FLAMES
03/25/1999 - 01/13/2003 FY02: $0 Total: $46,016
Prin. Invest.: B CHAO
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 373 UNIV OF HAWAII AT MANOA - HONOLULU 4175
PARTICIPATION IN THE COMPOSITE INFRARED SPECTROMET ER (CIRS) PROJECT AS CO-INVESTIGATOR
01/12/1999 - 01/14/2003 FY02: $10,000 Total: $28,000
Prin. Invest.: T C OWEN
Tech. Officer: GSFC/G L BJORAKER
CASE Category: 11 – ASTRONOMY

NCC 5 461 UNIV OF HAWAII AT MANOA - HONOLULU 4176
QUANTITIVE ANALYSIS OF HOT SPOTS USING E0-1 & LAND SAT 7.
02/28/2000 - 09/30/2002 FY02: $0 Total: $54,365
Prin. Invest.: L P FLYNN
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 538 UNIV OF HAWAII AT MANOA - HONOLULU 4177
THE NASA INFRARED TELESCOPE FACILITY: SOLAR SYSTEM OBSERVATIONS AND MISSION SUPPORT
02/12/2001 - 01/31/2006 FY02: $0 Total: $3,198,459
Prin. Invest.: R KUDRITZKI
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30179 UNIV OF HAWAII AT MANOA - HONOLULU 4178
PHYSICAL MODELING OF MULTI-SPECTRAL DATA TO CHARAC TERIZE DEPTH & BOTTOM-TYPE IN NEARSHORE MARINE CA
08/12/1999 - 08/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: C FLETCHER
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30207 UNIV OF HAWAII AT MANOA - HONOLULU 4179
SOURCES AND ISOTOPIC COMPOSITIONS OF NITROUS OXIDE FROM THE SUBTROPIC NORTH PACIFIC & EASTERN TROPIC
08/19/1999 - 12/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B POPP
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40021 UNIV OF HAWAII AT MANOA - HONOLULU 4180
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIPPROGRAM.
02/13/1997 - 01/31/2001 FY02: $0 Total: $1,433,254
Prin. Invest.: D TAYLOR
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40076 UNIV OF HAWAII AT MANOA - HONOLULU 4181
HAWAII SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/08/2001 - 01/31/2005 FY02: $0 Total: $588,324
Prin. Invest.: G TAYLOR
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50175 UNIV OF HAWAII AT MANOA - HONOLULU 4182
A COMPLETE SAMPLE OF X-RAY SELECTED GALAXY CLUSTER S FROM THE ROSAT NORTHECLIPTIC POLE SURVEY
05/22/1998 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: J HENRY, MULLIS
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 11 – ASTRONOMY

NGT 5 50319 UNIV OF HAWAII AT MANOA - HONOLULU 4183
THE CHANGING FACE OF A NEW VOLCANIC LANDSCAPE SYST EM: RATES, CAUSES & HAZARDS/STUDENT: JOHN BAILEY
08/16/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: P MOUGINIS-MARK
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50357 UNIV OF HAWAII AT MANOA - HONOLULU 4184
A STUDY OF PLANETARY SYSTEM FORMATION & EVOLUTION WITH A DUAL CHANNEL ADAPTIVE OPTICS IMAGING POLAR
05/14/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: D JEWITT
Tech. Officer: GSFC/K E BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50396 UNIV OF HAWAII AT MANOA - HONOLULU 4185
AN INFRARED SEARCH FOR THE ORIGINS OF ELLIPTICAL G ALAXIES STUDENT: BARRY ROTHBERG
06/12/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: R JOSEPH
Tech. Officer: HQ/K BLANDING
CASE Category: 11 – ASTRONOMY

IDAHO

NAG 5 7537 BOISE STATE UNIV 4186
INVESTIGATION OF PHYSICAL PROCESS DYNAMICS DURING COLD SEA-SON FLOODING.
06/18/1998 - 06/30/2002 FY02: $0 Total: $109,909
Prin. Invest.: P DAWSON
Tech. Officer: GSFC/E ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10982 IDAHO STATE UNIV 4187
WILDFIRE EFFECTS ON RANGELAND ECOSYSTEMS AND LIVE STOCK GRAZING IN IDAHO
06/12/2001 - 12/14/2003 FY02: $0 Total: $348,889
Prin. Invest.: K T WEBER
Tech. Officer: GSFC/W TURNER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12301 IDAHO STATE UNIV 4188
DETECTION, PREDICTION, IMPACT AND MANAGEMENT OF IN VASIVE PLANTS USING GPS
06/24/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: K T WEBER
Tech. Officer: GSFC/W TURNER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9052 UNIV OF IDAHO - MOSCOW, IDAHO 4189
NOVA ONLINE ESS
02/14/2000 - 09/14/2003 FY02: $0 Total: $149,834
Prin. Invest.: M R ODELL
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9846 UNIV OF IDAHO - MOSCOW, IDAHO 4190
STUDY OF LAND-ATMOSPHERE INTERACTIONS USING SATELL ITE DATA ASSIMILATION
08/01/2000 - 07/31/2002 FY02: $0 Total: $19,084
Prin. Invest.: R J QUALLS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9876 UNIV OF IDAHO - MOSCOW, IDAHO 4191
LAND SURFACE MODELING & DATA ASSIMILATION WITH IN SITU & REMOTE SENSING DATA FROM CASES-97
08/22/2000 - 07/14/2003 FY02: $0 Total: $121,988
Prin. Invest.: R QUALLS
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10210 UNIV OF IDAHO - MOSCOW, IDAHO 4192
LEWIS & CLARK REDISCOVERY PROJECT: LIFE-LONG LEAR NING ONLINE (L3)
01/03/2001 - 09/30/2003 FY02: $0 Total: $1,831,000
Prin. Invest.: J A TEASDALE
Tech. Officer: GSFC/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11112 UNIV OF IDAHO - MOSCOW, IDAHO 4193
VALIDATION OF THE ATMOSPHERIC INFRARED SOUNDER (AI RS) OVER THE ANTARCTIC PLATEAU (AQUA-0080-033) NR
07/12/2001 - 08/31/2004 FY02: $0 Total: $99,319
Prin. Invest.: V P WALDEN
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11495 UNIV OF IDAHO - MOSCOW, IDAHO 4194
FRACTURE & STRESS EVOLUTION ON EUROPA: NEW INSIGHT INTO FRACTURE INTERPRETATION & ICE THICKNESS ESTI
12/27/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: S KATTENHORN
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11589 UNIV OF IDAHO - MOSCOW, IDAHO 4195
LEWIS & CLARK REDISCOVERY PROJECT: LIFE LONG LEARN ING ONLINE (L3)
01/24/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: J TEASDALE
Tech. Officer: GSFC/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11734 UNIV OF IDAHO - MOSCOW, IDAHO 4196
"ULTRA-LOW POWER HIGH PERFORMANCE CMOS VLSI"
03/12/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: G MAKI
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11805 UNIV OF IDAHO - MOSCOW, IDAHO 4197
"HIGH PERFORMANCE LOSSY DATA COMPRESSION VLSI ARCHITEC-TURES"
03/12/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: G MAKI
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11970 UNIV OF IDAHO - MOSCOW, IDAHO 4198
LOW POWER, RADIATION-TOLERANT RECONFIGURABLE PROCESSOR
04/09/2002 - 04/14/2004 FY02: $0 Total: $0
Prin. Invest.: G DONOHOE
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 1174 UNIV OF IDAHO - MOSCOW, IDAHO 4199
ANALYZING THE IMPACT OF RISK AND TASK ANALYSIS AND HUMAN FACTORS PRICIPLES ON THE OUTCOME OF ....
04/24/2000 - 04/14/2003 FY02: $105,351 Total: $366,021
Prin. Invest.: L T OSTROM
Tech. Officer: ARC/B G KANKE
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 5 395 UNIV OF IDAHO - MOSCOW, IDAHO 4200
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/13/1999 - 05/31/2002 FY02: $0 Total: $508,298
Prin. Invest.: R GILL
Tech. Officer: HQ/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 577 UNIV OF IDAHO - MOSCOW, IDAHO 4201
IDAHO NASA EPSCOR PROGRAM
08/17/2001 - 07/31/2004 FY02: $0 Total: $125,000
Prin. Invest.: J TEASDALE
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40108 UNIV OF IDAHO - MOSCOW, IDAHO 4202
IDAHO SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/02/2001 - 02/28/2005 FY02: $0 Total: $532,325
Prin. Invest.: J TEASDALE
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

ILLINOIS

NAG 5 12091 CHICAGO STATE UNIV 4203
SATURDAY ACADEMY FOR SPACE SCIENCE
05/03/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: J RICHARD
Tech. Officer: GSFC/C HOLLINGSWORTH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 5414 DEPAUL UNIV 4204
DEVELOPING, EVALUATING & APPLYING A COMPUTATIONAL MODEL OF INFORMATION NAVIGATION
12/19/2000 - 02/14/2003 FY02: $0 Total: $16,920
Prin. Invest.: C S MILLER
Tech. Officer: ARC/R W REMINGTON
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 272 DEPAUL UNIV 4205
OSS EDUCATION AND OUTREACH BROKER/FACILITATOR PROG RAM
02/24/1998 - 06/30/2002 FY02: $0 Total: $865,000
Prin. Invest.: C C NARASIMHAN
Tech. Officer: GSFC/J ROSENDHAL
CASE Category: 11 – ASTRONOMY

NCC 5 641 DEPAUL UNIV 4206
DEPAUL SPACE SCIENCE CENTER
04/04/2002 - 06/30/2007 FY02: $0 Total: $0
Prin. Invest.: C C
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 8 1827 FINCH UNIV HEALTH SCI / CHICAGO MED SCHL 4207
CRYSTALLIZATION OF THE MITOCHONDRIAL METABOLITE TRANSPORT PROTEINS
09/13/2001 - 11/30/2004 FY02: $0 Total: $72,000
Prin. Invest.: R S KAPLAN
Tech. Officer: MSFC/B GUYNES
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 3 2743 ILLINOIS INST OF TECHNOLOGY 4208
THERMAL CONTROL AND ENHANCEMENT OF HEAT TRANSFER C APACITY OF CRYOGENIC CAPILLARYPUMPED LOOP AND HE
03/19/2002 - 09/13/2002 FY02: $0 Total: $0
Prin. Invest.: J SEYED-YAGOOBI
Tech. Officer: GRC/M M HASAN
CASE Category: 46 – MECHANICAL ENGR

NAG 5 12370 ILLINOIS INST OF TECHNOLOGY 4209
ELECTROHYDRODYNAMIC CONDUCTION PUMPING OF CRYOGENIC FLUIDS
07/12/2002 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: J S YAGOOBI
Tech. Officer: GSFC/J DIDION
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 798 ILLINOIS INST OF TECHNOLOGY 4210
MODELING NONLINEAR ACOUSTIC STANDING WAVES IN RESO NATORS: THEORY AND EXPERIMENT
05/16/2000 - 04/30/2003 FY02: $0 Total: $100,000
Prin. Invest.: D RAMAN
Tech. Officer: GRC/B M STEINETZ
CASE Category: 46 – MECHANICAL ENGR

NAG 5 9584 ILLINOIS STATE UNIV 4211
DETERMINATION OF THE MAGNETOTAIL CURRENT SHEET STR UCTURE USING NONLINEARDYNAMICS MODELING AND GEOTA
05/25/2000 - 05/31/2003 FY02: $0 Total: $103,989
Prin. Invest.: D HOLLAND
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1512 JUDSON COLL-ELGIN ILLINOIS 4212
EFFECTS OF OSCILLATORY ACCELERATIONS ON BACTERIAL PROLIFERATION & RESPONSE TO ANTIBIOTICS
08/17/2001 - 07/31/2003 FY02: $0 Total: $65,889
Prin. Invest.: E A JUERGENSMEYER
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 1 02004 KNOX COLL 4213
CALIBRATION OF ECO BADGE TEST-STRIPS FOR OZONE MEASUREMENT FOR GLOBE
11/15/2001 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: L C BUSH
Tech. Officer: LARC/J FISHMAN, LARC/R J DEYOUNG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 8 244 NORTHEASTERN ILLINOIS UNIV 4214
PRMTE CMMERCLLY FNDD RSERH AND TECH. DEV. IN THE FLD OF ADVNCED MATEIALS PROCESSING UTIL.MICROGRAVI
01/14/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: A SACCO JR.
Tech. Officer: MSFC/J SAMS
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2313 NORTHWESTERN UNIV 4215
MECHANICS OF NANOTUBES & NANOTUBE/POLYMER COMPOSITES
07/18/2000 - 07/19/2003 FY02: $0 Total: $105,234
Prin. Invest.: R S RUOFF
Tech. Officer: LARC/T S GATES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01058 NORTHWESTERN UNIV 4216
SURFACE TEMPLATED GROWTH & ASSEMBLY OF CARBON NANOTUBE ARRAYS
05/29/2001 - 12/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: C A MIRKIN
Tech. Officer: LARC/J D JORDAN
CASE Category: 11 – ASTRONOMY

NAG 1 02078 NORTHWESTERN UNIV 4217
DEPLOYMENT OF INFLATABLE STRUCTURES BY ALE FEM AND PARTICLE METHODS
04/10/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: W K LIU
Tech. Officer: LARC/J T WANG
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1522 NORTHWESTERN UNIV 4218
MATHEMATICAL & COMPUTATIONAL ANALYSIS OF CENTRAL C ARBON PATHWAYS FOR EFFICIENT METABOLIC ENGINEERIN
09/14/2001 - 09/14/2003 FY02: $62,587 Total: $62,587
Prin. Invest.: V HATZIMANIKATI
Tech. Officer: ARC/J HINES, ARC/P FUNG
CASE Category: 43 – CHEMICAL ENGR

NAG 3 1823 NORTHWESTERN UNIV 4219
COARSENING IN SOLID-LIQUID MIXTURES
04/01/1996 - 05/31/2001 FY02: $0 Total: $837,375
Prin. Invest.: P W VOORHEES
Tech. Officer: GRC/T K GLASGOW
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 1892 NORTHWESTERN UNIV 4220
THE MICROMECHANICS OF THE MOVING CONTACT LINE
06/01/1996 - 05/31/2001 FY02: $0 Total: $320,000
Prin. Invest.: S LICHTER
Tech. Officer: GRC/M WEISLOGEL
CASE Category: 13 – PHYSICS

NAG 3 2113 NORTHWESTERN UNIV 4221
COMPLEX DYNAMICS IN MARANGONI CONVECTION WITH ROTA TION
03/04/1998 - 01/06/2003 FY02: $0 Total: $370,000
Prin. Invest.: H RIECKE
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2209 NORTHWESTERN UNIV 4222
FILTRATION COMBUSTION FOR MICROGRAVITY APPLICASTIO NS: (1) SMOLDERING (2) COMBUSTION SYNTHESIS OF A
11/17/1998 - 11/11/2002 FY02: $0 Total: $386,500
Prin. Invest.: B J MATKOWSKY
Tech. Officer: GRC/S A GOGOKLU
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2364 NORTHWESTERN UNIV 4223
COMPETING INSTABILITIES AND THE SPATIO-TEMPORAL DY NAMICS OF INTERFACIAL WAVE PATTERNS
03/20/2000 - 11/30/2003 FY02: $0 Total: $130,250
Prin. Invest.: M SILBER
Tech. Officer: GRC/C E NIEDERHAUS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2369 NORTHWESTERN UNIV 4224
INTERFACIAL DYNAMICS INTERFACIAL DYNAMICS
04/03/2000 - 11/30/2003 FY02: $0 Total: $136,583
Prin. Invest.: D H DAVIS
Tech. Officer: GRC/H C DEGROH
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2474 NORTHWESTERN UNIV 4225
COARSENING IN SOLID-LIQUID MIXTURES-2 (CSLM-2) COARSENING IN SOLID-LIQUID MIXTURES-2 (CSLM-2)
07/24/2000 - 11/30/2005 FY02: $0 Total: $220,470
Prin. Invest.: P W VOORHEES
Tech. Officer: GRC/W B DUVAL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2485 NORTHWESTERN UNIV 4226
ATOMIC-SCALE STUDIES OF EVOLVING MICROSTRUCTURES O F NICKEL-BASED SUPERALLOYS: A GRADUATE TRAINING G
08/22/2000 - 08/31/2001 FY02: $0 Total: $25,000
Prin. Invest.: D N SEIDMAN
Tech. Officer: GRC/R D NOEBE
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2511 NORTHWESTERN UNIV 4227
MODELING MICROGRAVITY NON-PREMIXED COMBUSTION SYST EMS
12/07/2000 - 11/15/2004 FY02: $0 Total: $70,000
Prin. Invest.: D MATALON
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2628 NORTHWESTERN UNIV 4228
DEVELOPMENT OF HIGH-CONDUCTIVE POLYELECTROLYTES FOR LI BAT-TERIES
06/01/2001 - 12/31/2003 FY02: $0 Total: $90,000
Prin. Invest.: D F SHRIVER
Tech. Officer: GRC/R S BALDWIN
CASE Category: 12 – CHEMISTRY

NAG 5 5094 NORTHWESTERN UNIV 4229
THE DEVELOPMENT OF A FOCUSING SYSTEM FOR 40-100 KEV X-RAYS
11/22/1996 - 03/31/2003 FY02: $0 Total: $497,000
Prin. Invest.: M P ULMER
Tech. Officer: GSFC/L W GURKIN
CASE Category: 13 – PHYSICS

NAG 5 7011 NORTHWESTERN UNIV 4230
THEORETICAL STUDIES OF X-RAY BURSTS IN ACCRETING N EUTRON STARS_ - ATP
02/18/1998 - 02/14/2003 FY02: $0 Total: $211,710
Prin. Invest.: R E TAAM
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8294 NORTHWESTERN UNIV 4231
LESSER THARSIS VOLCANOES: STYLES OF ERUPTION AND R ELATIONS TO THARIS FLOOD VOLCANISM
02/23/1999 - 03/31/2003 FY02: $0 Total: $132,200
Prin. Invest.: M S ROBINSON
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9188 NORTHWESTERN UNIV 4232
A MULTI-WAVELENGTH STUDY OF THE INNER 50 PC-REGION AT THE GALACTIC GALACTIC CENTER (LTS99)
03/07/2000 - 03/14/2005 FY02: $0 Total: $75,425
Prin. Invest.: F YUSEF-ZADEH
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9272 NORTHWESTERN UNIV 4233
SMALL-SCALE STRUCTURE IN THE DIFFUSE INTERSTELLAR MEDIUM (LTSA 99)
03/16/2000 - 03/14/2003 FY02: $0 Total: $181,895
Prin. Invest.: D MEYER
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10306 NORTHWESTERN UNIV 4234
ANDEAN MOUNTAIN BUILDING: AN INTEGRATED TOPOGRAPH IC, GPS, SEISMOLOGICALAND NUMERICAL STUDY (SENH99
01/30/2001 - 03/14/2003 FY02: $0 Total: $50,000
Prin. Invest.: S STEIN
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10323 NORTHWESTERN UNIV 4235
SMALL-SCALE INTERSTELLAR STRUCTURE TOWARD THE OPEN CLUSTER CHI PERSEI (FUSE 00)
01/30/2001 - 01/31/2003 FY02: $0 Total: $71,700
Prin. Invest.: D M MEYER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10324 NORTHWESTERN UNIV 4236
THE PHYSICAL CHARACTER OF SMALL-SCALE INTERSTELLAR STRUCTURES (FUSE 00)
01/30/2001 - 01/31/2003 FY02: $0 Total: $45,100
Prin. Invest.: J T LAUROESCH
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10465 NORTHWESTERN UNIV 4237
ANOMALOUS OXYGEN AND KRYPTON ABUNDANCES IN INTER- STELLAR GAS (FUSE 00)
03/02/2001 - 02/28/2003 FY02: $0 Total: $66,200
Prin. Invest.: D M MEYER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10598 NORTHWESTERN UNIV 4238
COLLABORATIVE EFFORT BETWEEN NASA AND PROFESSOR ME L ULMER
03/16/2001 - 03/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: M ULMER
Tech. Officer: GSFC/W ZHANG
CASE Category: 11 – ASTRONOMY

NAG 5 10847 NORTHWESTERN UNIV 4239
ALBEDO, COLOR, AND TOPOGRPAHIC STUDIES OF THE MOON AND MERCURY
05/03/2001 - 05/14/2002 FY02: $0 Total: $31,000
Prin. Invest.: M S ROBINSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11396 NORTHWESTERN UNIV 4240
BINARY STARS AND GLOBAL CLUSTER DYNAMICS
01/24/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: F A RASIO
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11457 NORTHWESTERN UNIV 4241
GAN PHOTO-CATHODE STRUCTURES FOR DETECTION AND IMA GING IN THE UV
12/17/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: M P ULMER
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12018 NORTHWESTERN UNIV 4242
QUANTITATIVE STUDIES IN PLANETARY VOLCANISM
04/11/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: M S ROBINSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 12044 NORTHWESTERN UNIV 4243
BINARY STARS AND GLOBULAR CLUSTER DYNAMICS
04/17/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: F A RASIO
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12157 NORTHWESTERN UNIV 4244
ANALYSIS OF MARS MAGNETIC LINEATIONS FOR TRUE POLA R WANDER, REVERSALS, &CRUSTAL ACCRETION
05/08/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: D JURDY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12587 NORTHWESTERN UNIV 4245
LUNAR POLAR INVESTIGATIONS
09/18/2002 - 09/14/2004 FY02: $0 Total: $0
Prin. Invest.: B BUSSEY
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1660 NORTHWESTERN UNIV 4246
EVOLUTION OF DENDRITE MORPHOLOGY DURING ISOTHERMAL COARSENING
04/24/2000 - 11/30/2003 FY02: $0 Total: $135,000
Prin. Invest.: J ALKEMPER
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1053 **NORTHWESTERN UNIV** **4247**
RESEARCH FOR ROTATION MEMBRANE WATER PURIFICATION
12/10/1998 - 12/14/2002 FY02: $0 Total: $520,029
Prin. Invest.: R M LUEPTOW
Tech. Officer: JSC/N PACKMAN
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1297 **NORTHWESTERN UNIV** **4248**
PILOT STUDY: ACOUSTIC ATTENUATION AS A REA-TIME GA SEOUS PROCESS CONTROL MONITOR
05/01/2001 - 06/30/2002 FY02: $0 Total: $56,758
Prin. Invest.: R M LUEPTOW
Tech. Officer: JSC/D RUSSO
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 9 1398 **NORTHWESTERN UNIV** **4249**
ADVANCING ROTATING MEMBRANE WATER PURIFICATION FOR HUMAN LIFE SUPPORT IN SPACE
02/20/2002 - 02/19/2005 FY02: $0 Total: $0
Prin. Invest.: R N LUEPTOW
Tech. Officer: JSC/K DAUES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 9 02003 **NORTHWESTERN UNIV** **4250**
THERMAL IONIZATION MASS SPECTROMETER
02/07/2002 - 03/30/2002 FY02: $0 Total: $0
Prin. Invest.: K MCKEEGAN
Tech. Officer: JSC/ESTANSBERY
CASE Category: 56 – MEDICL

NCC 1 01002 **NORTHWESTERN UNIV** **4251**
NANO-, MICRO- & MACRO-MECHANICS OF NANOREINFORCED POLYMERIC MATERIALS
12/13/2000 - 08/31/2003 FY02: $0 Total: $73,467
Prin. Invest.: L C BRINSON
Tech. Officer: LARC/T S GATES
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 02007 **NORTHWESTERN UNIV** **4252**
MICROMECHANICS-CONTIUUM-NUMERICAL MODELING OF SHAPE MEMORY ALLOYS
01/16/2002 - 01/15/2005 FY02: $0 Total: $0
Prin. Invest.: L C BRINSON
Tech. Officer: LARC/T L TURNER, LARC/K P SHEPHERD
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 2 1013 **NORTHWESTERN UNIV** **4253**
PROPHESY: A HIERARCHICAL TOOL FOR MODELING & ANAL YZING PARALLEL SCIENTIFIC APPLICATIONS
01/27/1998 - 09/30/2002 FY02: $0 Total: $269,931
Prin. Invest.: V E TAYLOR
Tech. Officer: ARC/A GRADY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1098 **NORTHWESTERN UNIV** **4254**
AN INVESTIGATION OF THE EFFECTS OF OUTSOURCING MAI NTENANCE ON TASK PERFORMANCE
03/15/1999 - 06/30/2002 FY02: $0 Total: $295,136
Prin. Invest.: E J CZEPIEL
Tech. Officer: ARC/B G KANKI, ARC/M CONNORS
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 3 870 **NORTHWESTERN UNIV** **4255**
SYNTHESIS, MICROSTRUCTURE AND PROPERTIES OF NICKEL ALUMINIDE FOAMS
02/28/2001 - 12/31/2002 FY02: $0 Total: $49,967
Prin. Invest.: D C DUNAND
Tech. Officer: GRC/M V NATHAL
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 3 52378 **NORTHWESTERN UNIV** **4256**
GRADUATE STUDENT RESEARCHERS PROGRAM GRADUATE STUDENT RESEARCHERS PROGRAM
06/21/2001 - 08/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: D N SEIDMAN
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 88 **NORTHWESTERN UNIV** **4257**
DEVELOPMENT OF A MOVING GRID RETARDER FOR SUBMILLI METER POLARIMETRY OF SGR B2 (STUDENT: DAVID CHUS
05/26/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: G NOVAK
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 90 **NORTHWESTERN UNIV** **4258**
HIGH DETECTION EFFICIENCY PHOTON COUNTERS AT 1064N M AND THEIR USE IN A NOVEL QUANTUM IMAGING SCHEME
06/03/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: P KUMAR
Tech. Officer: GSFC/M S BURRELL
CASE Category: 45 – ELECTRICAL ENGR

NGT 5 30456 **NORTHWESTERN UNIV** **4259**
HETEREGENEOUS NOXCHEMISTRY ON METAL OXIDE SURFACES STUDIED USING NON- LINEAR OPTICAL SPECTROSCOPY
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: F GEIGER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30471 **NORTHWESTERN UNIV** **4260**
DATA MINING TECHNIQUES FOR STREAMING DATA STUDENT: YI QIAO
08/27/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: P SCHEUERMANN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50198 **NORTHWESTERN UNIV** **4261**
IMPROVED FEM DYNAMIC SUBSTRUCTURING THROUGH WAVE-B ASED JOINT MODELS
06/18/1998 - 02/28/2002 FY02: $0 Total: $60,500
Prin. Invest.: T IGUSA
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 46 – MECHANICAL ENGR

NGT 5 50263 **NORTHWESTERN UNIV** **4262**
RAPIDLY PROPAGATING BUOYANT FILTRATION COMBUSTION WAVES WITH APPLICATIONS TO SMOLDERING & COMBUSTION
07/09/1999 - 12/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B J MATKOWSKY
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50368 NORTHWESTERN UNIV 4263
THE EFFECT OF GRAIN BOUNDARIES DURING COARSENING IN SOLID-LIQUID MIXTURES_(STUDENT: DAVID ROW
06/18/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: P VOORHEES
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50405 NORTHWESTERN UNIV 4264
INSTABILITIES IN FLAMES SPREADING OVER LIQUID FUELS (STUDENT: TANYA TICKEL)
07/30/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: M MATALON
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7662 SOUTHERN ILLINOIS UNIV - CARBONDALE 4265
'COMPREHENSIVE MODELS OF THE NEAR-EARTH MAGNETIC F IELD:INTER PRETATION OF THE LITHOSPHER
09/09/1998 - 09/14/2002 FY02: $0 Total: $111,000
Prin. Invest.: D RAVAT
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICALSCIENCE

NAG 5 7771 SOUTHERN ILLINOIS UNIV - CARBONDALE 4266
GEOLOGIC INTERPRETATION OF SATELLITE ALTITUDE CRUS TAL MAGNETIC ANOMALY DATA
11/12/1998 - 10/31/2002 FY02: $0 Total: $133,000
Prin. Invest.: D RAVAT
Tech. Officer: GSFC/P T TAYLOR
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9832 SOUTHERN ILLINOIS UNIV - CARBONDALE 4267
GEOLOGICAL ANALYSIS IF THE MARTIAN CRUSTAL MAGNETIC ANOMALIES
07/26/2000 - 07/31/2003 FY02: $0 Total: $42,000
Prin. Invest.: D RAVAT
Tech. Officer: GSFC/P TAYLOR
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 8 1812 SOUTHERN ILLINOIS UNIV - CARBONDALE 4268
ANISOTROPIC EFFECT IN LAMINATE COMPOSITES USING LASER HEATING
05/08/2001 - 06/30/2002 FY02: $0 Total: $38,000
Prin. Invest.: T CHU
Tech. Officer: MSFC/S RUSSELL
CASE Category: 49 – ENGINEERING, OTHER

NGT 1 01026 SOUTHERN ILLINOIS UNIV - CARBONDALE 4269
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/12/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: J SCOTT
Tech. Officer: LARC/R TRIPATHI, LARC/J WILSON
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 50321 SOUTHERN ILLINOIS UNIV - CARBONDALE 4270
ASSESSING MASS WASTING & LANDSLIDE SUSCEPTIBILITY USING GIS & REMOTELY SENSED IMAGERY, SANTA CRUZ IS
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: N PINTER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 2 6050 UNIV OF CHICAGO 4271
CONFERENCE: THE DEVELOPMENTAL BASIS OF EVOLUTIONARY CHANGE
05/25/2001 - 04/30/2002 FY02: $0 Total: $18,583
Prin. Invest.: N H PATEL
Tech. Officer: ARC/R D MAC-ELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 3228 UNIV OF CHICAGO 4272
ABUNDANCES AND PHYSICAL CONDITIONS FOR INDIVIDUALS INTERSTELLAR CLOUDS
05/07/1996 - 04/30/2001 FY02: $0 Total: $479,600
Prin. Invest.: D E WELTY
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 3687 UNIV OF CHICAGO 4273
ACCRETION AND OUTFLOW PHENOMENA IN YOUNG STELLAR O
01/15/1997 - 01/14/2003 FY02: $0 Total: $557,400
Prin. Invest.: A KONIGL
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 4476 UNIV OF CHICAGO 4274
CHEMICAL ASPECTS OF THE ORIGIN OF THE SOLAR SYSTEM
06/09/1997 - 11/30/2002 FY02: $0 Total: $1,081,000
Prin. Invest.: D GROSSMAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4953 UNIV OF CHICAGO 4275
TURBULENT CONVECTION AND ITS ROLE IN ACOUSTIC EMIS
06/23/1997 - 04/30/2002 FY02: $0 Total: $364,844
Prin. Invest.: D CATTANEO
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 5179 UNIV OF CHICAGO 4276
ORIGINS OF GALACTIC COSMIC RADIATION: TESTING ALTERNATE MODELS WITH RADIOACTIVE & STABLE ISOTOPE
03/09/1998 - 03/31/2002 FY02: $0 Total: $116,000
Prin. Invest.: J A SIMPSON
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5223 UNIV OF CHICAGO 4277
GRANT NAG5-5223 - HIGH ENERGY ANTIMATTER TELESCOPE (HEAT) PI DR. DIETRICH MULLER
03/16/1999 - 11/30/2002 FY02: $0 Total: $485,000
Prin. Invest.: D MULLER
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5229 UNIV OF CHICAGO 4278
GRANT NAG5-5229 STUDIES OF THE COSMIC RADIATION AT HIGH ENERGIES PI PROF SWORDY
03/16/1999 - 11/30/2002 FY02: $0 Total: $752,000
Prin. Invest.: SWORDY
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5305 **UNIV OF CHICAGO** **4279**
EXPERIMENTS IN HIGH ENERGY ASTROPHYSICS: THE TRACER PROJECT
01/09/2001 - 11/30/2003 FY02: $0 Total: $400,000
Prin. Invest.: D MULLER
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 6405 **UNIV OF CHICAGO** **4280**
STRUCTURE, KINEMATICS & ABUNDANCES IN LOCAL ISM (LTSA)
10/10/1997 - 10/14/2002 FY02: $0 Total: $263,099
Prin. Invest.: P FRISCH
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6972 **UNIV OF CHICAGO** **4281**
MASS LOSS KINETICS AND ISOTOPE FRACTIONATIN OF MOL TEN CAI COMPOSITIONS
03/13/1998 - 05/31/2001 FY02: $0 Total: $100,000
Prin. Invest.: F M RICHTER
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7307 **UNIV OF CHICAGO** **4282**
KINETICS OF VOLATILIZATION OF INTERSTELLAR GRAINS
04/22/1998 - 03/31/2001 FY02: $0 Total: $158,800
Prin. Invest.: L GROSSMAN
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7731 **UNIV OF CHICAGO** **4283**
RADIATIVE-DYNAMIC PROBLEMS RELATED TO THE ATMOSPHE RE OF EARLY MARS
09/24/1998 - 09/30/2002 FY02: $0 Total: $219,256
Prin. Invest.: R PIERREHUMBERT
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 7986 **UNIV OF CHICAGO** **4284**
GALAXY CLUSTERS AS COSMOLOGICAL PROBES: ANALYSES O F X-RAY, LENSING, AND SUNYAEV ZEL'DOVICH MEASUREM
01/03/1999 - 12/31/2003 FY02: $0 Total: $381,902
Prin. Invest.: J E CARLSTROM
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8032 **UNIV OF CHICAGO** **4285**
ASTROPHYSICAL STUDIES WITH IMP SATELLITE DATA
01/19/1999 - 03/31/2002 FY02: $0 Total: $240,297
Prin. Invest.: C LOPATE
Tech. Officer: GSFC/J KING
CASE Category: 11 – ASTRONOMY

NAG 5 8163 **UNIV OF CHICAGO** **4286**
THE JOURNEY OF THE SUN - A VIRTUAL REALITY SIMULAT ION
02/08/1999 - 01/31/2003 FY02: $0 Total: $363,125
Prin. Invest.: P C FRISCH
Tech. Officer: GSFC/P HUNTER
CASE Category: 11 – ASTRONOMY

NAG 5 8539 **UNIV OF CHICAGO** **4287**
PRIOR GRANT:NAG5-3253 CONTINUATION OF MAP SCIENCE SUPPORT ACTIVITIES BEING IMPLEMENTED BY THE MAP
08/17/1999 - 08/14/2004 FY02: $0 Total: $307,723
Prin. Invest.: S MEYER
Tech. Officer: GSFC/C BENNETT
CASE Category: 11 – ASTRONOMY

NAG 5 8708 **UNIV OF CHICAGO** **4288**
RADIO INTERFEROMETRIC STUDIES OF COMETS AND ASTERO IDS
07/20/1999 - 12/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: P PALMER
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9016 **UNIV OF CHICAGO** **4289**
PROPOSAL TO THE NASA ESS HPCC PROGRAM
02/01/2000 - 01/31/2001 FY02: $0 Total: $29,335
Prin. Invest.: D OLSON
Tech. Officer: GSFC/D SPICER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 9063 **UNIV OF CHICAGO** **4290**
DISK-DRIVEN OUTFLOWS IN ACTIVE GALACTIC NUCLEI - ATP-99
02/14/2000 - 02/14/2003 FY02: $0 Total: $119,145
Prin. Invest.: A KONIGL
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9303 **UNIV OF CHICAGO** **4291**
LABORATORY STUDIES OF HETEROGENEOUS CHEMISTRY IT T HE UPPER TROPSPHERE. NRA-97-OASTT-01 DATED JANUA
03/22/2000 - 03/31/2002 FY02: $0 Total: $76,130
Prin. Invest.: D ABBATT
Tech. Officer: GSFC/R LAWRENCEQ
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9378 **UNIV OF CHICAGO** **4292**
MASS LOSS KINETICS AND ISOTOPE FRACTIONATION OF MOLTEN CAI COMPOSITIONS
04/03/2000 - 03/31/2003 FY02: $0 Total: $117,000
Prin. Invest.: F RICHTER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9510 **UNIV OF CHICAGO** **4293**
REFRACTORY INCLUSIONS IN CARBONACEOUS CHONDRITES
04/25/2000 - 04/30/2003 FY02: $0 Total: $180,000
Prin. Invest.: A M DAVIS
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9583 **UNIV OF CHICAGO** **4294**
SEARCH FOR NEW VIBRATIONAL AND ELECTRONIC SPECTRA OF MOLECU-LAR IONS OF ASTROPHYSICAL INTEREST
05/09/2000 - 05/14/2001 FY02: $0 Total: $65,940
Prin. Invest.: T OKA
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9800 UNIV OF CHICAGO 4295
SIDEROPHILE ELEMENT MICROANALYSIS BY LASER ABLATION ICPMS
07/14/2000 - 06/30/2003 FY02: $0 Total: $100,000
Prin. Invest.: M HUMAYUN
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10370 UNIV OF CHICAGO 4296
ABUNDANCES AND PHYSICAL CONDITIONS IN THE SMC ISM (FUSE 00)
02/08/2001 - 04/30/2003 FY02: $0 Total: $64,700
Prin. Invest.: D E WELTY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10634 UNIV OF CHICAGO 4297
ISOTOPIC STUDIES OF THE MOON AND METEORITES
03/17/2001 - 03/14/2002 FY02: $0 Total: $170,000
Prin. Invest.: R CLAYTON
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10759 UNIV OF CHICAGO 4298
STUDIES OF GAMMA-RAY BURSTS (LTSA 2000)
04/23/2001 - 04/30/2002 FY02: $0 Total: $63,000
Prin. Invest.: D Q LAMB
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10831 UNIV OF CHICAGO 4299
FAST DYNAMOS AND THE ORIGIN OF SMALL SCALE PHOTO SPHERIC FIELDS
04/26/2001 - 04/30/2004 FY02: $0 Total: $107,051
Prin. Invest.: F CATTANEO
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10840 UNIV OF CHICAGO 4300
CMB AND ITS RELATION TO LARGE-SCALE STRUCTURE (ATP 2000)
05/11/2001 - 05/14/2004 FY02: $0 Total: $68,821
Prin. Invest.: W HU
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10878 UNIV OF CHICAGO 4301
COSMIC RAY INTERSTELLAR PROPAGATION (ATP 2000)
05/08/2001 - 05/31/2004 FY02: $0 Total: $21,082
Prin. Invest.: J J CONNELL
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11005 UNIV OF CHICAGO 4302
BOUNDARY CONDITIONS OF THE HELIOSPHERE: FLUCTUATIONS IN NEARBY INTERSTELLAR GAS
06/05/2001 - 05/31/2004 FY02: $0 Total: $79,908
Prin. Invest.: P C FRISCH
Tech. Officer: GSFC/W J WAGNER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11043 UNIV OF CHICAGO 4303
PATHFINDER ALPHA PROTON X-RAY SPECTROMETER DATA ANALYSIS & INTERPRETATION
06/13/2001 - 05/31/2002 FY02: $0 Total: $110,000
Prin. Invest.: T ECONOMOU
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11380 UNIV OF CHICAGO 4304
UNIV OF CHICAGO TOPHAT COLLABORATION
10/30/2001 - 04/30/2002 FY02: $30,000 Total: $30,000
Prin. Invest.: S S MEYER
Tech. Officer: GSFC/E S CHENG
CASE Category: 11 – ASTRONOMY

NAG 5 11413 UNIV OF CHICAGO 4305
ABUNDANCES AND PHYSICAL CONDITIONS IN THE INTER- STELLAR MEDIUM OF THE MAGELLANIC CLOUDS.
12/20/2001 - 04/30/2007 FY02: $0 Total: $0
Prin. Invest.: D E WELTY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11443 UNIV OF CHICAGO 4306
ANALYSIS OF TOPHAT DATA
12/19/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: S MEYER
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11568 UNIV OF CHICAGO 4307
ISOTOPIC STUDIES OF THE MOON AND METEORITES
02/21/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: R N CLAYTON
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11588 UNIV OF CHICAGO 4308
CHEMICAL ASPECTS OF THE ORIGIN OF THE SOLAR SYSTEM
01/10/2002 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: L GROSSMAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11793 UNIV OF CHICAGO 4309
NEW NUCLEAR TECHNIQUE FOR WATER, HYDROGEN AND DEUTERIUM DETERMINATION IN PLANETARY SURFACES
02/28/2002 - 02/28/2004 FY02: $0 Total: $0
Prin. Invest.: T E ECONOMOU
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11860 UNIV OF CHICAGO 4310
ASTROPHYSICAL STUDIES WITH IMP SATELLITE DATA.
04/01/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: C LOPATE
Tech. Officer: GSFC/J KING
CASE Category: 11 – ASTRONOMY

NAG 5 11903 UNIV OF CHICAGO 4311
CONSTRUCT NEXT GENERATION NOBEL GAS MASS SPECTRO- METER FOR ULTIMATELY SMALL SAMPLES
04/04/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: R S LEWIS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11999 UNIV OF CHICAGO 4312
JOURNEY OF THE SUN: A VIRTUAL REALITY SIMULATION.
05/01/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: P C FRISCH
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12153 **UNIV OF CHICAGO** **4313**
ULTERA-HIGH ENERGY PARTICLES FROM SPACE
05/13/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: A OLINTO
Tech. Officer: GSFC/MSALAMON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1096 **UNIV OF CHICAGO** **4314**
GENESIS PHASE C/D
04/02/1999 - 04/11/2002 FY02: $0 Total: $69,100
Prin. Invest.: M HUMAYYO
Tech. Officer: JSC/K CYR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1306 **UNIV OF CHICAGO** **4315**
SUPPORT DATA ACQUISITON FROM SPADUS INSTRUMENT
05/23/2001 - 09/30/2002 FY02: $0 Total: $29,413
Prin. Invest.: A J TUZZOLINO
Tech. Officer: JSC/E G STANSBERY
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1436 **UNIV OF CHICAGO** **4316**
SUBSTRATE COMPOSITION FOR GENESIS MSSION MATERIALS
06/25/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M HUMAYUN
Tech. Officer: JSC/N ROBERTSON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 1103 **UNIV OF CHICAGO** **4317**
NUMERICAL EXPERIMENTS ON THE DYNAMICS OF GALAXIES
04/01/1999 - 08/31/2001 FY02: $0 Total: $5,000
Prin. Invest.: R N MILLER
Tech. Officer: ARC/B F SMITH
CASE Category: 11 – ASTRONOMY

NCC 5 653 **UNIV OF CHICAGO** **4318**
FREQUENCY SELECTIVE BOLOMETER DEMONSTRATION FOR TH E EDGE MISSION
08/21/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: S S MEYER
Tech. Officer: GSFC/C SAVINELL
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 86 **UNIV OF CHICAGO** **4319**
MEASUREMENTS OF ANISOTROPY IN THE COSMIC MICROWAVE BACK-GROUND WITH THE TOPHAT-SPINNER TELESCOPE/STU
05/20/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: S MEYER
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 50173 **UNIV OF CHICAGO** **4320**
X-RAY AND SUNYAEV-ZEL'DOVICH IMAGING OF GALAXY CLU STERS AS A COSMOLOGICAL PROBE
05/22/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: J E CARLSTROM, REESE
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 11 – ASTRONOMY

NGT 8 52906 **UNIV OF CHICAGO** **4321**
CONSTRAINING COSMOLOGY WITH THE CHANGDRA AND XMM OBSERVA-TORIES
05/25/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: J CARLSTROM
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 11 – ASTRONOMY

NGT 8 52921 **UNIV OF CHICAGO** **4322**
GRADUATE STUDENT RESEARCH PROGRAM - FOR GRAD STDNT DASIUKE NAGAI
07/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: J CARLSTORM
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 11 – ASTRONOMY

NAG 1 01065 **UNIV OF ILLINOIS - CHICAGO CIRCLE** **4323**
TELECOLLABORATIVE DESIGN & SIMULATION IN IMMERSIVE VIRTUAL ENVIRONMENT
05/29/2001 - 11/30/2004 FY02: $0 Total: $61,000
Prin. Invest.: P BANERJEE
Tech. Officer: LARC/C A SANDRIDGE
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1358 **UNIV OF ILLINOIS - CHICAGO CIRCLE** **4324**
AN ULTRASTRUCTURAL STUDY OF DEVELOPMENT IN VESTIBU LAR HAIR CELLS, & THEIRCELLULAR RESPONSES TO HYP
07/23/1999 - 06/30/2003 FY02: $0 Total: $308,883
Prin. Invest.: A LYSAKOWSKI
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2450 **UNIV OF ILLINOIS - CHICAGO CIRCLE** **4325**
DESIGN OF GEAR DRIVES WITH HIGH GEAR RATIO DESIGN OF GEAR DRIVES WITH HIGHGEAR RATIO
06/09/2000 - 09/30/2003 FY02: $0 Total: $120,000
Prin. Invest.: D L LITVIN
Tech. Officer: GRC/R F HANDSCHUH
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2456 **UNIV OF ILLINOIS - CHICAGO CIRCLE** **4326**
MOLTEN-METAL DROPLET DEPOSITION ON A MOVING SUBSTR ATE IN MICROGRAVITY: AIDING THE DEVELOPMENT OF NO
06/08/2000 - 11/30/2003 FY02: $0 Total: $116,276
Prin. Invest.: D M MEGARIDIS
Tech. Officer: GRC/W B DUVAL
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9427 **UNIV OF ILLINOIS - CHICAGO CIRCLE** **4327**
ANTARCTIC DRY VALLEY LAKES: ANALOGS OF ANICENT MARTIAN LACUS-TRINE SYSTEMS
04/11/2000 - 04/14/2003 FY02: $0 Total: $130,502
Prin. Invest.: P DORAN
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10334 **UNIV OF ILLINOIS - CHICAGO CIRCLE** **4328**
CARRIER LIFE TIME ENHANCEMENT USING HGCDTE/CDZNTE STRAINED-LAYER SUPERLATTICES FOR NEAR ROOM
01/31/2001 - 01/31/2004 FY02: $0 Total: $257,233
Prin. Invest.: C GREIN
Tech. Officer: GSFC/R MARTINEAU
CASE Category: 13 – PHYSICS

NAG 5 10398 UNIV OF ILLINOIS - CHICAGO CIRCLE 4329
HIGH SPEED/HIGH ACCURACY MICRO-MIRRORS FOR ADAPT- ABLE SURFACES AND MULTIPLE SHUTTERS
02/13/2001 - 02/29/2004 FY02: $0 Total: $167,383
Prin. Invest.: A FEINERMAN
Tech. Officer: GSFC/M DUTTA
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1473 UNIV OF ILLINOIS - CHICAGO CIRCLE 4330
MICROGRAVITY INVESTIGATION OF DYNAMIC OXYGEN ABSORPTION IN MOLTEN SOLDER JETTING
04/13/1998 - 01/31/2002 FY02: $0 Total: $358,333
Prin. Invest.: C MEGARIDIS
Tech. Officer: MSFC/C TALLEY
CASE Category: 46 – MECHANICAL ENGR

NCC 3 655 UNIV OF ILLINOIS - CHICAGO CIRCLE 4331
EXPERIMENTS AND MODEL DEVELOPMENT FOR INVESTIGATIO N OF SOOTING AND RADIATION EFFECTS IN MICROGRAVIT
12/29/1998 - 10/25/2001 FY02: $0 Total: $191,606
Prin. Invest.: Y CHOI
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING,OTHER

NCC 3 688 UNIV OF ILLINOIS - CHICAGO CIRCLE 4332
GRAVITATIONAL EFFECTS ON PARTIALLY-PREMIXED FLAMES GRAVITATIONAL EFFECTS ON PARTIALLY-PREMIXED FLAME
03/16/1999 - 03/09/2003 FY02: $0 Total: $262,508
Prin. Invest.: D K PURI
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 694 UNIV OF ILLINOIS - CHICAGO CIRCLE 4333
THE EXTINCTION OF LOW STRAIN RATE DIFFUSION FLAMES BY AN AGENT IN MICROGRAVITY
03/22/1999 - 03/21/2003 FY02: $0 Total: $72,476
Prin. Invest.: I K PURI
Tech. Officer: GRC/S L OLSON
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 50214 UNIV OF ILLINOIS - CHICAGO CIRCLE 4334
EXPERIMENTAL INVESTIGATION OF ENVIRONMENT OXYGEN C ONTENT IN SOLDER JET TECHNOLOGY (STUDENT: ERIC
07/22/1998 - 07/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: C M MEGARIDIS
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 46 – MECHANICAL ENGR

NGT 5 50406 UNIV OF ILLINOIS - CHICAGO CIRCLE 4335
REGULATION OF PROTEIN SYNTHESIS BY STRAIN INDUCED SIGNALING EVENTS
07/31/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: K ESSER
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2221 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4336
EVALUATION INTERACTIONS BETWEEN CHEMICAL AND CLIMATE PROCESSES IN THE TROPOSPHERE & STRATOSPHER
08/20/1999 - 07/31/2002 FY02: $0 Total: $168,770
Prin. Invest.: D J WUBBLES
Tech. Officer: LARC/G MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01026 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4337
DEFINING THE RELATIONSHIP BETWEEN HUMAN ERROR CLASSES AND TECHNOLOGY INTERVENTION STRATEGIES
02/01/2001 - 12/31/2001 FY02: $0 Total: $85,076
Prin. Invest.: D A WIEGMANN, E M RANTANEN
Tech. Officer: LARC/B J BOLAND
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01035 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4338
DEV OF NANOCRYSTALLINE TIA1 ALLOYS FOR SPACE APPLICATIONS
02/21/2001 - 09/30/2002 FY02: $0 Total: $67,196
Prin. Invest.: R S AVERBACK
Tech. Officer: LARC/S J HALES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01114 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4339
JOHN C. HOUBOLT PAPERS
08/16/2001 - 08/20/2003 FY02: $0 Total: $33,560
Prin. Invest.: W J MAHER
Tech. Officer: LARC/R E MCKINLEY, LARC/W P GIBERT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02013 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4340
DEV OF NANOCRYSTALLINE TIAI ALLOYS FOR SPACE APPLICATIONS
12/07/2001 - 12/06/2002 FY02: $0 Total: $0
Prin. Invest.: R S AVERBACK, P BELLON
Tech. Officer: LARC/S J HALES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02032 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4341
DEFINING THE RELATIONSHIP BETWEEN HUMAN ERROR CLAS SES AND TECHNOLOGY INTERVENTIOIN STRATEGIES
01/14/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: D A WIEGMANN
Tech. Officer: LARC/V K CRISP
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02071 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4342
THE PRIMARY FLIDHT DISPLAY AND ITS PATHWAY GUIDANCE: WORKLOAD, PERFORMANCE & SITUATION AWARE
03/12/2002 - 10/11/2002 FY02: $0 Total: $0
Prin. Invest.: C WICKENS
Tech. Officer: LARC/L J PRINZEL, LARC/R COMSTOCK
CASE Category: 41 – AERONAUTICALENGNR

NAG 2 1120 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4343
SEAMLESS DISPLAYS FOR AIRCRAFT LANDING
03/27/1997 - 05/31/2002 FY02: $0 Total: $387,293
Prin. Invest.: C D WICKENS
Tech. Officer: ARC/D C FOYLE
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 1282 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4344
INCREMENTAL TRANSFER OF TRAINING EFFECTIVENESS OF AVIATION TRAINING DEVICES
01/13/1999 - 01/31/2002 FY02: $0 Total: $278,259
Prin. Invest.: H L TAYLOR, G L BRADSHAW, T W EMANUEL
Tech. Officer: ARC/I BARSHI
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 1406 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4345
QOS PROGRAMMING AND DEVELOPMENT ENVIONMENT
05/08/2000 - 05/31/2003 FY02: $0 Total: $200,000
Prin. Invest.: K NAHRSTEDT
Tech. Officer: ARC/K A FREEMEN
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1424 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4346
NEXT GENERATION MODELING OF DAMAGE TOLERANCE FOR R ISK ASSESSMENT & MITIGATION IN HIGH PERFORMANCE S
07/20/2000 - 10/14/2002 FY02: $0 Total: $268,858
Prin. Invest.: R H DODDS
Tech. Officer: ARC/T L PANONTIN
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 2 1535 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4347
ATTENTIONA DN AVIATION DISPLAY LAYOUT: RESERCH AND MODELING
02/26/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: C D WICKENS
Tech. Officer: ARC/D FOYLE
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 3 2122 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4348
FLUID PHYSICS OF FOAM EVOLUTION AND FLOW FLUID PHYSICS OF FOAM EVOLUTION AND FLOW
02/13/1998 - 01/06/2003 FY02: $0 Total: $400,345
Prin. Invest.: H AREF
Tech. Officer: GRC/B S SINGH
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2135 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4349
SMART ICING SYSTEMS SMART ICING SYSTEMS
03/05/1998 - 11/30/2002 FY02: $0 Total: $1,395,000
Prin. Invest.: M B BRAGG, P G VOUHARIS, N B SURTER
Tech. Officer: GRC/T H BOND, GRC/M G PETAPCZUK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2263 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4350
WIDEBAND CDMA FOR A SATCOM BASED AVIONICS NETWORK WIDEBAND CDMA FOR A SATCOM BASED AVIONICS NETWORK
05/03/1999 - 03/31/2002 FY02: $0 Total: $108,598
Prin. Invest.: U MADHOW
Tech. Officer: GRC/K S CHUN
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2314 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4351
DEVELOPMENT OF A NEW SHAPE OPTIMIZATION TOOL FOR 3 D TRAN-SONIC COMPRESSORS BASED ON NAVIER-STOKES PH
12/30/1999 - 10/31/2002 FY02: $0 Total: $89,808
Prin. Invest.: K D LEE
Tech. Officer: GRC/E R MCFARLAND
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2516 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4352
SMOLDER-EDGE-WAVES AND EDGE-FLAMES SMOLDER-EDGE-WAVES AND EDGE-FLAMES
12/22/2000 - 11/30/2004 FY02: $0 Total: $64,911
Prin. Invest.: J D BUCKMASTER
Tech. Officer: GRC/M C HICKS
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 3 2555 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4353
RECONFIGURABLE ANTENNAS FOR HIGH DATA RATE MULTI-B EAM COM-MUNICATION SYSTEMS
03/01/2001 - 02/28/2004 FY02: $0 Total: $101,749
Prin. Invest.: D BERNHARD
Tech. Officer: GRC/R R ROMANOFSKY
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2599 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4354
DEEP ET CHING OF AIN USING INDUCTIVELY-COUPLED-PLA SMA REACTIVE ION ETCHING METHOD
04/27/2001 - 09/30/2002 FY02: $0 Total: $15,000
Prin. Invest.: I ADESIDA
Tech. Officer: GRC/R S OKOJIE
CASE Category: 12 – CHEMISTRY

NAG 3 2623 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4355
VIRTUAL ICING RESEARCH TUNNEL VIRTUAL ICING RESEARCH TUNNEL
05/31/2001 - 05/31/2004 FY02: $0 Total: $47,780
Prin. Invest.: E LOTH
Tech. Officer: GRC/M G POTAPCZUK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2661 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4356
NANOPOROUS SILICON CARBIDE FOR NANOELECTROMECHANIC AL SYS-TEMS APPLICATIONS
12/31/2001 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: I ADESIDA
Tech. Officer: GRC/L G MATUS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2662 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4357
JET NOISE PHYSICS AND MODELING USING FIRST-PRINCIP LES SIMULA-TIONS
12/22/2001 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: J FREUND
Tech. Officer: GRC/J E BRIDGES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2747 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4358
DEEP ETCHING OF WIDE BANDGAP SEMICONDUCTORS USING INDUC-TIVELY
04/12/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: I ADESIDA
Tech. Officer: GRC/R S OKOJIE
CASE Category: 43 – CHEMICAL ENGR

NAG 3 2764 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4359
THREE-DIMENSIONAL REFLECTION-MATE NEWR-FIELD MICRO SCOPY FOR MICROFLUIDIC PHENOMA
04/08/2002 - 03/12/2006 FY02: $0 Total: $0
Prin. Invest.: P S CARNEY
Tech. Officer: GRC/D G FISHER
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2791 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4360
TECHNOLOGIES FOR IMPROVEMENT OF THE OTIS PROGRAM TECHNOLO-GIES FOR IMPROVEMENT OF THE OTIS PROGRAM
07/09/2002 - 07/04/2004 FY02: $0 Total: $0
Prin. Invest.: B CONWAY
Tech. Officer: GRC/J P RIEHL
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 2040 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4361
EOSDIS VERSION O STANDARD DATA FORMAT SUPPORT
07/16/1992 - 12/31/2001 FY02: $0 Total: $3,384,897
Prin. Invest.: M FOLK
Tech. Officer: GSFC/C CARLISLE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 5241 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4362
A SOUNDING ROCKET INVESTIGATION PI DR. C GARDNER
02/12/1999 - 02/08/2003 FY02: $0 Total: $105,690
Prin. Invest.: C GARDNER
Tech. Officer: GSFC/W JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5368 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4363
LAYERS IN THE EQUATORIAL MESOSPHERE, MOTIONS AND A EROSOL ROCKET AND RADAR STUDY (LEMMA)
06/19/2002 - 06/10/2005 FY02: $0 Total: $0
Prin. Invest.: E KUDEKIE
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5377 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4364
INVESTIGATION OF DC ELECTRIC FIELDS, WINDS, AND PL ASMA DENSITY STRUCTUREIN THE NIGHTTIME EQUATORIAL
06/19/2002 - 06/10/2005 FY02: $0 Total: $0
Prin. Invest.: E KUDEKI
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 7152 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4365
ROTATING AND BINARY NEUTRON STARS IN GENERAL RELAT IVITY - ATP
03/05/1998 - 03/14/2001 FY02: $0 Total: $166,136
Prin. Invest.: S L SHAPIRO
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8104 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4366
ORIGIN OF X-RAY EMISSION FROM PLANETARY NEBULAE-AD P 98
02/05/1999 - 10/31/2002 FY02: $0 Total: $78,000
Prin. Invest.: U CHU
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8418 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4367
SUPERNOVA FALLBACK AND THE EMERGENCE OF BLACK HOLE S AND NEUTRON STARS (ATP 98)
03/25/1999 - 04/30/2002 FY02: $0 Total: $189,000
Prin. Invest.: S L SHAPIRO
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8424 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4368
X-RAY SPECTRA AND VARIABILITY OF ACCRETING NEUTRON STARS- ATP-98
04/15/1999 - 10/14/2002 FY02: $0 Total: $298,030
Prin. Invest.: F K LAMB
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8479 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4369
EARLY EVOLUTION: THE UNIVERSAL ANCESTOR AND ORIGIN OF MODERN CELL
05/04/1999 - 04/30/2003 FY02: $0 Total: $500,140
Prin. Invest.: G OLSEN
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8521 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4370
RADIO INTERFEROMETRIC STUDIES OF COMETS & ASTEROID
06/25/1999 - 06/30/2001 FY02: $0 Total: $60,000
Prin. Invest.: L SYNDER
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8555 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4371
MULTISCALE ESTIMATION, ERROR PROPAGATION AND SCALE EFFECTS IN THE DYNAMICAL RESPONSE OF SOIL-MOISTUR
06/21/1999 - 06/30/2003 FY02: $66,932 Total: $175,976
Prin. Invest.: P KUMAR
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8569 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4372
THE WAVES EXPLORER
05/25/1999 - 08/31/2001 FY02: $0 Total: $800,000
Prin. Invest.: G R SWENSON
Tech. Officer: GSFC/M MELLOTT
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8740 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4373
SIMULATION OF TURBULENT MIXING AND PROPAGATION OF NUCLEAR BURNING IN THESURFACE LAYERS OF ACCRETING
08/12/1999 - 07/31/2003 FY02: $0 Total: $47,000
Prin. Invest.: F LAMB
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8781 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4374
INTEGRATED BIOMIMETIC SENSORS USING ARTIFICIAL HAIR CELLS
08/27/1999 - 08/31/2003 FY02: $0 Total: $309,085
Prin. Invest.: C LIU
Tech. Officer: GSFC/S DAVIDSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8871 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4375
CORE ANGULAR MOMENTUM & THE IERS COORDINATING CTR/ SUB-CENTERS ACTIVITYFOR MONITORING GLOBAL GEOPHY
10/19/1999 - 08/31/2002 FY02: $0 Total: $59,200
Prin. Invest.: X SONG
Tech. Officer: GSFC/B F CHAO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9180 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4376
EVOLUTIONARY MODELS OF COLD, MAGNETIZED, INTERSTEL LAR CLOUDS (ATP 99)
03/07/2000 - 03/14/2003 FY02: $0 Total: $102,076
Prin. Invest.: C F GAMMIE
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10011 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4377
HOT GAS IN AND AROUND THE SUPERGIANT SHELL LMC-2
09/25/2000 - 09/30/2002 FY02: $0 Total: $49,400
Prin. Invest.: Y CHU
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10037 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4378
HOT GAS IN WIND BLOWN BUBBLES
09/27/2000 - 09/30/2002 FY02: $0 Total: $34,000
Prin. Invest.: Y CHU
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10042 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4379
NGC 7009: TESTING THE WIND-WIND INTERACTION FORMA TION OF PLANETARY NEBULAE
09/27/2000 - 09/30/2002 FY02: $0 Total: $33,200
Prin. Invest.: Y CHU
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10072 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4380
GRAVITY WAVE STUDIES AT ALBUQUERQUE, NM
10/23/2000 - 10/31/2003 FY02: $0 Total: $33,600
Prin. Invest.: G R SWENSON
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10182 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4381
HOT GAS IN PLANETARY NEBULAE FUSE 2000
01/25/2001 - 01/31/2003 FY02: $0 Total: $59,700
Prin. Invest.: R A GRUENDL
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10303 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4382
MAPPING HOT GAS IN A PRISTINE H, SC II REGION - FUSE - 2000
01/25/2001 - 01/31/2003 FY02: $0 Total: $68,100
Prin. Invest.: Y CHU
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10491 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4383
RADIO INTERFEROMETRIC IMAGING OF COMETS
02/27/2001 - 02/28/2004 FY02: $0 Total: $32,600
Prin. Invest.: L SNYDER
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10754 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4384
GRAVITY WAVES AND AIRGLOW PHASE MEASUREMENTS STUDY
04/20/2001 - 04/30/2002 FY02: $0 Total: $49,879
Prin. Invest.: G SWENSON
Tech. Officer: GSFC/F HERREO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10781 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4385
ROTATING AND BINARY STARS IN GENERAL RELATIVITY (A TP 2000)
04/20/2001 - 04/30/2004 FY02: $0 Total: $89,315
Prin. Invest.: S L SHAPIRO
Tech. Officer: GSFC/R J OLIVERSON
CASE Category: 11 – ASTRONOMY

NAG 5 10942 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4386
A TROPOSPHERE/STRATOSPHERE/MESOSPHERE GCM STUDY OF EEP ON ATMOSPHERIC CHEMICAL COMPOSITION & TROPOS
05/15/2001 - 06/30/2003 FY02: $0 Total: $112,796
Prin. Invest.: M E SCHLESINGER
Tech. Officer: GSFC/J F SPANN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11011 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4387
INTERFEROMETRIC OBSERVATIONS OF MID-LATITUDE SPORADIC-E RA-DAR ECHOES ATFT MACON, NC, & A STUDY
06/07/2001 - 06/14/2002 FY02: $0 Total: $50,000
Prin. Invest.: E KUDEKI
Tech. Officer: GSFC/R PFAFF
CASE Category: 11 – ASTRONOMY

NAG 5 11016 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4388
CONTACT BINARY STARS (ATP 2000)
06/12/2001 - 06/14/2004 FY02: $0 Total: $41,454
Prin. Invest.: R F WEBBINK
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11159 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4389
HOT BUBBLES IN EVOLVED SUPERNOVA REMNANTS
08/06/2001 - 08/14/2002 FY02: $0 Total: $22,034
Prin. Invest.: J R DICKEL
Tech. Officer: GSFC/R MUTSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11389 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4390
A STOCHASTIC APPROACH TO PARAMETERIZATIONS OF MICR OPHYSICS FOR MESOSCALEMODELS: APPLICATIONS TO QUA
11/26/2001 - 07/31/2004 FY02: $0 Total: $0
Prin. Invest.: G M MCFARQUHAR
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11415 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4391
GALAXY CLUSTER EVOLUTION AND COSMOLOGY (ADP 2001)
01/07/2002 - 12/31/2006 FY02: $0 Total: $0
Prin. Invest.: J J MOHR
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11460 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4392
SUPPORT RESEARCH AND SCIENCE REQUIREMENTS AND CAPA BILITIES AND THE INSTRUMENT FUNCTIONS NEEDED
12/07/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: D MEIXNER
Tech. Officer: GSFC/D C MATHER
CASE Category: 11 – ASTRONOMY

NAG 5 11644 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4393
LARGE DUST SHELLS AROUND EVOLVED STARS (ADP 2001)
01/30/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: A SPECK
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11756 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4394
CLOUD RESOLVING MODEL SIMULATIONS OF WATER AND ENERGY BUDGETS FOR THE INDIAN OCEAN REGION: EFFECT
02/28/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: G M MCFARQUHAR
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12030 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4395
RAPID X-RAY VARIABILITY OF ACCRETING NEUTRON STARS
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: F LAMB
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12132 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4396
ADVANCED METHODS FOR OPTIMAL TRAJECTORY DESIGN.
05/06/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: V COVERSTONE
Tech. Officer: GSFC/D FOLTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12228 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4397
MULTLI-FUNCTION STOCHASTIC OPTIMIZATION FOR SPACE MISSION DESIGN
05/30/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: V COVERSTONE
Tech. Officer: GSFC/S P HUGHES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12255 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4398
O VI FROM THE CAT'S EYE NEBULA
06/06/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: M A GUERRERO
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12334 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4399
EARLY EVOLUTION: THE UNIVERSAL ANCESTOR AND THE O RIGIN OF MODERN CELLS
07/08/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: G L OLSEN
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1249 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4400
ADAPTIVE GRID METHODS FOR PHASE FIELD MODELS OF MICROSTRUCTURE DEVELOPMENT
04/16/1996 - 08/15/2001 FY02: $0 Total: $490,000
Prin. Invest.: J A DANTZIG
Tech. Officer: MSFC/P DOTY, MSFC/R POWER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1376 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4401
R/S "PARTICLE INTERACTION POTENTIALS & PROTEIN CRYSTAL QUALITY UNDER DR. CHARLES F. ZUKOSKI."
07/01/1997 - 11/30/2000 FY02: $0 Total: $446,000
Prin. Invest.: C F ZOKOSKI
Tech. Officer: MSFC/J R ROGERS, MSFC/J P DOWNEY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 8 1453 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4402
MODELS OF MAGNETIC DAMPING FOR BRIDGMAN SEMI- CONDUTOR CRYSTAL GROWTH
05/20/1998 - 01/31/2003 FY02: $0 Total: $358,333
Prin. Invest.: J S WALKER
Tech. Officer: MSFC/C TALLEY
CASE Category: 13 – PHYSICS

NAG 8 1471 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4403
COLLOIDAL STABILITY IN COMPLEX FLUIDS
04/23/1998 - 01/31/2003 FY02: $0 Total: $366,333
Prin. Invest.: J A LEWIS
Tech. Officer: MSFC/P M DOTY
CASE Category: 13 – PHYSICS

NAG 8 1657 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4404
RESEARCH ENTITLED, "PHASE FIELD MODELING OF MICROSTRUCTURE IN MICROGRAVITY
06/14/2000 - 11/30/2003 FY02: $0 Total: $107,000
Prin. Invest.: J A DANTZIG, N D GOLDEFELD
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1705 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4405
MODELS TO OPTIMIZE THE BENEFITS OF ROTATING MAGNEC TIC FIELDS FOR SEMICONDUCOTR CRYSTAL GROWTH IN SP
06/09/2000 - 11/30/2002 FY02: $0 Total: $91,750
Prin. Invest.: J S WALKER
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICALSCIENCE, OTHER

NAG 8 1751 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4406
ADVANCED MODELING OF LOW CYCLE FATIGUE CRACK GROWT H IN METALS
10/31/2000 - 10/30/2004 FY02: $40,000 Total: $204,500
Prin. Invest.: R H DODDS, JR, P SOFRONIS, K D HJELMSTAD
Tech. Officer: MSFC/B MCGILL, MSFC/G R SWANSON
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1760 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4407
REDICTION OF PROPERTIES LIQUID HELIUM FROM COMPUTER SIMULATION
04/26/2001 - 04/30/2005 FY02: $0 Total: $81,000
Prin. Invest.: D M CEPERLEY
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1803 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4408
OPTIMAL TRAJECTORY ANALYSIS FOR FUTURE PROPULSION SYSTEMS
04/16/2001 - 04/14/2002 FY02: $0 Total: $49,894
Prin. Invest.: V L COVERSTON
Tech. Officer: MSFC/K SORENSON
CASE Category: 13 – PHYSICS

NAG 9 1371 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4409
YAW CONTROL OF A LIFTING BODY RE-ENTRY VEHICLE AT HIGH ANGLE OF ATTACK
07/27/2001 - 08/01/2003 FY02: $0 Total: $22,000
Prin. Invest.: M BRAGG
Tech. Officer: JSC/R BURTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 2 02057 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4410
A NON LINEAR OPTICAL COHERENCE TOMOGRAPHY SYSTEM F OR BIOMOLECULAR DETECTION AND INTERVENTION
12/21/2001 - 12/20/2004 FY02: $0 Total: $0
Prin. Invest.: S A BOPPART
Tech. Officer: ARC/J W HINES, ARC/P P FUNG
CASE Category: 56 – MEDICL

NCC 1 309 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4411
EVAL PEM-TROPICS B OBSERVAT: UNCERTAIN ANALYSES & EFFECTS ON DEEP CONVECTIVE MIX'G ON TROPOSPH CHEM
07/22/1998 - 07/31/2001 FY02: -$1 Total: $108,368
Prin. Invest.: D WUEBBLER, D WUEBBLES
Tech. Officer: LARC/J L RAPER, LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1214 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4412
COMPUTATIONAL MODEL OF PILOT SITUATION AWARENESS E RRORS
02/08/2001 - 12/14/2001 FY02: $0 Total: $55,525
Prin. Invest.: C D WICKENS, J MCCARLEY
Tech. Officer: ARC/B BEARD
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1230 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4413
STOCHASTIC ANYTIME SEARCH WITH APPLICATIONS IN AUT ONOMOUS PLANNING & SCHEDULING
03/25/2001 - 11/30/2002 FY02: $0 Total: $75,000
Prin. Invest.: B J WAH
Tech. Officer: ARC/R MORRIS
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1293 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4414
SYNTHETIC VISION SYSTEM HUMAN FACTORS ANALYSIS
10/31/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: C WICKENS
Tech. Officer: ARC/B L BEARD, ARC/D FOYLE
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 3 852 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4415
EXPERIMENTAL STUDY OF ICED AIRFOIL AERODYNAMICS
01/23/2001 - 12/17/2003 FY02: $0 Total: $122,663
Prin. Invest.: M BRAGG
Tech. Officer: GRC/H E ADDY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 599 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4416
PROVIDE HDF SUPPORT FOR THE ESDIS PROJECT AND THE EOSDIS STANDARD DATA FORMAT.
11/20/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: M J FOLK
Tech. Officer: GSFC/R ULLMAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 615 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4417
DEVELOPMENT OF AN INTEROPERABILITY BASED ENVIRONMENT FOR ADAPTIVE MESHES(IBEAM)
02/25/2002 - 02/24/2005 FY02: $0 Total: $0
Prin. Invest.: P E SAYLOR
Tech. Officer: GSFC/J FISCHER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NGT 2 52244 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4418
NON-LINEAR ALFVEN WAVES, AMBIPOLAR DIFFUSION & STA R FORMATION
08/05/1998 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: T MOUSCHOVIAS
Tech. Officer: ARC/A BARNES
CASE Category: 11 – ASTRONOMY

NGT 2 52271 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4419
FUNCTIONALLY GRADED MATERIAL APPLICATIONS TO ADVAN CE THERMAL PROTECTION SYSTEMS
09/14/2000 - 09/14/2003 FY02: $0 Total: $44,000
Prin. Invest.: G H PAULINO
Tech. Officer: ARC/T L PANONTIN
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 3 52345 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4420
GRADUATE STUDENT RESEARCHERS PROGRAM
07/28/1998 - 08/20/2001 FY02: $0 Total: $66,000
Prin. Invest.: J S MOORE
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 43 – CHEMICAL ENGR

NGT 3 52357 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4421
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RE-SEARCH PROGRAM
07/15/1999 - 09/30/2003 FY02: $0 Total: $66,000
Prin. Invest.: M BRAGGS
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 84 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4422
NEW GRANT FOR GSRP STUDENT - DANIEL BULLOK
05/18/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: P SAYLOR
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 22 – COMPUTER SCIENCE

NGT 5 134 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4423
AN OBJECT-ORIENTED MULTIGRID FRAMEWORK (STUDENT: DANIEL BULLOK)
06/07/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: P E SAYLOR
Tech. Officer: GSFC/M S BURRELL
CASE Category: 21 – MATHEMATICS

NGT 5 138 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4424
INCORPORATING FLASH INTO I-BEAA: REFACTORING SCIEN TIFIC SOFT-WARE STUDENT: BRADLEY JONES
06/20/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: R JOHNSON
Tech. Officer: GSFC/M S BURRELL
CASE Category: 22 – COMPUTER SCIENCE

NGT 5 30433 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4425
KNOWLEDGE DISCOVERY FROM REMOTE SENSING OBSERVATIO NS (STUDENT: AMANDA WHITE)
08/15/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: P KUMAR
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30434 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4426
IMPROVED CLOUD CLIMATOLOGIES OVER POLAR REGIONS FR OM EOS-TERRA DATA (STUDENT: MICHAEL WILSON)
08/15/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: L GIROLAMO
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40030 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4427
NATIONAL SPACE GRANT COLL AND FELLOWSHIP PROGRA
12/19/1996 - 01/31/2001 FY02: $0 Total: $1,820,987
Prin. Invest.: W C SOLOMON
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40073 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4428
ILLINOIS SPACE GRANT COLL & FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $483,894
Prin. Invest.: W C SOLOMON
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50228 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4429
SOFTWARE-IMPLEMENTED ADAPTIVE FAULT TOLERANCE THRO UGH DY-NAMICALLY RECONFIGURABLE AGENTS
10/29/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: R K IYER
Tech. Officer: HQ/S MCGEE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50326 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4430
BIOGEOCHEMICAL CYCLES & CLIMATE CHANGE; POTENTIAL FEEDBACKS & INTERACTIONS/STUDENT: VAISHALI NAIK
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: D WUEBBLES
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50343 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4431
NUMERICAL STUDIES OF GENERAL RELATIVISTIC MAGNETO- HYDRODY-NAMICS AS APPLIED TO ACTIVE GALACTIC NUCLE
05/14/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: R GAMMIE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52912 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4432
ORBITAL PROPAGATION OF MOMENTUM EXCHANGE TETHER SYSTEMS
07/01/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: V COVERSTONE
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 9 33 UNIV OF ILLINOIS AT URBANA-CHAMPAIGN 4433
TRAINING GRANT
06/04/1998 - 03/08/2002 FY02: $0 Total: $66,000
Prin. Invest.: S R WHITE
Tech. Officer: JSC/D G SICKOREZ
CASE Category: 42 – ASTRONAUTICAL ENGR

INDIANA

NAG 5 11261 BALL STATE UNIV 4434
INNOVATIVE USES OF HYPERSPECTRAL IMAGERY FOR MONI TORING SPATIALLY DISTRIBUTED ECOSYSTEM
08/27/2001 - 08/31/2004 FY02: $0 Total: $63,111
Prin. Invest.: A F RAHMAN
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2588 INDIANA STATE UNIV 4435
NANOSTRUCTURED SINGLE-ION SOLID POLYMER ELECTROLYT ES FOR LITHIUM BATTERIES
04/30/2001 - 06/30/2004 FY02: $0 Total: $95,000
Prin. Invest.: D W ZWANZIGER
Tech. Officer: GRC/D BRITTON
CASE Category: 12 – CHEMISTRY

NAG 3 2399 INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS 4436
NEW COMPUTATIONAL METHOD FOR MASSIVELY PARALLEL CO MPUTA-TIONAL FLUID DYNAMICS
04/19/2000 - 12/31/2002 FY02: $0 Total: $122,772
Prin. Invest.: D HSU
Tech. Officer: GRC/M LIOU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2762 INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS 4437
WAVE FAN AND HYBRID PULSE DETONATION ENGINE WAVE FAN AND HYBRID PULSE DETONATION ENGINE
04/09/2002 - 12/08/2002 FY02: $0 Total: $0
Prin. Invest.: D NALIM
Tech. Officer: GRC/D PALAC
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1586 INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS 4438
SELF RENEWAL REPLICATION OF HEMATOPOIETIC STEM CELLS IN MICRO-GRAVITY
03/01/1999 - 11/30/2002 FY02: $0 Total: $465,300
Prin. Invest.: C M TRAYCOFF
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 50203 INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS 4439
PARATHYROID HORMONE MODULATES THE RESPONSE OF OSTE OBLAST-LIKE CELLS TO MECHANICAL STIMULATION
07/01/1998 - 06/30/2001 FY02: $0 Total: $39,600
Prin. Invest.: R L DUCN
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 50291 INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS 4440
EFFECTS OF INTEGRIN-EXTRACELLULAR MATRIX ADHESION IN FLUID SHEAR-INDUCED PROSTAGLAND IN METABOLISM
07/06/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: F PAVALKO
Tech. Officer: GSFC/K BLANDING
CASE Category: 56 – MEDICL

NGT 5 50366 INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS 4441
ACTIVATION, ADAPTATION AND RESTORATION OF THE MECH ANICAL RESPONSE OF OSTEOBLASTS TO FLUID SHEAR/STU
06/12/2001 - 06/30/2004 FY02: $0 Total: $20,400
Prin. Invest.: R DUNCAN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50373 INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS 4442
CAPILLARY FRACTAL PERFUSION PATTERNS MAY PROTECT THE LUNG DURING MICROGRAVITY/STUDENT:ERIC JARYSZAK
06/26/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: W WAGNER
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1449 INDIANA UNIV - BLOOMINGTON 4443
HYPERGRAVITY EFFECTS ON THE MATERNAL-FETAL SYSTEM
10/19/2000 - 10/14/2001 FY02: $0 Total: $23,740
Prin. Invest.: J R ALBERTS
Tech. Officer: ARC/A E RONCA, ARC/E M HOLTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 4295 INDIANA UNIV - BLOOMINGTON 4444
3D SIMULATIONS OF GRAVITATIONAL INSTABILITIES IN P PROTOSTELLAR DISKS
04/04/1997 - 06/30/2002 FY02: $0 Total: $183,000
Prin. Invest.: D H DURISEN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 5224 INDIANA UNIV - BLOOMINGTON 4445
HEAT HIGH ENERGY ANTIMATTER TELESCOPE PI PROF. JAMES MUSSER
02/03/1999 - 11/30/2002 FY02: $0 Total: $419,200
Prin. Invest.: J MUSSER
Tech. Officer: WFF/B MERRIT
CASE Category: 11 – ASTRONOMY

NAG 5 6773 INDIANA UNIV - BLOOMINGTON 4446
COBE AND THE STRUCTURE OF THE GALACTIC INTERSTELLA R MEDIUM
01/22/1998 - 07/31/2002 FY02: $0 Total: $125,600
Prin. Invest.: STEIMAN-CAMERON
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7619 INDIANA UNIV - BLOOMINGTON 4447
FUNDING FOR "LITHOSPHERIC RHEOLOGY AND GEODYNAMIC PROCESSES FROM INTEGRATION OF GEODETIC, GRAVITY AN
07/24/1998 - 09/30/2001 FY02: $0 Total: $100,000
Prin. Invest.: M W HAMBURGER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9236 INDIANA UNIV - BLOOMINGTON 4448
FUSE OBSERVATIONS OF GALACTIC AND LMC NOVAE IN OUT BURST - FUSE
03/09/2000 - 03/14/2003 FY02: $0 Total: $27,330
Prin. Invest.: S SHORE
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9369 INDIANA UNIV - BLOOMINGTON 4449
PETROLOGIC EVOLUTION OF LUNAR AND METEORITE PARENT BODY REGOLITH
04/03/2000 - 03/31/2001 FY02: $0 Total: $14,000
Prin. Invest.: A BASU
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10459 INDIANA UNIV - BLOOMINGTON 4450
PETROLOGIC EVOLUTION OF LUNAR & METEORITE PARENT BODY REGOLITH
02/21/2001 - 02/28/2004 FY02: $0 Total: $20,458
Prin. Invest.: A BASU
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11964 INDIANA UNIV - BLOOMINGTON 4451
EVOLUTION AND APPEARANCE OF YOUNG STELLAR DISKS WI TH GRAVITATIONAL INSTABILITIES
04/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: R DURISEN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12360 INDIANA UNIV - BLOOMINGTON 4452
TESTING THE RNA WORLD WITH METABOLIC RIBOZYMES IN VITRO AND INSIDE CELLS
07/09/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: D H BURKE
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1770 INDIANA UNIV - BLOOMINGTON 4453
THEORETICAL STUDIES OF LORENTZ AND CPT SYMMETRY
05/01/2001 - 08/31/2005 FY02: $0 Total: $48,000
Prin. Invest.: V A KOSTELECKY
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 9 01103 INDIANA UNIV - BLOOMINGTON 4454
CYCLOTRON FACILITY-HIGH ENERGY RADIATION EFFECTS TESTING
06/27/2001 - 09/30/2005 FY02: $0 Total: $1,524,477
Prin. Invest.: J CAMERON
Tech. Officer: JSC/W CULPEPPER
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 1035 INDIANA UNIV - BLOOMINGTON 4455
CASE-BASED CAPTURE & REUSE OF AEROSPACE DESIGN RAT IONALE
05/07/1998 - 07/31/2001 FY02: $0 Total: $392,092
Prin. Invest.: D B LEAKE
Tech. Officer: ARC/M E LIVINGSTON, ARC/W VAN DALSEM
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1216 INDIANA UNIV - BLOOMINGTON 4456
INTEGRATED OINTELLIGENT SUPPORT FOR KNOWLEDGE CAPT URE, REFINEMENT AND SHARING
03/08/2001 - 02/28/2003 FY02: $0 Total: $148,000
Prin. Invest.: D B LEAKE
Tech. Officer: ARC/M G SHAFTO, ARC/W J CLANCEY
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 334 INDIANA UNIV - BLOOMINGTON 4457
HUMAN AND PHYSICAL DIMENSIONS OF LAND USE/COVER CH ANGE IN ANAZONIA: FOREST REGENERATION AND LANDSCA
06/16/1998 - 12/31/2002 FY02: $67,749 Total: $639,678
Prin. Invest.: E MORAN
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 1 01009 INDIANA UNIV - BLOOMINGTON 4458
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/05/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: S D JOHNSON
Tech. Officer: LARC/P S MINER
CASE Category: 22 – COMPUTER SCIENCE

NCC 3 873 MANCHESTER COLL 4459
INTERCALATION OF GRAPHITE FIBERS FOR SPACE POWER APPLICATIONS
03/13/2001 - 08/31/2002 FY02: $0 Total: $15,668
Prin. Invest.: G W CLARK
Tech. Officer: GRC/C HUNG
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 01027 PURDUE UNIV 4460
MECHANISMS OF BOUNDARY-LAYER TRANSITION ON RESUABLE LAUNCH VEHICLES
02/05/2001 - 01/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: S P SCHNEIDER
Tech. Officer: LARC/S A BERRY, LARC/J N MOSS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01073 PURDUE UNIV 4461
MODELING OF NANO MATERIALS MY 1/3
05/09/2001 - 12/31/2003 FY02: $0 Total: $80,000
Prin. Invest.: C T SUN
Tech. Officer: LARC/T S GATES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01083 PURDUE UNIV 4462
AUTONOMOUS NAVIGATION FOR ALTERNATE ACCESS TO THE INTERNA-TIONAL SPACE STATION
05/18/2001 - 05/17/2003 FY02: $0 Total: $49,283
Prin. Invest.: J L GARRISON
Tech. Officer: LARC/J ANTOL
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 1 01115 PURDUE UNIV 4463
DESIGN METHODS AND OPTIMIZATION FOR MORPHING AIRCRAFT
08/15/2001 - 08/14/2004 FY02: $0 Total: $20,000
Prin. Invest.: W A CROSSLEY, T A WEISSHAAR
Tech. Officer: LARC/S L PADULA, LARC/J L ROGERS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02047 PURDUE UNIV 4464
MECHANISMS OF BOUNDARY-LAYER TRANSITION OF REUSABLE LAUNCH VEHICLES
01/31/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: S P SCHNEIDER
Tech. Officer: LARC/S A BERRY, LARC/J N MOSS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02064 PURDUE UNIV 4465
BUCKLING STABILITY OF DISBONDED COMPOSITE STRUCTURES
03/19/2002 - 03/18/2003 FY02: $0 Total: $0
Prin. Invest.: H KIM
Tech. Officer: LARC/J H STARNES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1344 PURDUE UNIV 4466
A GRAVIRESPONSIVE TIME-KEEPING PROTEIN OF THE PLAN T & ANIMAL CELL SURFACE
07/21/1999 - 07/31/2003 FY02: $0 Total: $500,234
Prin. Invest.: D J MORRE
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1389 PURDUE UNIV 4467
ELUCIDATING THE MECHANISM OF MECHANICAL-STRESS INHIBITION OF PLANT GROWTH
12/21/1999 - 05/31/2003 FY02: $0 Total: $41,407
Prin. Invest.: C MITCHELL
Tech. Officer: ARC/R MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1542 PURDUE UNIV 4468
A PROPOSAL FOR INFASTRUCTURE TO SUPPORT NANOTECHN OLOGY RESEARCH AT PURDUE UNIV
03/26/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: J A COOPER
Tech. Officer: ARC/H PARTRIDGE, ARC/M MEYYAPPAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 1730 PURDUE UNIV 4469
3-D UNSTEADY AERODYNAMICS AND AEROELASTICITY OF AD VANCED TURBOPROPS
02/01/1995 - 06/30/2001 FY02: $0 Total: $533,235
Prin. Invest.: S FLEETER
Tech. Officer: GRC/D H BUFFUM
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2095 PURDUE UNIV 4470
ON THE DEVELOPMENT OF SUPERSONIC JET NOISE PREDICT ION METH-ODOLOGY
12/22/1997 - 11/30/2001 FY02: $0 Total: $104,186
Prin. Invest.: A S LYRINTZIS
Tech. Officer: GRC/J R SCOTT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2217 PURDUE UNIV 4471
SCRAMJET SCALING AND INTERATIONS TESTING SCRAMJET SCALING AND INTERACTIONS TESTING
12/15/1998 - 11/30/2001 FY02: $0 Total: $191,080
Prin. Invest.: S MURTHY
Tech. Officer: GRC/S R THOMAS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2336 PURDUE UNIV 4472
INVESTIGATION OF CRITICAL HEAT FLUX IN REDUCED GRA VITY USING PHOTOMICROGRAPHIC TECHNIQUES
02/22/2000 - 11/30/2003 FY02: $0 Total: $116,000
Prin. Invest.: I MUDAWAR
Tech. Officer: GRC/M HANSAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2413 PURDUE UNIV 4473
MHD BYPASS ENERGY CYCLE FOR JET ENGINE MHD BYPASS ENERGY CYCLE FOR JET ENGINE
06/28/2000 - 12/31/2001 FY02: $0 Total: $70,000
Prin. Invest.: S MURTHY
Tech. Officer: GRC/I BLANKSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2532 **PURDUE UNIV** **4474**
THE 15TH INTERNATIONAL SYMPOSIUM ON AIR BREATHING ENGINES (ISABE)
01/24/2001 - 06/30/2002 FY02: $0 Total: $5,100
Prin. Invest.: S MURTHY
Tech. Officer: GRC/M THARP
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2536 **PURDUE UNIV** **4475**
THREE-DIMINSIONAL UNSTEADY AERODYNAMICS AND AEROEL ASTICITY OF ADVANCED TURBOPROPS
03/01/2001 - 02/28/2003 FY02: $0 Total: $46,000
Prin. Invest.: D FLEETER
Tech. Officer: GRC/E MCFARLAND
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2550 **PURDUE UNIV** **4476**
ROBUST SATELLITE COMMUNICATIONS FOR AIR TRAFFIC CO NTROL SPS #D135
02/27/2001 - 09/30/2002 FY02: $0 Total: $60,000
Prin. Invest.: D S LEHNERT
Tech. Officer: GRC/K CHUN
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2635 **PURDUE UNIV** **4477**
A LASER SCANNING PSP/TSP SYSTEM FOR PROPULSION APP LICATIONS
06/20/2001 - 06/30/2002 FY02: $0 Total: $49,242
Prin. Invest.: D P SULLIVAN
Tech. Officer: GRC/T BENCIC
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2681 **PURDUE UNIV** **4478**
SCRAMJET SCALING AND INTERACTIONS #0ED87 SCRAMJET SCALING AND INTERACTINS 0ED87
01/10/2002 - 12/16/2004 FY02: $0 Total: $0
Prin. Invest.: S FRANKEL
Tech. Officer: GRC/S THOMAS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2715 **PURDUE UNIV** **4479**
STUDY OF CO-CURRENT AND COUNTER-CURRENT GAS LIQUID TWO-PHASE FLOW THROUGH PACKED BED IN MICROGRAVIT
02/21/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D T REVANKAR
Tech. Officer: GRC/B J MOTIL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2770 **PURDUE UNIV** **4480**
GRANULAR FLOW AROUND IMMERSED OBJECTS SPS #ODY12 GRANULAR FLOW AROUND IMMERSED OBJECTS SPS #ODY12
04/17/2002 - 05/31/2006 FY02: $0 Total: $0
Prin. Invest.: D R WASSGREN
Tech. Officer: GRC/R WILKINSON
CASE Category: 49 – ENGINEERING, OTHER

NAG 4 227 **PURDUE UNIV** **4481**
DESIGN, FABRICATION, AND TESTING OF A ROCKET-BASED COMBINED CYCLE FLIGHT EXPERIMENT
05/29/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: D E ANDERSON
Tech. Officer: DFRC/N PALUMBO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 3965 **PURDUE UNIV** **4482**
STUDY ON APPLICATIONS OF SATELLITE DATA TO UNDERST SEA INTER-ACTIONS
03/03/1997 - 01/31/2001 FY02: $0 Total: $266,112
Prin. Invest.: C A CLAYSON
Tech. Officer: GSFC/R KAKAR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 3992 **PURDUE UNIV** **4483**
THE ANALYSIS AND PARAMETERIZATION OF SHORTWAVE RAD ATMO-SPHERES
02/26/1997 - 05/31/2002 FY02: $0 Total: $296,000
Prin. Invest.: D HARSHVARDHAN
Tech. Officer: GSFC/K H BERGMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7727 **PURDUE UNIV** **4484**
QUANTIFYING THE INDIRECT RADIATIVE FORCING OF SULF ATE AERO-SOLS BY A HYBRID TECHNIQUE.
10/21/1998 - 10/14/2002 FY02: $0 Total: $284,508
Prin. Invest.: H HARSHVARDHAN
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8155 **PURDUE UNIV** **4485**
LABORATORY STUDIES OF DIACETYLENE AND CYANOACETYLE NE PHO-TOCHEMISTRY: ROUTES TO COMPLEX MOLECULES
02/17/1999 - 11/30/2002 FY02: $0 Total: $324,406
Prin. Invest.: T ZWIER
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9098 **PURDUE UNIV** **4486**
LONG-TERM X-RAY VARIABILITY OF CYG X-1: ORBITAL MO DULATION, INTENSITY DIPS, FLARES, STATE TRANSIT
02/18/2000 - 02/28/2002 FY02: $0 Total: $19,999
Prin. Invest.: W CUI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9822 **PURDUE UNIV** **4487**
A COMPARISON OF THE IMPACT OF PRECIPITATION ON THE TROPICAL PACIFIC & NORTH INDIAN OCEAN MIXED LAYER
07/24/2000 - 11/30/2002 FY02: $0 Total: $194,194
Prin. Invest.: C A CLAYTON
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9998 **PURDUE UNIV** **4488**
RELATIVISTIC ASTROPHYSICS IN BLACK HOLE & LOW-MASS NEUTRON STAR X-RAY BINARIES - LTSA98
09/21/2000 - 01/31/2004 FY02: $0 Total: $105,317
Prin. Invest.: W CUI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10061 **PURDUE UNIV** **4489**
AN EXPERIMENTAL ECONOMIC ANALYSIS OF NASA'S MISSION ACQUISI-TION PROCESS
10/31/2000 - 10/31/2001 FY02: $0 Total: $140,000
Prin. Invest.: C NOUSSAIR
Tech. Officer: GSFC/P ULRICH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10262 PURDUE UNIV 4490
FORMATION & EARLY EVOLUTION OF THE SOLAR SYSTEM
01/09/2001 - 12/31/2003 FY02: $0 Total: $22,400
Prin. Invest.: B PICKETT
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10422 PURDUE UNIV 4491
CHEMICAL STUDIES OF METEORITES
02/15/2001 - 02/28/2003 FY02: $0 Total: $80,000
Prin. Invest.: M LIPSCHUTZ
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10735 PURDUE UNIV 4492
PROBING PREBIOTIC PROCESSES WITH PEPTIDE SELF REPL ICATION
04/19/2001 - 04/30/2004 FY02: $0 Total: $130,000
Prin. Invest.: J A CHMIELEWSKI
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10747 PURDUE UNIV 4493
OPTIMIZATION OF GPS TRACKING LOOPS FOR SPACECRAFT NAVIGATION IN HEO/GEO ORBITS.
04/17/2001 - 05/31/2002 FY02: $0 Total: $20,000
Prin. Invest.: J L GARRISON
Tech. Officer: GSFC/J A LEITNER
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11080 PURDUE UNIV 4494
MOLA-SUPPORTED PRECISION GEOSPATIAL PROCESSING OF MOCA IMAGES:MODELS, ALGORITHMS AND EVALUATION
08/06/2001 - 08/14/2003 FY02: $0 Total: $53,000
Prin. Invest.: J SHAN
Tech. Officer: GSFC/J M BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11747 PURDUE UNIV 4495
INVESTIGATION OF THE FUNDAMENTAL PROPERTIES OF FOR WARD SCATTERED GPS SIGNALS FOR OCEANOGRAPHIC R
02/25/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: J GARRISON
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11839 PURDUE UNIV 4496
APPLICATION OF DYNAMICAL SYSTEMS THEORY, CONTROL METHODS, & OPTIMIZATION STRATEGIES TO TRAJECTORY
04/17/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: K C HOWELL
Tech. Officer: GSFC/D FOLTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12065 PURDUE UNIV 4497
MODEL IMPROVEMENT AND VALIDATION FOR GPS CODE TRACKING IN HIGH EARTH ORBITS (HEO)
04/24/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: J L GARRISON
Tech. Officer: GSFC/R CARPENTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12098 PURDUE UNIV 4498
LABORATORY STUDIES OF PHOTOCHEMICAL ROUTES TO AROM ATIC RING FORMATION INTHE ATMOSPHERES OF TITAN AN
04/29/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: T ZWIER
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12551 PURDUE UNIV 4499
MODEL FUNCTION DEVELOPMENT FOR THE RETRIEVAL OF OC EAN SURFACE PROPERTIESFROM SCATTERED GPS SIGNALS
09/09/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: J GARRISON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12562 PURDUE UNIV 4500
CHICAGO NASA SATURDAY ACADEMY
09/16/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: S BAST
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1233 PURDUE UNIV 4501
RESEARCH "DEVELOPMENT OF ATMOSPHERIC PHYSICAL RET. USING SATELLITE DATA FROM MICROWAVE SOUNDING,ETC
12/04/1996 - 01/21/2002 FY02: $0 Total: $198,156
Prin. Invest.: G W PETTY
Tech. Officer: MSFC/B L APENTA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1515 PURDUE UNIV 4502
VARIABILITY AND PREDICTABILITY OF LAND-ATMPSPHERE INTERACTIONS: OBSERVATIONAL AND MODELING STUDIES
05/15/1998 - 05/31/2002 FY02: $0 Total: $168,057
Prin. Invest.: R OGLESBY
Tech. Officer: MSFC/J ARNOLD
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 8 1691 PURDUE UNIV 4503
EXPERIMENTAL AND NUMERICAL INVESTIGATIONS OF GROWTH MORPHOLOGIES OF PERITECTIC REACTIONS
06/01/2000 - 11/30/2003 FY02: $0 Total: $116,000
Prin. Invest.: D JOHNSON
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1782 PURDUE UNIV 4504
RESEARCH GRANT ENTITLED "MAGNETIC FIELD GRADIENT LEVITATION SYSTEM FOR PHYSICS AND BIOPHYSICS"
04/30/2001 - 04/29/2005 FY02: $0 Total: $110,000
Prin. Invest.: N M LAVRENDEAN
Tech. Officer: GRC/Y R HICKS
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1833 PURDUE UNIV 4505
ENGINEERING A RIBOZYME FOR DIFFRATIVE PROPERTIES
09/05/2001 - 11/30/2004 FY02: $0 Total: $40,000
Prin. Invest.: B L GOLDEN
Tech. Officer: MSFC/B V GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1856 PURDUE UNIV 4506
IMPROVED PRELIMINARY DESIGN ANALYSIS PROCESS FOR HIGH PRESSURE ROCKET COMBUSTORS
12/12/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: W ANDERSON
Tech. Officer: MSFC/A REEB
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1869 PURDUE UNIV 4507
"ZERO-GRAVITY VALIDATION OF SURFACE-TENSION PROPELLANT FOR ROCKET-GRADE HYDROGEN PEROXIDE"
06/03/2002 - 06/03/2003 FY02: $0 Total: $0
Prin. Invest.: S H COLLICOTT
Tech. Officer: MSFC/R UNGER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1870 PURDUE UNIV 4508
DEVELOPMENT OF A PARTIAL DESIGN DATABASE FOR ADVANCED HYDROGEN PEROXIDE ENGINES
06/03/2002 - 06/03/2003 FY02: $0 Total: $0
Prin. Invest.: W E ANDERSON
Tech. Officer: MSFC/R UNGER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1876 PURDUE UNIV 4509
STUDY OF LONG LIFE THRUSTER
07/18/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: W ANDERSON
Tech. Officer: MSFC/H TRINH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1281 PURDUE UNIV 4510
HUMAN FACTORS RESEARCH/ORGANIZATIONAL LEARNING USI NG THE INTRANET
03/07/2001 - 12/31/2001 FY02: $0 Total: $25,000
Prin. Invest.: G SALVENDY
Tech. Officer: JSC/B J WOOLFORD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1292 PURDUE UNIV 4511
CONTROL CREW NETWORK COMMUNICATIONS DURING ROUTINE & NONROUTINE EVENTS
05/14/2001 - 09/30/2002 FY02: $0 Total: $145,618
Prin. Invest.: B S CALDWELL
Tech. Officer: JSC/B WOOLFORD
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1385 PURDUE UNIV 4512
COLD WIRE MEASUREMENTS IN THE BODY FLAP CAVITY OF AN X-38 MODEL
09/24/2001 - 09/30/2002 FY02: $0 Total: $10,493
Prin. Invest.: S P SCHNEIDER
Tech. Officer: JSC/C H CAMPBELL, JSC/S M FITZGERALD
CASE Category: 41 – AERONAUTICAL ENGNR

NAG13 00001 PURDUE UNIV 4513
EVALUATING REMOTE SENSING TECHNOLOGY FOR SITE SPECIFIC AGRICULTURE AND NATIONAL RESOURCES
02/18/2000 - 03/19/2003 FY02: $0 Total: $482,343
Prin. Invest.: C J JOHANNSEN
Tech. Officer: SSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 00008 PURDUE UNIV 4514
SIMULATION AND VISUALIZATION OF CAVITATING VENTURI FLOWS - REF #SPS0D086
01/29/2001 - 03/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: D HEISTER
Tech. Officer: SSC/R E FIELD
CASE Category: 41 – AERONAUTICAL ENGNR

NAG13 02037 PURDUE UNIV 4515
IMPROVED MODELING OF CAVITATING VENTURI FLOWS SPS #OEK37
03/07/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: D D HEISTER
Tech. Officer: SSC/R FIELD
CASE Category: 41 – AERONAUTICAL ENGNR

NAG13 02038 PURDUE UNIV 4516
FIELD TEST METHODS FOR HYDROGEN PEROXIDE STABILITY MARGIN SPS #OEM16
04/03/2002 - 02/17/2003 FY02: $0 Total: $0
Prin. Invest.: D ANDERSON
Tech. Officer: SSC/W ST CYR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01042 PURDUE UNIV 4517
COMBINATORIAL MULTIOBJECTIVE OPTIMIZATION USING GENETIC ALGORITHMS
04/10/2001 - 04/09/2002 FY02: $0 Total: $30,003
Prin. Invest.: W A CROSSLEY
Tech. Officer: LARC/S L PADULA, LARC/J L ROGERS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1245 PURDUE UNIV 4518
MACHINE LEARNING & DATA MINING FOR IMPROVED INTELL IGENT DATA UNDERSTANDING OF HIGH DIMENSIONAL EART
04/05/2001 - 02/28/2003 FY02: $0 Total: $133,000
Prin. Invest.: C BRODLEY
Tech. Officer: ARC/C A HLAVKA, ARC/J COUGHLAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1363 PURDUE UNIV 4519
INST FOR NANOELECTRONICS AND COMPUTING
09/25/2002 - 08/31/2007 FY02: $0 Total: $0
Prin. Invest.: S DATTA
Tech. Officer: ARC/H PATRIDGE, ARC/M MEYYAPPAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 5 358 PURDUE UNIV 4520
DYNAMICAL SYSTEMS THEORY, NUMERICAL METHODS, OPTIM IZATION STRATEGIES & THEIR APPLICATION TO TRAJEC
08/26/1998 - 07/31/2003 FY02: $0 Total: $299,347
Prin. Invest.: K C HOWELL
Tech. Officer: GSFC/D FOLTA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 627 PURDUE UNIV 4521
YR. 1 OF 1; REOB. FUNDS FROM NCC5-361 UMBC DUE PI TRANSFER TO PURDUE
02/08/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: D S EBERT
Tech. Officer: GSFC/A ROBERTS
CASE Category: 22 – COMPUTER SCIENCE

NGT 1 52198 PURDUE UNIV 4522
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
07/08/1998 - 10/31/2001 FY02: $0 Total: $66,001
Prin. Invest.: G L ROTH
Tech. Officer: LARC/D W BARTLETT
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 2 52285 PURDUE UNIV 4523
THE ROLE OF DIFFERENTIAL GENE EXPRESSION IN MECHAN O-DWARFING OF PLANTS
09/25/2001 - 05/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: C A MITCHELL
Tech. Officer: ARC/C A CONLEY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 3 52382 PURDUE UNIV 4524
NASA GRADUATE STUDENT RESEARCHERS PROGRAM SPS #OEM 82
07/10/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: J P SULLIVAN
Tech. Officer: GRC/F MONTEGANI
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 30163 PURDUE UNIV 4525
DEVELOPMENT, EVALUATION, AND APPLICATION OF A FAST TIME RE-SPONSE MASS SPECTROMETRIC METHOD FOR QU
08/31/1998 - 08/31/2001 FY02: $0 Total: $65,600
Prin. Invest.: P B SHEPSON, BARKET
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40114 PURDUE UNIV 4526
INDIANA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/06/2001 - 02/28/2005 FY02: $0 Total: $256,250
Prin. Invest.: D ANDRISANI
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50222 PURDUE UNIV 4527
MODELING MULTITHREADING ON MIMD COMPUTERS
09/25/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: L H JAMIESON, TEANY
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 22 – COMPUTER SCIENCE

NGT 5 50275 PURDUE UNIV 4528
LOW-THRUST GRAVITY-ASSIST TRAJECTORY DESIGN STUDENT: THERESA J. DEBBAN
06/20/2000 - 12/31/2002 FY02: $0 Total: $44,000
Prin. Invest.: J M LONGUSKI
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50336 PURDUE UNIV 4529
SPECTROSCOPY & KINETICS OF METASTABLE DIACETYLENE: IMPROVING MODELS OF TITAN'S ATMOSPHERIC CHEMI
05/04/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: T ZWEIR
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8077 TAYLOR UNIV 4530
SOURCE-LOSS/CONE INVESTIGATION
01/20/1999 - 01/31/2002 FY02: $0 Total: $124,994
Prin. Invest.: H D VOSS
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11982 TAYLOR UNIV 4531
SOURCE-LOSS/CONE INVESTIGATION (SEPS)
04/23/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: H VOSS
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 12454 TAYLOR UNIV 4532
CHARGING OF AEROSOLS AND PARTICLES IN THE POLAR SU MMER MESOPHERE (CAPPS)
08/19/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: H D FOSS
Tech. Officer: GSFC/R A GOLDBERG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2240 UNIV OF NOTRE DAME 4533
ADVANCED INFO TECHNOLOGY IN SIMULATION BASED LIFE CYCLE DE-SIGN UNDER UNCERTAINTY - NRA-98-LARC-8
09/20/1999 - 09/30/2002 FY02: $0 Total: $143,270
Prin. Invest.: J E RENAUD
Tech. Officer: LARC/J L ROSEY
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 01020 UNIV OF NOTRE DAME 4534
ACOUSTIC SOURCE MODELING AND CONTROL FOR HIGH BY-PASS JET ENGINES
01/24/2001 - 01/31/2002 FY02: $0 Total: $63,380
Prin. Invest.: T C CORKE, F O THOMAS
Tech. Officer: LARC/K W KINZIE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02045 UNIV OF NOTRE DAME 4535
ACOUSTIC SOURCE MODELLING AND CONTROL FOR HIGH BY- PASS JET ENGINES
01/28/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: T C CORKE, F O THOMAS
Tech. Officer: LARC/K W KINZIE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2213 UNIV OF NOTRE DAME 4536
MECHANISTIC STUDIES OF COMBUSTION AND STRUCTURE FO RMATION DURING SYNTHESIS OF ADVANCED MATERIALS
01/15/1999 - 11/17/2002 FY02: $0 Total: $270,125
Prin. Invest.: A VARMA
Tech. Officer: GRC/R FRIEDMAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2366 UNIV OF NOTRE DAME 4537
DIFFUSIVE COARSENING OF LIQUID FOAMS IN MICROGRAVI TY
03/28/2000 - 11/30/2003 FY02: $0 Total: $125,215
Prin. Invest.: D A GLAZIER
Tech. Officer: GRC/F P CHIARMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2384 **UNIV OF NOTRE DAME** **4538**
EXPERIMENTAL AND THEORETICAL STUDIES OF WET GRANUL AR MEDIA
04/06/2000 - 11/30/2003 FY02: $0 Total: $69,847
Prin. Invest.: D BARBASI
Tech. Officer: GRC/J H AGUI
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2418 **UNIV OF NOTRE DAME** **4539**
NASA GRADUATE STUDENT DOCTORAL BUDGET PROJECT NASA GRADU-ATE STUDENT DOCTORAL BUDGET PROJECT
05/09/2000 - 12/01/2001 FY02: $0 Total: $252,500
Prin. Invest.: S JOHNSON
Tech. Officer: GRC/R LAWRENCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2696 **UNIV OF NOTRE DAME** **4540**
FUNDAMENTAL STUDIES ON TWO-PHASE GAS-LIQUID FLOWS THROUGH PACKED-BEDS IN MICROGRAVITY
01/29/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D J MCCREADY
Tech. Officer: GRC/B MOTIL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2701 **UNIV OF NOTRE DAME** **4541**
MICROCIRCULATION ANOMALIES IN MICROGRAVITY BLOOD F LOW
02/04/2002 - 10/31/2005 FY02: $0 Total: $0
Prin. Invest.: D CHANG
Tech. Officer: GRC/R ANSAH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9364 **UNIV OF NOTRE DAME** **4542**
SUPERNOVAE AND THE UNIVERSE (LTSA - 99)
04/25/2000 - 04/30/2005 FY02: $0 Total: $221,152
Prin. Invest.: P GARNAVICH
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9731 **UNIV OF NOTRE DAME** **4543**
THE MICROLENSING PLANET SEARCH PROJECT
06/20/2000 - 02/28/2003 FY02: $0 Total: $93,000
Prin. Invest.: D BENNET
Tech. Officer: GSFC/J BOYCE
CASE Category: 13 – PHYSICS

NAG 5 10503 **UNIV OF NOTRE DAME** **4544**
ERROR CONTROL CODING TECHNIQUES FOR SPACE & SATEL- LITE COMMUNICATIONS
03/01/2001 - 02/28/2003 FY02: $0 Total: $70,000
Prin. Invest.: D J COSTELLO
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10638 **UNIV OF NOTRE DAME** **4545**
GEOCHEMICAL EVOLUTION OF THE MOON & METEORITES
03/17/2001 - 03/14/2002 FY02: $0 Total: $30,000
Prin. Invest.: C NEAL
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12076 **UNIV OF NOTRE DAME** **4546**
GEOCHEMICAL EVOLUTION OF THE MOON & METEORITES
04/30/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: C NEAL
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NCC 1 395 **UNIV OF NOTRE DAME** **4547**
TURBULENT WAKE DEVELOPMENT IN PRESSURE GRADIENT
05/08/2000 - 07/14/2001 FY02: $0 Total: $48,277
Prin. Invest.: R C NELSON, F O THOMAS
Tech. Officer: LARC/J B ANDERS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01054 **UNIV OF NOTRE DAME** **4548**
TURBULENT WAKE DEVELOPMENT IN PRESSURE GRADIENT
06/25/2001 - 07/14/2003 FY02: $0 Total: $22,000
Prin. Invest.: F O THOMAS, R C NELSON
Tech. Officer: LARC/J B ANDERS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1014 **UNIV OF NOTRE DAME** **4549**
EXPERIMENTAL INVESTIGATION OF UNSTEADY ASPECTS OF HIGH FLOWS
02/01/1998 - 12/31/2002 FY02: $0 Total: $199,080
Prin. Invest.: F O THOMAS, S OLSON, R C NELSON
Tech. Officer: ARC/J C ROSS, ARC/D SATRAN
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 466 **UNIV OF NOTRE DAME** **4550**
FUNDAMENTAL PROCESSES OF ATOMIZATION IN FLUID-FLUI D FLOWS
04/16/1996 - 04/15/2001 FY02: $0 Total: $519,994
Prin. Invest.: M J MCCREADY, H C CHANG, D T LEIGHTON
Tech. Officer: GRC/J B MCGUILLEN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 770 **UNIV OF NOTRE DAME** **4551**
EFFECTS OF NONUNIFORM FLOWS ON SOUND GENERATION AN D PROPA-GATION
02/10/2000 - 09/30/2001 FY02: $0 Total: $103,727
Prin. Invest.: D ATASSI
Tech. Officer: GRC/J R SCOTT
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 775 **UNIV OF NOTRE DAME** **4552**
ENHANCED DESIGN OF TURBO-JET LPT BY ACTIVE SEPARAT ION CON-TROL
02/16/2000 - 12/15/2002 FY02: $0 Total: $170,372
Prin. Invest.: P C CORKE
Tech. Officer: GRC/D ASHPIS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 935 **UNIV OF NOTRE DAME** **4553**
ENHANCED DESIGN OF TURBO-JET LPT BY SEPARATION CON TROL USING PHASED PLASMA ACTUATORS
01/03/2002 - 01/02/2005 FY02: $0 Total: $0
Prin. Invest.: D C CORKE
Tech. Officer: GRC/D E ASHIPS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 02003 **UNIV OF NOTRE DAME** **4554**
GRADUATE STUDENT RESEARCH PROGRAM
06/06/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: T C CORKE, E H MATLIS
Tech. Officer: LARC/M CHOUDHARI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8490 **VALPARISO UNIV** **4555**
VALIDATION OF H20 & 03 MEASUREMENTS FROM SAGE III USING TRAJECTORY MAPPING & CONSTITUENT RECONSTRUCT
05/19/1999 - 10/31/2002 FY02: $0 Total: $66,156
Prin. Invest.: G A MORRIS
Tech. Officer: GSFC/J C DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

IOWA

NAG 1 1933 **IOWA STATE UNIV** **4556**
DEVELOPMENT OF ENHANCED X-RAY INSPECTION
05/21/1997 - 05/19/2001 FY02: $0 Total: $233,901
Prin. Invest.: J GRAY, J BASART
Tech. Officer: LARC/W P WINFREE, LARC/F R PARKER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 1 01040 **IOWA STATE UNIV** **4557**
NEW APPROACHES TO INVERTING NDE DATA MY 1/3
03/15/2001 - 12/31/2003 FY02: $0 Total: $80,000
Prin. Invest.: S S UPDA, J R BOWLER
Tech. Officer: LARC/W P WINFREE
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 02098 **IOWA STATE UNIV** **4558**
ADVANCED NON-DESTRUCTIVE EVALUATION (NDE) FOR FUTURE AEROSPACE SYSTEMS
05/23/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: R B THOMPSON
Tech. Officer: LARC/E R GENERAZIO, LARC/W P WINFRE
CASE Category: 13 – PHYSICS

NAG 2 1471 **IOWA STATE UNIV** **4559**
VERIFICATION OF CONTROLLERS BASED ON ADAPTIVE NEUR AL NETWORKS
05/01/2001 - 04/14/2003 FY02: $0 Total: $66,301
Prin. Invest.: A KELKAR
Tech. Officer: ARC/M R LOWRY, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2342 **IOWA STATE UNIV** **4560**
MODELING SURFACE ICING ROUGHNESS AND SURFACE WATER TRANSPORT
03/01/2000 - 12/31/2000 FY02: $0 Total: $80,184
Prin. Invest.: A ROTHMAYER
Tech. Officer: GRC/M G POTAPCZUK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2540 **IOWA STATE UNIV** **4561**
DEVELOPMENT OF CHEMICALLY AND THERMALLY ROBUST LIT HIUM FAST ION CONDUCTING CHALCAGENIDE GLASSES
02/08/2001 - 01/13/2003 FY02: $0 Total: $75,000
Prin. Invest.: S W MARTIN
Tech. Officer: GRC/N H HAGEDORN
CASE Category: 12 – CHEMISTRY

NAG 3 2571 **IOWA STATE UNIV** **4562**
MODELING SURFACE ICING ROUGHNESS & SURFACE WATER TRANSPORT
03/30/2001 - 02/25/2002 FY02: $0 Total: $87,597
Prin. Invest.: A P ROTHMAYER
Tech. Officer: GRC/M G POTAPCZUK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2731 **IOWA STATE UNIV** **4563**
MODELING SURFACE ICING ROUGHNESS AND SURFACE WATER TRANSPORT
03/05/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: A P ROTHMAYER
Tech. Officer: GRC/M G POTAPCZUK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2784 **IOWA STATE UNIV** **4564**
NON-LINEAR ANALYTICAL/NUMERICAL MODEL OF HIGH INTE NSITY SOUND INTERACTING WITH A LIQUID
06/17/2002 - 11/15/2002 FY02: $0 Total: $0
Prin. Invest.: J A MANN
Tech. Officer: GRC/R C OEFTERING
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 7133 **IOWA STATE UNIV** **4565**
ATMOSPHERIC DYNAMICS DEDUCED FROM UARS USING MIDDL E ATMOSPHERE ISAMS CARBOT MONOXIDE ANDUPPER T
03/16/1998 - 04/30/2002 FY02: $0 Total: $176,922
Prin. Invest.: D L STANFORD
Tech. Officer: GSFC/A DOUGLASS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7271 **IOWA STATE UNIV** **4566**
SMALL SCALE TROPOPAUSE DYNAMICS AND TOMS TOTAL OZO NE
05/05/1998 - 05/14/2002 FY02: $0 Total: $239,000
Prin. Invest.: S L STANFORD
Tech. Officer: GSFC/S CHANDRA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7530 **IOWA STATE UNIV** **4567**
ANALYSES FOR THE CLIMATOLOGY AND SHORT-TERM VARIAB ILITY OF THE ATMOSPHERIC GENERALCIRCULA
06/12/1998 - 06/14/2002 FY02: $0 Total: $216,000
Prin. Invest.: T CHEN
Tech. Officer: GSFC/S SCHUBERT
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7561 **IOWA STATE UNIV** **4568**
COUPLED ATMOSPHERE-SNOW MODEL EVALUATION OF REGION AL SNOWMELT
06/29/1998 - 06/30/2002 FY02: $0 Total: $270,000
Prin. Invest.: W J GUTOWSKI, JR.
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8293 **IOWA STATE UNIV** **4569**
DIAGNOSIS AND SIMULATION OF THE SOUTHEAST ASIAN-IN DUCED WAVETRAIN THAT OCCURS DURING TROPICAL PACI
02/25/1999 - 02/28/2003 FY02: $0 Total: $101,626
Prin. Invest.: T C CHEN
Tech. Officer: GSFC/M RIENECKER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8352 **IOWA STATE UNIV** **4570**
THEORETICAL MODELS FOR SEISMOLOGICAL STUDIES OF HO T COMPACT STARS_(ATP98
03/01/1999 - 02/28/2002 FY02: $0 Total: $194,059
Prin. Invest.: S D KAWALER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8465 **IOWA STATE UNIV** **4571**
THE RESPONSE OF THE SOLAR ATMOSPHERE TO TIME-VARYI NG AND SPATIALLY IN- HOMOGENEOUS BOUNDARY CONDIT
04/21/1999 - 03/31/2003 FY02: $0 Total: $130,214
Prin. Invest.: L A WILLSON
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 12428 **IOWA STATE UNIV** **4572**
EXCITATION AND WORLDWIDE IMPACT OF CIRCUMGLOBAL ATMOSPHERIC WAVETRAINS.
08/02/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: T CHEN
Tech. Officer: GSFC/M RIENECKER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1637 **IOWA STATE UNIV** **4573**
AN ADVANCED ENTRY GUIDANCE CONCEPT BASED ON TRAJECTORY REGULATION
10/28/1999 - 01/31/2002 FY02: $0 Total: $105,974
Prin. Invest.: P LU
Tech. Officer: MSFC/G DUKEMAN
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1681 **IOWA STATE UNIV** **4574**
DYNAMICAL SELECTION OF THREE-DIMENSIONAL INTERFACE PATTERNS IN DIRECTIONAL SOLIDIFICATION.
05/25/2000 - 11/30/2003 FY02: $0 Total: $185,300
Prin. Invest.: R K TRIVETI
Tech. Officer: MSFC/A JACKSON
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 1115 **IOWA STATE UNIV** **4575**
EXAMINATION OF BACTERIA MATERIALS
05/10/1999 - 05/09/2004 FY02: $0 Total: $45,000
Prin. Invest.: P A BAZLINSKI
Tech. Officer: JSC/E K GIBSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1184 **IOWA STATE UNIV** **4576**
EXPERIMENTS TO DETERMINE THE AERODYNAMIC COEFFIENT OF THE X38 PARAFOIL
01/28/2000 - 12/31/2002 FY02: $0 Total: $23,200
Prin. Invest.: L M LILJEGREN
Tech. Officer: JSC/R L BARTON, JSC/W D GOODRICH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1191 **IOWA STATE UNIV** **4577**
RAPID SPECIFIC CHEMICAL SENSORS AND TEST KIT
02/28/2000 - 01/31/2003 FY02: $0 Total: $491,761
Prin. Invest.: M D PORTER
Tech. Officer: JPL/D JAN
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 1 01038 **IOWA STATE UNIV** **4578**
SYNTHESIS METHODS FOR RUBUST PASSIFICATION AND CONTROL - 11
03/20/2001 - 06/15/2002 FY02: -$4,096 Total: $5,036
Prin. Invest.: A G KELKAR
Tech. Officer: LARC/S M JOSHI
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01039 **IOWA STATE UNIV** **4579**
AN INTEGRATED APPROACH TO NOISE CONTROL WITH APPLICATIONS TO AIRCRAFT CABINS
03/28/2001 - 01/31/2004 FY02: $0 Total: $68,063
Prin. Invest.: A G KELKAR
Tech. Officer: LARC/S M JOSHI
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01047 **IOWA STATE UNIV** **4580**
PREDICTIVE AND NEURAL PREDICTIVE CONTROL OF UNCERTAIN SYS-TEMS - II
04/17/2001 - 02/28/2003 FY02: $0 Total: $12,198
Prin. Invest.: A G KELKAR
Tech. Officer: LARC/P J HALEY
CASE Category: 21 – MATHEMATICS

NCC 1 02016 **IOWA STATE UNIV** **4581**
SYNTHESIS OF ANALYTIC & COMPUTATN METHODS TO EN HANCE PRE-DICTION OF HYPERSONIC VEH FLOW FIELDS
03/04/2002 - 03/03/2003 FY02: $0 Total: $0
Prin. Invest.: G R INGER
Tech. Officer: LARC/P A GNOFFO
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5349 **IOWA STATE UNIV** **4582**
PROPOSAL FOR JOINT RESEARCH EXCHANGE BETWEEN NASA & ISU
09/03/1999 - 12/31/2000 FY02: $0 Total: $109,500
Prin. Invest.: M S GORDON
Tech. Officer: ARC/W M HUO, ARC/R L JAFFE
CASE Category: 12 – CHEMISTRY

NCC 2 5379 **IOWA STATE UNIV** **4583**
STOKES CODE FOR COMPUTING MAGNETO-HYDRODYNAMIC FLO WFIELDS
04/07/2000 - 04/30/2003 FY02: $0 Total: $58,000
Prin. Invest.: J C TANNEHILL
Tech. Officer: ARC/U B MEHTA
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5517 **IOWA STATE UNIV** **4584**
NUMERICAL SIMULATION OF A SUPERSONIC MHD FLOWS USI NG AN ITERATIVE PNS ALGORITHM
08/08/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: J C TANNEHILL
Tech. Officer: ARC/U B MEHTA, ARC/S LAWRENCE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 846 **IOWA STATE UNIV** **4585**
QUENCHING OF PARTIAL-GAS COMBUSTIBLE MIXTURES USIN G ELECTRIC PARTICULATE SUSPENSION (EPS) AND DISPE
01/09/2001 - 12/07/2004 FY02: $0 Total: $84,996
Prin. Invest.: G M COLVER
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 46 – MECHANICAL ENGR

NCC 8 98 **IOWA STATE UNIV** **4586**
INTERFACE PATTERN SELECTION CRITERION FOR CELLULAR STRUC-TURES IN DIRECTIONAL SOLIDIFICATION
06/28/1996 - 12/31/2002 FY02: $0 Total: $1,024,543
Prin. Invest.: R K TRIVEDI
Tech. Officer: MSFC/M HAMMOND
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 9 100 **IOWA STATE UNIV** **4587**
60 DAY DEFINITION PHASE
08/01/1999 - 10/03/2004 FY02: $0 Total: $1,225,000
Prin. Invest.: D OLSEN
Tech. Officer: JSC/H LANE
CASE Category: 55 – AGRICULTURE

NGT 3 52380 **IOWA STATE UNIV** **4588**
GRADUATE STUDENT RESEARCHERS PROGRAM GRADUATE STUDENT RESEARCHERS PROGRAM
06/29/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: D ROTHMAYER
Tech. Officer: GRC/F J MONTGOMERY
CASE Category: 49 – ENGINEERING, OTHER

NGT 4 52433 **IOWA STATE UNIV** **4589**
GRADUATE STUDENT RESEARCH PROGRAM - FORMULATION OF A COMPLETE AIRCRAFT STRUCTURAL VARIATIONMODEL F
06/17/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: F R CHAVEZ
Tech. Officer: DFRC/K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 30419 **IOWA STATE UNIV** **4590**
INTERANNUAL VARIATION OF THE NORTH AMERICAN MONSOO N RAINFALL STUDENT: JIN-HO YOON
09/06/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: T CHEN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40081 **IOWA STATE UNIV** **4591**
IOWA STATE GRANT COLL AND FELLOWSHIP PROGRAM
02/08/2001 - 01/31/2005 FY02: $0 Total: $493,374
Prin. Invest.: W J BYRD
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52895 **IOWA STATE UNIV** **4592**
OPTIMAL EARTH-MARS TRANSFER TRAJECTRIES USING ADVANCED PROPULSION SYSTEM
05/25/2001 - 06/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: P LU
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 8 52903 **IOWA STATE UNIV** **4593**
MORPHOLOGICAL SELECTION DURING ALLOW SOLIDIFICATIO SOLIDIFICATION.
05/25/2001 - 06/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: R NAPOLITANO
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2305 **UNIV OF IOWA** **4594**
IMPACT OF MINERAL AND OTHER AEROSOLS AND ASIAN EMISSIONS ON THE CHEMISTRY OF THE TROPOSPHERE
06/15/2000 - 03/31/2003 FY02: $0 Total: $211,000
Prin. Invest.: G R CARMICHAEL, H LEVY
Tech. Officer: LARC/G L MADDREA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02097 **UNIV OF IOWA** **4595**
SYNTHETIC VISION DISPLAY: OPTIMAL DISPLAY CHARACTERISTICS
05/14/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: T SCHNELL, K LEMOS
Tech. Officer: LARC/L J GLAAB
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2128 **UNIV OF IOWA** **4596**
PLASMA DUST CRYSTALLIZATION PLASMA DUST CRYSTALLIZATION
02/27/1998 - 12/31/2002 FY02: $0 Total: $459,000
Prin. Invest.: J A GOREE
Tech. Officer: GRC/R B ROGERS
CASE Category: 13 – PHYSICS

NAG 3 2368 **UNIV OF IOWA** **4597**
RIVULET DYNAMICS WITH VARIABLE GRAVITY AND WIND SH EAR
04/03/2000 - 11/30/2003 FY02: $0 Total: $125,932
Prin. Invest.: D S MARSHALL
Tech. Officer: GRC/C E NIEDERHAUS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2375 **UNIV OF IOWA** **4598**
THEORY AND SIMULATION OF GROUND-BASED AND MICROGRA VITY DUSTY PLASMA EXPERIMENTS
03/28/2000 - 11/30/2003 FY02: $0 Total: $140,000
Prin. Invest.: A BHATTACHARJEE
Tech. Officer: GRC/R B ROGERS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2771 **UNIV OF IOWA** **4599**
OPTICALLY-EXCITED WAVES IN 3D DUSTY PLASMAS OPTICALLY-EXCITED WAVES IN 3D DUSTY PLASMAS
04/22/2002 - 03/31/2006 FY02: $0 Total: $0
Prin. Invest.: D A GOREE
Tech. Officer: GRC/R B ROGERS
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 5232 **UNIV OF IOWA** **4600**
ROCKET AURORAL CORRELATOR EXPERIMENT PI DR. CRAIG KLETZING
02/12/1999 - 02/09/2003 FY02: $0 Total: $373,657
Prin. Invest.: C A KLETZING
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5319 **UNIV OF IOWA** **4601**
PLASMA DIAGNOSTIC FOR THE HIBAR EXPERIMENT PLASMA DIAGNOSTIC FOR THE HIBAR EXPERIMENT
03/19/2001 - 02/28/2004 FY02: $0 Total: $78,966
Prin. Invest.: C A KLETZING
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 7187 **UNIV OF IOWA** **4602**
RESTORATION AND ARCHIVING OF THE ISEE 1 AND 2 PLAS MA WAVE INVESTIGATION DATA SETS
03/26/1998 - 06/30/2002 FY02: $0 Total: $134,117
Prin. Invest.: D ANDERSON
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 11 – ASTRONOMY

NAG 5 7390 **UNIV OF IOWA** **4603**
GENERATION AND SCATTERING OF RADIATION OBSERVED BY VOYAGER IN THE OUTER HELIOSPHERE
05/07/1998 - 02/28/2002 FY02: $0 Total: $43,200
Prin. Invest.: I H CAIRNS
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7684 **UNIV OF IOWA** **4604**
FUNDING OF THE ANAYLSIS OF PLASMA MEASUREMENTS FOR THE GEOTAIL EXTENDED MISSION / FUNDING FOR YR 1
09/09/1998 - 09/30/2002 FY02: $0 Total: $1,270,000
Prin. Invest.: L A FRANK
Tech. Officer: GSFC/D H FAIRFIELD
CASE Category: 13 – PHYSICS

NAG 5 7710 **UNIV OF IOWA** **4605**
A PROPOSAL FOR STUDYING GEOMAGNETIC STORMS FROM THE ANALYSES AND INTER. OF PLASMA WAVE DATA
09/23/1998 - 10/31/2001 FY02: $0 Total: $460,000
Prin. Invest.: R R ANDERSON
Tech. Officer: GSFC/D H FAIRFIELD
CASE Category: 13 – PHYSICS

NAG 5 7712 **UNIV OF IOWA** **4606**
FUNDING FOR VIS ON THE POLAR SPACECRAFT FOR THE EX TENDED MISSION
09/28/1998 - 03/31/2002 FY02: $0 Total: $1,978,606
Prin. Invest.: L A FRANK
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 13 – PHYSICS

NAG 5 7943 **UNIV OF IOWA** **4607**
POLAR PLASMA WAVE INVESTIGATION DATA ANALYSIS IN T HE EXTENDED MISSION
01/27/1999 - 03/31/2002 FY02: $0 Total: $1,018,757
Prin. Invest.: D GURNATT
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8119 **UNIV OF IOWA** **4608**
GGS-POLAR-HYDRA EXTENDED MISSION SCIENCE INVESTIGA TION
01/29/1999 - 01/31/2002 FY02: $0 Total: $1,696,000
Prin. Invest.: J SCUDDER
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8873 **UNIV OF IOWA** **4609**
COUPLING SATELLITE REMOTE SENSING & UNSTEADY FLOW MODELING FOR DISCHARGE ESTIMATION
11/16/1999 - 10/31/2002 FY02: $0 Total: $141,702
Prin. Invest.: A BRADLEY
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8918 **UNIV OF IOWA** **4610**
ANALYSIS AND MODELING OF JOVIAN RADIO EMISSIONS OBSERVED BY GALILEO
01/18/2000 - 06/30/2003 FY02: $0 Total: $105,000
Prin. Invest.: J MENIETTI
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9499 **UNIV OF IOWA** **4611**
NEW GRANT EXTEND SOLAR MAX: COLLISIONLESS RECOMME NDATION THEORY AND HIGH RESOLUTION SIMULATIONS
05/04/2000 - 05/14/2002 FY02: $0 Total: $100,000
Prin. Invest.: J SCUDDER
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9561 **UNIV OF IOWA** **4612**
WAVE AND PARTICLE INTERACTIONS IN THE HIGH AND LOW -ALTITUDE AURORAL REGION DURING RISING SOLARACTI
05/04/2000 - 05/14/2003 FY02: $0 Total: $90,041
Prin. Invest.: D GURNETT
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9664 **UNIV OF IOWA** **4613**
GROUND-BASED RAINFALL ESTIMATION STUDIES FOR TRMM VALIDATION
06/08/2000 - 12/14/2002 FY02: $0 Total: $208,000
Prin. Invest.: W F KRAJEWSKI
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9964 **UNIV OF IOWA** **4614**
X-RAY EMISSION FROM SINGLE WOLF-RAYET STARS
09/25/2000 - 08/31/2002 FY02: $0 Total: $32,581
Prin. Invest.: R IGNACE
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9974 **UNIV OF IOWA** **4615**
A PROPOSAL FOR CLUSTER II WIDEBAND (WBD) PLASMA WAVE INVESTIGATION MISSION OPERATIONS & DATA
09/21/2000 - 10/31/2003 FY02: $60,000 Total: $846,130
Prin. Invest.: D GURNETT
Tech. Officer: GSFC/M GOLDSTEIN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10329 **UNIV OF IOWA** **4616**
BALLOONING INSTABILITIES OF COLLISIONLESS THIN CURRENT SHEETS: A MECHANISM FOR SUBSTORM ONSET
01/29/2001 - 01/31/2003 FY02: $0 Total: $40,000
Prin. Invest.: A BHATTACHARJEE
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11117 **UNIV OF IOWA** **4617**
PLASMA MEASUREMENTS FOR GEOTAIL
08/08/2001 - 10/15/2001 FY02: -$400,000 Total: $0
Prin. Invest.: L FRANK
Tech. Officer: GSFC/D FAIRFIELD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11379 **UNIV OF IOWA** **4618**
A PROPOSAL FOR WRAPPING UP THE ANALYSES AND INTERP RETATION OF PLASMA WAVE DATA FROM THE GEOTAIL
10/25/2001 - 01/31/2002 FY02: $35,000 Total: $35,000
Prin. Invest.: R ANDERSON
Tech. Officer: GSFC/D FAIRFIELD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11485 **UNIV OF IOWA** **4619**
PLASMA MEASUREMENTS FOR GEOTAIL
12/19/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: L FRANK
Tech. Officer: GSFC/D FAIRFIELD
CASE Category: 11 – ASTRONOMY

NAG 5 11528 **UNIV OF IOWA** **4620**
THE ANALYSIS OF IMAGES FROM THE VISIBLE IMAGING SY STEM ON POLAR SPACECRAFT FOR THE ISTP MISSION
01/14/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: L FRANK
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11676 **UNIV OF IOWA** **4621**
GGS-POLAR-HYDRA EXTENDED MISSION SCIENCE INVESTIGA TION
01/30/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: J SCUDDER
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11688 **UNIV OF IOWA** **4622**
"IMPACT OF FIELD-SCALE HETEROGENEITY IN SURFACE MO ISTURE AND VEGETATION COVER ON REGIONAL SCALE FLU
02/12/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: W EICHINGER
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11707 **UNIV OF IOWA** **4623**
PLASMA WAVE DATA FROM GEOTAIL
02/14/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: R ANDERSON
Tech. Officer: GSFC/D FAIRFIELD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11867 **UNIV OF IOWA** **4624**
ALFVEN WAVE ELECTRON ACCELERATION ON REALISTIC AUR ORAL FIELD LINES
03/18/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: C A KLETZING
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11942 **UNIV OF IOWA** **4625**
A PROPOSAL FOR POLAR PLASMA WAVE INVESTIGATION (PW I) DATA ANALYSIS IN THE EXTENDED MISSION
03/29/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: D A GURNETT
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11969 **UNIV OF IOWA** **4626**
AMSR VALIDATION SITE IN IOWA CITY, IOWA
04/05/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: W KRAJEWSKI
Tech. Officer: GSFC/RADLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11981 **UNIV OF IOWA** **4627**
DATA-CENTRIC ANALYSIS OF SCIENCE RETURN FOR HUMAN- DIRECTED ROBOTIC GEOLOGY
05/14/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: G W THOMAS
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1352 **UNIV OF IOWA** **4628**
FOR RESEARCH "REAL TIME MONITORING OF PROTEIN CONCENTRATION IN SOLUTION TO CONTROL NUCLEATION...
06/02/1997 - 08/31/2001 FY02: $0 Total: $573,441
Prin. Invest.: M A ARNOLD
Tech. Officer: MSFC/B GUYNES, MSFC/J MAYO
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1588 **UNIV OF IOWA** **4629**
REJUBENATION OF SPENT MEDIA VIA SUPPORTED EMU- LATION LIQUID MEMBRANES
03/19/1999 - 11/30/2002 FY02: $100,000 Total: $610,650
Prin. Invest.: J WIENECK
Tech. Officer: MSFC/B GUYNES, MSFC/D CHAFEE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1591 **UNIV OF IOWA** **4630**
EVALUATING OXIDATIVE STREE IN VIRALLY-INFECTED CELLS IN SIMU- LATED MICROGRAVITY
03/19/1999 - 11/30/2002 FY02: $0 Total: $376,850
Prin. Invest.: V G RODGERS
Tech. Officer: JSC/M ANDERSON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1592 **UNIV OF IOWA** **4631**
R/S MONITORING AND CONTROL OF ROTATING WALL VESSELS AND APPLICATION TO THE STUDY OF PROSTATE
03/30/1999 - 11/30/2002 FY02: $0 Total: $658,950
Prin. Invest.: D W MURHAMMER
Tech. Officer: JSC/S GONDA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1593 **UNIV OF IOWA** **4632**
R/S EXTREMOPHILIC INTERFACIAL SYSTEMS FOR WASTE PROCESSING IN SPACE
03/15/1999 - 11/30/2002 FY02: $0 Total: $316,450
Prin. Invest.: T L PEEPLES
Tech. Officer: MSFC/B GUYNES, MSFC/D CHAFEE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1835 **UNIV OF IOWA** **4633**
NONINVASIVE NEAR-INFRARED MONITORS FOR PROTEIN SRYSTALLIZA- TION
08/30/2001 - 11/30/2004 FY02: $0 Total: $124,000
Prin. Invest.: M A ARNOLD
Tech. Officer: MSFC/B GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 1 422 **UNIV OF IOWA** **4634**
REGIONAL SCALE FORCASTING AND EXPERIMENT-SPECIFIC EMISSION ESTIMATES OF GAS AND AEROSOL DISTRIBUTION
09/26/2000 - 06/30/2003 FY02: $0 Total: $105,551
Prin. Invest.: G R CARMICHAEL
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 3 666 **UNIV OF IOWA** **4635**
REFLIGHT OF ELF (ENCLOSED LAMINAR FLAMES) INVESTIG ATION
02/02/1999 - 01/03/2003 FY02: $0 Total: $225,575
Prin. Invest.: D CHEN
Tech. Officer: GRC/D P STOCKER
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 94 **UNIV OF IOWA** **4636**
EQUIAXED DENDRITIC SOLIDIFICATION EXPERIMENT (EDSE
05/31/1996 - 05/03/2003 FY02: $0 Total: $916,480
Prin. Invest.: C BECKERMANN
Tech. Officer: MSFC/A JACKMAN, MSFC
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 8 199 **UNIV OF IOWA** **4637**
DENDRITIC ALLOY SOLIDIFICATION EXPERIMENT (DASE)
04/12/2000 - 11/30/2003 FY02: $0 Total: $186,250
Prin. Invest.: C BECKERMANN
Tech. Officer: GSFC/P DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 5 30199 **UNIV OF IOWA** **4638**
ASSESSMENT OF THE IMPACT OF ASIAN EMISSIONS ON A LOCAL, REGIONAL & GLOBAL SCALE/STUDENT: SARATHG
08/25/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: G CARMICHAEL
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50377 **UNIV OF IOWA** **4639**
ARCHAEAL CHAPERONINS CAN BE USED TO EXTEND THE FUNCTIONAL RANGE OF CONDITIONS IN WHICH ENZYMES
09/05/2001 - 09/14/2004 FY02: $0 Total: $22,000
Prin. Invest.: T PEEPLES
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

KANSAS

NAG 1 02014 **KANSAS STATE UNIV** **4640**
STIFFNESS & STRENGTH OF POLYMER NETWORK & CARBON NANOTUBE REINFORCED POLYMER NETWORK
12/07/2001 - 12/09/2004 FY02: $0 Total: $0
Prin. Invest.: Y WANG
Tech. Officer: LARC/J A HINKLEY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02041 **KANSAS STATE UNIV** **4641**
COMPUTATIONAL MODELS FOR ELECTROSTRICTIVE GRAFT ELASTOMER
01/18/2002 - 01/17/2005 FY02: $0 Total: $0
Prin. Invest.: Y WANG
Tech. Officer: LARC/J SU
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 2 1274 **KANSAS STATE UNIV** **4642**
DIFFERENTIATION OF BONE MARROW MACROPHAGES IN SPAC E-PHASE A
12/28/1998 - 09/30/2002 FY02: $0 Total: $586,604
Prin. Invest.: S K CHAPES
Tech. Officer: ARC/W E HINDS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2360 **KANSAS STATE UNIV** **4643**
GELATION IN AEROSOLS: NON-MEAN-FIELD AGGREGATION KINECTICS
03/27/2000 - 11/30/2003 FY02: $0 Total: $120,000
Prin. Invest.: C SORENSEN
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 13 – PHYSICS

NAG 5 11337 **KANSAS STATE UNIV** **4644**
SCALING UP THE ECOSYSTEM CONSEQUENCES OF FOREST EX PANSION IN THE GREAT PLAINS REGION
09/07/2001 - 09/14/2004 FY02: $0 Total: $194,762
Prin. Invest.: L JOHNSON
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1687 **KANSAS STATE UNIV** **4645**
RESEARCH ENTITLED, "NANOCRYSTAL SUPERLATTICES: SYNTHESIS AND PROPERTIES"
06/01/2000 - 11/30/2003 FY02: $0 Total: $101,500
Prin. Invest.: C M KLABUNDE
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1702 **KANSAS STATE UNIV** **4646**
RESEARCH, "CRYSTAL GROWTH OF NEW FAMILIES OF FERROELASTIC MATERIALS"
06/07/2000 - 11/30/2003 FY02: $0 Total: $125,500
Prin. Invest.: M D HOLLINGSWORTH
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG10 325 **KANSAS STATE UNIV** **4647**
USEFUL LIFE PREDICTION FOR PAYLOAD CARRIER HARDWAR E
09/19/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: D BEN-ARIEH
Tech. Officer: KSC/L GOSPER
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 234 **KANSAS STATE UNIV** **4648**
ASPECTS AND CONTROL OF TIDAL SEDIMENTATION AND THE EXTRACTION AND MODELING OF TIDAL PARAMETERS FROM
12/12/1997 - 09/30/2001 FY02: $0 Total: $75,000
Prin. Invest.: A ARCHER
Tech. Officer: GSFC/B BILLS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 1 01011 **UNIV OF KANSAS** **4649**
ESTIMATION OF UNSTEADY AERODYNAMIC MODELS FROM FLIGHT TEST DATA
12/08/2000 - 06/30/2003 FY02: $0 Total: $62,572
Prin. Invest.: C E LAN
Tech. Officer: LARC/J M BRANDON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 7053 **UNIV OF KANSAS** **4650**
ANALYSIS OF AIRCRAFT LASER ALTIMETER DATA FROM GRE ENLAND
02/25/1998 - 02/28/2002 FY02: $0 Total: $90,772
Prin. Invest.: D A BRAATEN
Tech. Officer: GSFC/R THOMAS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8758 **UNIV OF KANSAS** **4651**
MEASUREMENT OF THE THICKNESS OF THE GREENLAND ICE SHEET & HIGH RESOLUTION MAPPING OF INTERNALLAYERS
08/24/1999 - 12/31/2002 FY02: $0 Total: $547,701
Prin. Invest.: S GOGINENI
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9840 **UNIV OF KANSAS** **4652**
REMOTE SENSING OF EAST ANTARCTIC ICE STREAMS
07/26/2000 - 03/31/2002 FY02: $0 Total: $113,221
Prin. Invest.: S GOGINENI
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9841 **UNIV OF KANSAS** **4653**
INCUBATING COMMERCIAL REMOTE SENSING PRODUCTS
07/28/2000 - 01/14/2002 FY02: $0 Total: $100,000
Prin. Invest.: K P PRICE
Tech. Officer: GSFC/A J TUYAHOV
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11106 **UNIV OF KANSAS** **4654**
VALIDATION OF AMSR-E & AMSU/HSB LEVEL 1 BRIGHTNESS TEMPERATURES & LEVEL 2 CLOUD & PRECIPITATION
07/13/2001 - 08/31/2004 FY02: $0 Total: $84,273
Prin. Invest.: R BENNARTZ
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11788 **UNIV OF KANSAS** **4655**
VALIDATIONS OF AMSR SNOW DEPTH ON SEA ICE RETREIVA LS USING AN AIRBORNE PULSE RADAR
02/26/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: S GOGINENI
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11988 **UNIV OF KANSAS** **4656**
INCUBATING COMMERCIAL REMOTE SENSING PRODUCTS
04/09/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: K P PRICE
Tech. Officer: GSFC/A J TUYAHOV
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12439 **UNIV OF KANSAS** **4657**
RADAR SOUNDING AND AIRBORNE HIGH RESOLUTION MAPPIN G OF NEAR SURFACE LAYERS OF THE GREENLAND ICE
08/12/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: P GOGINENI
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12588 **UNIV OF KANSAS** **4658**
ICE THICKNESS MEASUREMENTS OVER THE PATAGONIAN GLA CIES AND THE PINE ISLAND AND THWAITES GLACIER
09/18/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: P KANAGARATNAM
Tech. Officer: GSFC/W ABDALATI
CASE Category: 33 – OCEANOGRAPHY

NAG13 01008 **UNIV OF KANSAS** **4659**
LINKING REMOTE SENSING, LAND USE, AND CARBON SEQUESTRATION: INSIGHTS LEAF TO LANDSCAPE SCALE
09/18/2001 - 09/17/2003 FY02: $0 Total: $997,800
Prin. Invest.: K P PRICE
Tech. Officer: SSC/B DAVIS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99009 **UNIV OF KANSAS** **4660**
CONSORTIUM FOR PRODUCTS AND TECHNOLOGY TO SUPPORT THE GREAT PLAINS AGROECOSYSTEM
03/01/1999 - 03/01/2003 FY02: $0 Total: $1,550,000
Prin. Invest.: E A MARTINKO
Tech. Officer: SSC/C HILL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 99019 **UNIV OF KANSAS** **4661**
REMOTE SENSING-BASED GEOSTATISTICAL MODELING FOR CONIFEROUS FOREST INVENTORY & CHARACTERIZATION
08/10/1999 - 08/09/2003 FY02: $0 Total: $430,000
Prin. Invest.: M JAKUBAUSKAS
Tech. Officer: SSC/R MCKALLIP
CASE Category: 32 – GEOLOGICAL SCIENCE

NAS 1 99052 **UNIV OF KANSAS** **4662**
DEVELOPMENT OF A HYBRID RF/LASER RADAR
03/08/1999 - 03/07/2002 FY02: $0 Total: $583,648
Prin. Invest.: C ALLEN
Tech. Officer: LARC/J HILL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 3 00162 **UNIV OF KANSAS** **4663**
NRA 99-OES-08 ESTO AIST SBI
08/01/2000 - 08/02/2002 FY02: $0 Total: $305,462
Prin. Invest.: G, J P EVANS
Tech. Officer: GRC/K BHASIN
CASE Category: 45 – ELECTRICAL ENGR

NCC 5 168 **UNIV OF KANSAS** **4664**
KANSAS SPACE AND LIFE SCIENCES, GEOPHYSICAL INFORM AERONAUTICS AND FLIGHT ENGINEERING TECHNOLOGY (K-
01/27/1997 - 12/31/2002 FY02: $0 Total: $2,500,000
Prin. Invest.: D R DOWNING
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 415 **UNIV OF KANSAS** **4665**
EPSCOR PREPARATION PROGRAM
06/24/1999 - 03/01/2002 FY02: $0 Total: $450,000
Prin. Invest.: D DOWNING
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 600 **UNIV OF KANSAS** **4666**
KANSAS NASA EPSCOR PROGRAM: EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE RESEARCH
12/17/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: D R DOWNING
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 3 52361 UNIV OF KANSAS 4667
NASA GRADUATE STUDENT RESEARCHERS PROGRAM NASA GRADUATE STUDENT RESEARCHERS PROGRAM
08/18/1999 - 08/14/2002 FY02: $0 Total: $49,500
Prin. Invest.: R TAGHAVI
Tech. Officer: GRC/M MEYER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 30404 UNIV OF KANSAS 4668
DETERMINATION OF THERMAL RESPONSE PATTERNS FROM LAND SURFACES & THEIR RELATIONSHIP WITH CLIMATIC
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S EGBERT
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30449 UNIV OF KANSAS 4669
DEVELOPMENT OF A MONOSTATIC/BISTATIC SYNTHETIC APE RTURE RADAR SYSTEM FORTWO DIMENSAIONAL MAPPING OF
08/23/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: P GOGINENI
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40065 UNIV OF KANSAS 4670
KANSAS/NATIONAL SPACE GRANT COLL AND FELLOWSHIP PROGRAM
09/16/1998 - 03/31/2001 FY02: $0 Total: $637,500
Prin. Invest.: D R DOWNING
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40121 UNIV OF KANSAS 4671
KANSAS SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/20/2001 - 03/31/2005 FY02: $0 Total: $212,500
Prin. Invest.: D R DOWNING
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50219 UNIV OF KANSAS 4672
DEVELOPMENT OF RADAR SYSTEM FOR ACCUMULATION MEASU REMENTS ESSF STUDENT: PANNIRSELVAM
09/17/1998 - 02/28/2002 FY02: $0 Total: $73,839
Prin. Invest.: G S PRASAD
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50421 UNIV OF KANSAS 4673
DEVELOPMENT OF A NEAR REAL-TIME MAPPING & MONITORI NG PROTOCOL FOR THE U.S. GREAT PLAINS AGRO-ECOS
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S EGBERT
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1016 UNIV OF KANSAS MEDICAL CENTER 4674
MICROGRAVITY & SIGNAL TRASDUCTION PATHWAYS IN SPER M
10/12/1995 - 12/31/2000 FY02: $0 Total: $572,927
Prin. Invest.: J S TASH
Tech. Officer: ARC/C M WINGET, ARC/G C JANHS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1491 UNIV OF KANSAS MEDICAL CENTER 4675
LONG-TERM SIMULATED MICROGRAVITY INHIBITS SPERMATO GENESIS IN ADULT MALE RATS
07/11/2001 - 06/30/2003 FY02: $0 Total: $111,762
Prin. Invest.: J S TASH
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 11038 UNIV OF KANSAS MEDICAL CENTER 4676
STUDIES IN PLANETARY AERONOMY
06/14/2001 - 08/31/2004 FY02: $0 Total: $50,000
Prin. Invest.: T E CRAVENS
Tech. Officer: GSFC/D J BOGAN
CASE Category: 11 – ASTRONOMY

NAG 3 2137 WICHITA STATE UNIV 4677
PILOT SIMULATOR TRAINING FOR AIRCRAFT ICING PILOT SIMULATOR TRAINING FOR AIRCRAFT ICING
03/06/1998 - 08/31/2002 FY02: $0 Total: $1,014,319
Prin. Invest.: D ELLIS, M PAOADAKIS
Tech. Officer: GRC/T H BOND
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2324 WICHITA STATE UNIV 4678
WATER DROPLET IMPINGEMENT PROGRAM - PHASE II WATER DROPLET IMPINGEMENT PROGRAM - PHASE II
02/01/2000 - 11/30/2002 FY02: $0 Total: $201,434
Prin. Invest.: D PAPADAKIS
Tech. Officer: GRC/C BIDWELL
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3435 WICHITA STATE UNIV 4679
SPECTROSCOPIC PROPERTIES OF SUB STELLAR OBJECTS
10/01/1996 - 09/30/2003 FY02: $0 Total: $303,500
Prin. Invest.: D ALEXANDER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NCA 1 106 WICHITA STATE UNIV 4680
GENERAL AVIATION PROGRAM/AGATE
02/24/1995 - 02/28/2002 FY02: $0 Total: $5,207,161
Prin. Invest.: H WILLIFORD, D ELLIS
Tech. Officer: LARC/W E RICKS
CASE Category: 41 – AERONAUTICAL ENGNR

NCA 3 111 WICHITA STATE UNIV 4681
JOINT SPONSORED RESARCH AGREEMENT - ICHING RESEARC H
02/22/1996 - 03/31/2001 FY02: $0 Total: $374,101
Prin. Invest.: D ELLIS
Tech. Officer: GRC/T H BOND
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 624 WICHITA STATE UNIV 4682
TAILPLANE ICING PROGRAM - PHASE II TAILPLANE ICING PROGRAM - PHASE II
06/08/1998 - 05/31/2002 FY02: $0 Total: $464,712
Prin. Invest.: M PAPADAKIS, D ELLIS
Tech. Officer: GRC/T P RATVASKY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 8 202 **WICHITA STATE UNIV** **4683**
"ROLE OF THE FILLER WIRE COMPOSITIONS IN CRACK NUCLEATION AND PROPAGATION OF ALUMINUM WELDS"
06/08/2000 - 07/17/2002 FY02: $0 Total: $62,000
Prin. Invest.: G E TALIA
Tech. Officer: MSFC/A C NUNES, MSFC/C K RUSSELL
CASE Category: 47 – METAL & MATERIALS ENGR

KENTUCKY

NAG 5 12319 **MOREHEAD STATE UNIV** **4684**
DEVELOPMENT OF A HYBRID 18-METER ANTENNA SYSTEM FO R RE-SEARCH IN RADIO ASTRONOMY AND SATELLITE TEL
07/17/2002 - 07/14/2003 FY02: $0 Total: $0
Prin. Invest.: B K MALPHRUS
Tech. Officer: GSFC/V OXENHAM
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 01036 **UNIV OF KENTUCKY** **4685**
DEV/APPLIC OF MAGNETOELASTIC & MAGNETOACOUSTIC REMOTE QUERY ENVIRONMENTAL SENSORS
06/05/2001 - 06/30/2004 FY02: $0 Total: $157,770
Prin. Invest.: V SINGH, E DICKEY, CA GRIMES
Tech. Officer: LARC/C H ROLLINS
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1363 **UNIV OF KENTUCKY** **4686**
BIOMIMETIC DETECTION SCHEMES ON A MICROCENTRIFUGE PLATFORMS (LABCD)
07/27/1999 - 07/14/2003 FY02: $0 Total: $698,526
Prin. Invest.: S DAUNERT
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2099 **UNIV OF KENTUCKY** **4687**
LARGE EDDY SIMULATION OF FLOWS IN TURBINE CASCADES USING CONSERVATIVE UPWIND-BIASED 5TH ORDER NUMBE
12/23/1997 - 01/31/2003 FY02: $0 Total: $275,277
Prin. Invest.: P G HVANG
Tech. Officer: GRC/D E ASHPIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2567 **UNIV OF KENTUCKY** **4688**
MAGNETICALLY ASSISTED COMBUSTION EXPERIMENT (MACE)
03/16/2001 - 12/31/2004 FY02: $0 Total: $10,000
Prin. Invest.: K SAITO
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2613 **UNIV OF KENTUCKY** **4689**
AN EXPERIMENTAL AND COMPUTATIONAL INVESTIGATION OF OSCILLAT-ING AIRFOIL UNSTEADY AERODYNAMICS AT LAR
06/06/2001 - 05/31/2005 FY02: $0 Total: $46,221
Prin. Invest.: V CAPECE
Tech. Officer: GRC/D MIN
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2695 **UNIV OF KENTUCKY** **4690**
UNSTEADY AERODYNAMIC RESPONSE OF A LINEAR CASCADE OF AIR-FOILS IN SEPARATED FLOW
01/18/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: D CAPICE
Tech. Officer: GRC/E R MCFARLAND
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 3841 **UNIV OF KENTUCKY** **4691**
GAS DYNAMICS IN ACTIVE GALACTIC NUCLEI: BROAD LINE
02/28/1997 - 02/14/2001 FY02: $0 Total: $182,500
Prin. Invest.: I SHLOSMAN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6937 **UNIV OF KENTUCKY** **4692**
QUANTITATIVE X-RAY - UV LINE AND CONTINUUM SPECTRO SCOPY WITH APPLICATION TO AGN
04/29/1998 - 06/30/2001 FY02: $0 Total: $64,700
Prin. Invest.: G FERLAND
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8212 **UNIV OF KENTUCKY** **4693**
FUNDAMENTAL PROBLEMS IN ASTROPHYSICAL PLASMAS (LTS A98)
02/26/1999 - 02/28/2004 FY02: $0 Total: $233,719
Prin. Invest.: G J FERLAND
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 10518 **UNIV OF KENTUCKY** **4694**
DUST EVOLUTION IN THE EARLY UNIVERSE AND GALACTIC SYSTEMS: OBSERVATIONAL CONSEQUENCES & COSMOLOGICAL
03/07/2001 - 03/14/2003 FY02: $0 Total: $168,387
Prin. Invest.: M ELITZUR
Tech. Officer: GSFC/E DWEK
CASE Category: 11 – ASTRONOMY

NAG 5 10823 **UNIV OF KENTUCKY** **4695**
CENTRAL REGIONS IN DISK GALAXIES (ATP 2000)
05/01/2001 - 05/14/2004 FY02: $0 Total: $70,204
Prin. Invest.: I SHLOSMAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11732 **UNIV OF KENTUCKY** **4696**
ROBUST REQUIREMTNS TRACING VIA INTERNET SEARCH TEC HNOLOGY
02/14/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: J HAYES
Tech. Officer: GSFC/K MCGILL
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 12020 **UNIV OF KENTUCKY** **4697**
THE HYDRODYNAMICS OF PHOTOIONIZED FLOWS: PROBING CONDITIONS IN STARBUST GALAXIES AND STAR-FORMING
04/17/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: G J FERLAND
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAS 1 01099 **UNIV OF KENTUCKY** **4698**
A VERIFIED DESIGN TOOL FOR LARGE APERTURE MEMBRANE TELESCOPE MIRRORS
07/11/2001 - 01/31/2002 FY02: $0 Total: $126,594
Prin. Invest.: S W SMITH
Tech. Officer: LARC/R S PAPPA
CASE Category: 46 – MECHANICAL ENGR

NCC 1 385 **UNIV OF KENTUCKY** **4699**
FIGURE CONTROL OF LIGHTWEIGHT OPTICAL STRUCTURES (NASA HQS COMPETITION)
03/15/2000 - 12/31/2002 FY02: $0 Total: $185,000
Prin. Invest.: J A MAIN
Tech. Officer: LARC/R S PAPPA
CASE Category: 46 – MECHANICAL ENGR

NCC 2 5386 **UNIV OF KENTUCKY** **4700**
SIMULATIONS OF CARBON NANOTUBES IN NANOELECTRONICS AND BIO-MATERIALS APPLICATIONS
06/08/2000 - 08/31/2001 FY02: $0 Total: $25,000
Prin. Invest.: M MENON
Tech. Officer: ARC/H PATRIDGE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5405 **UNIV OF KENTUCKY** **4701**
FUNDAMENTAL PROBLEMS IN PLASMA ASTROPHYSICS: THE THERMAL EQUILIBRIUM OF NGC 7009
10/24/2000 - 10/31/2001 FY02: $0 Total: $10,250
Prin. Invest.: G J FERLAND
Tech. Officer: ARC/D GOORTVITCH
CASE Category: 11 – ASTRONOMY

NCC 2 5486 **UNIV OF KENTUCKY** **4702**
A DEVICE APPLICATIONS OF CARBON NANOTUBES A SIMULA TIONS APPROACH
03/12/2002 - 03/14/2004 FY02: $0 Total: $0
Prin. Invest.: M MENON
Tech. Officer: ARC/H PARTRIDGE, ARC/M MEYYAPEAN
CASE Category: 13 – PHYSICS

NCC 2 5491 **UNIV OF KENTUCKY** **4703**
SIMULATIONS OF SIGNAL TRANSMISSIONS ANS SWITCHING IN NANOTUBE NETWORKS
05/21/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: M MENON
Tech. Officer: ARC/B BIEGEL, ARC/T R GOVINDAN
CASE Category: 13 – PHYSICS

NCC 3 590 **UNIV OF KENTUCKY** **4704**
TURBULENCE & TRANSITION MODELING OF LOW PRESSURE T URBINE FLOWS
12/17/1997 - 12/31/2002 FY02: $0 Total: $419,754
Prin. Invest.: G HUANG
Tech. Officer: GRC/D E ASHPIS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 940 **UNIV OF KENTUCKY** **4705**
MODELING, VALIDATION AND IMPLEMENTATION OF TURBULE NCE MODELS FOR 21ST CENTURY AIRCRAFT
02/26/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: D HUANG
Tech. Officer: GRC/D ASHIPS
CASE Category: 49 – ENGINEERING, OTHER

NGT 1 01006 **UNIV OF KENTUCKY** **4706**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/05/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: S W SMETH
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52223 **UNIV OF KENTUCKY** **4707**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
09/10/1999 - 08/23/2001 FY02: $0 Total: $44,000
Prin. Invest.: M ROCHE, J MAIN
Tech. Officer: LARC/G C HORNER
CASE Category: 46 – MECHANICAL ENGR

NGT 5 71 **UNIV OF KENTUCKY** **4708**
GSRP TRAINING GRANT - GEORGE NELSON - SHAPE TUNING OF EX-TREMELY LARGE ORBITAL TELESCOPE MIRRORS
06/09/1998 - 11/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: J A MAIN
Tech. Officer: GSFC/M S BURRELL
CASE Category: 46 – MECHANICAL ENGR

NAG 5 11040 **UNIV OF LOUISVILLE** **4709**
GENERAL CIRCULATION OF PLANETARY ATMOSPHERES
06/13/2001 - 06/14/2004 FY02: $0 Total: $91,000
Prin. Invest.: T DOWLING
Tech. Officer: GSFC/D J BOGAN
CASE Category: 11 – ASTRONOMY

NCC 2 5373 **UNIV OF LOUISVILLE** **4710**
MICROARRAY ANALYSIS OF MICROGRAVITY-DEPENDENT GENE EXPRES-SIONS IN NORMAL HUMAN FIBROBLASTS
03/30/2000 - 02/14/2003 FY02: $0 Total: $185,250
Prin. Invest.: E WANG
Tech. Officer: ARC/J W HINES, ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5374 **UNIV OF LOUISVILLE** **4711**
CLONING AND FUNCTIONAL CHARACTERIZATION OF NOVEL GENES WHOSE EXPRESSIONS ARE MICROGRAVITY-DEPEN....
03/30/2000 - 02/14/2003 FY02: $0 Total: $185,250
Prin. Invest.: E WANG
Tech. Officer: ARC/J W HINES, ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 8762 **WESTERN KENTUCKY UNIV** **4712**
STARBASE NETWORK
08/27/1999 - 09/14/2003 FY02: $0 Total: $1,915,000
Prin. Invest.: C H MCGRUDER, 111
Tech. Officer: GSFC/JD ROSENDHAL
CASE Category: 11 – ASTRONOMY

NCC 5 222 **WESTERN KENTUCKY UNIV** **4713**
TO SUPPORT THE KENTUCKY NASA EXPERIMENTAL PROGRAM COMPETI-TIVE RESEARCH
08/11/1997 - 06/30/2002 FY02: $0 Total: $1,800,000
Prin. Invest.: R HACKNEY
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 396 **WESTERN KENTUCKY UNIV** **4714**
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/13/1999 - 05/31/2002 FY02: $0 Total: $450,000
Prin. Invest.: R HACKNEY
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 571 WESTERN KENTUCKY UNIV 4715
KENTUCKY NASA EPSCOR PROGRAM
07/16/2001 - 07/31/2004 FY02: $0 Total: $700,000
Prin. Invest.: R HACKNEY
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40051 WESTERN KENTUCKY UNIV 4716
NATIONAL SPACE GRANT COLL AND FELLOWSHIP PROGRA
01/30/1997 - 02/28/2002 FY02: $0 Total: $1,046,684
Prin. Invest.: R HACKNEY
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40105 WESTERN KENTUCKY UNIV 4717
KENTUCKY SPACE GRANT COLL & FELLOWSHIP PROGRAM
03/06/2001 - 02/28/2005 FY02: $0 Total: $262,650
Prin. Invest.: R HACKNEY
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

LOUISIANA

NAG 2 1320 LOUISIANA STATE UNIV - BATON ROUGE 4718
A RADAPPERTIZATION PROTOCOL FOR SAMPLES RETURNED T O EARTH FROM MARS
05/10/1999 - 04/14/2001 FY02: $0 Total: $58,800
Prin. Invest.: J R BATTISTA
Tech. Officer: ARC/D L DEVINCENZI
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 2 1460 LOUISIANA STATE UNIV - BATON ROUGE 4719
DEVELOPMENT OF A PROTOCOL FOR STERILING MINERAL SA MPLES RETURNED TO EARTH FROM MARS USING GAMMA RAD
03/08/2001 - 01/31/2003 FY02: $0 Total: $42,446
Prin. Invest.: J R BATTISTA
Tech. Officer: ARC/M FONDA, ARC/D DIVINCENZI
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1511 LOUISIANA STATE UNIV - BATON ROUGE 4720
THE EFFECTS OF MICROGRAVITY ON PROTEIN-LIGAND INTE RACTAC-TIONS
07/23/2001 - 07/31/2003 FY02: $0 Total: $89,523
Prin. Invest.: V J LICATA
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2361 LOUISIANA STATE UNIV - BATON ROUGE 4721
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF THE STABILITY OF AN EVAPORATING CONSTRAINED VAPOR BUBB
04/03/2000 - 11/30/2003 FY02: $0 Total: $71,200
Prin. Invest.: H WONG
Tech. Officer: GRC/J SKARDA
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 5064 LOUISIANA STATE UNIV - BATON ROUGE 4722
THE ADVANCED THIN IONIZATION CALORIMETER (ATIC) BALLOON EXPERI-MENT
05/03/1996 - 05/06/2001 FY02: $0 Total: $2,481,800
Prin. Invest.: J P WEFEL
Tech. Officer: GSFC/H C NEEDLEMAN, GSFC/B A MERRITT
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 5177 LOUISIANA STATE UNIV - BATON ROUGE 4723
TRANSITION RADIATION DETECTORS FOR HIGH ENERGY MEASUREMENTS ON ACCESS
04/24/1998 - 03/31/2002 FY02: $0 Total: $240,000
Prin. Invest.: M L CHERRY
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5208 LOUISIANA STATE UNIV - BATON ROUGE 4724
ULTRA-LONG DURATION MISSION CONCEPT FOR PROPOSAL FOR A MINUTE-OF-ARC RESOLUTION GAMMA-RAY EXPERIMNT
09/24/1998 - 11/30/2002 FY02: $0 Total: $210,000
Prin. Invest.: M CHERRY
Tech. Officer: WFF/B A MERRITT
CASE Category: 19 – PHYSICALSCIENCE, OTHER

NAG 5 5297 LOUISIANA STATE UNIV - BATON ROUGE 4725
SIFTER SIFTER
06/12/2000 - 06/30/2002 FY02: $0 Total: $41,500
Prin. Invest.: M L CHERRY
Tech. Officer: WFF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5306 LOUISIANA STATE UNIV - BATON ROUGE 4726
ADVANCED THIN IONIZATION CARLORIMETER BALLOON EXPERIMENT
01/09/2001 - 11/30/2003 FY02: $0 Total: $345,000
Prin. Invest.: J P WEFEL
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5307 LOUISIANA STATE UNIV - BATON ROUGE 4727
INITIAL FUNDING FOR THE ABOVE REFERENCED GRANT IN THE AMOUNT OF 55K PI: FAZELY/LSU; GRANT TITLE:
06/05/2001 - 11/30/2003 FY02: $0 Total: $55,000
Prin. Invest.: D FAZELY
Tech. Officer: WFF/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5323 LOUISIANA STATE UNIV - BATON ROUGE 4728
A WIDE-FIELD HIGH-RESOLUTION HARD X-RAY/GAMMA-RAY IMAGING TELESCOPE FOR ULTRA LONG BALLOON MISSION
03/21/2001 - 11/30/2003 FY02: $0 Total: $132,500
Prin. Invest.: M L CHERRY
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5359 LOUISIANA STATE UNIV - BATON ROUGE 4729
CONTINUED DEVELOPMENT OF SCINTILLATING FIBER DETEC TORS FOR GAMMA-RAY ASTRONOMY.
07/15/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: M CHERRY
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 7933 LOUISIANA STATE UNIV - BATON ROUGE 4730
EXTRAGALACTIC INTERSTELLAR DUST ___ (LTSA - NEW)
12/14/1998 - 12/31/2003 FY02: $0 Total: $191,989
Prin. Invest.: G C CLAYATON
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8497 LOUISIANA STATE UNIV - BATON ROUGE 4731
NUMERICAL HYDRODYNAMICS OF MASS-TRANSFERRING BINAR IES (ATP - 98)
05/18/1999 - 04/30/2003 FY02: $0 Total: $176,520
Prin. Invest.: J FRANK
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9203 LOUISIANA STATE UNIV - BATON ROUGE 4732
MOVING BEYOND THE STANDARD PARADIGM/THE IMPORTANCE OF INTER-STELLAR DUST FROM THE MILKY WAY TO HIGH R
03/16/2000 - 03/14/2003 FY02: $0 Total: $103,706
Prin. Invest.: G CLAYTON
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9245 LOUISIANA STATE UNIV - BATON ROUGE 4733
WORLD DELTAS: A BASELINE AND CHANGES.
03/14/2000 - 03/31/2003 FY02: $0 Total: $197,937
Prin. Invest.: O HUH
Tech. Officer: GSFC/H FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9709 LOUISIANA STATE UNIV - BATON ROUGE 4734
USING IR EMISSION TO CONSTRAIN THE ROLE OF DUST IN GALAXIES
07/25/2000 - 06/30/2003 FY02: $0 Total: $98,726
Prin. Invest.: G C CLAYTON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10185 LOUISIANA STATE UNIV - BATON ROUGE 4735
FAR-ULTRAVIOLET INTERSTELLAR EXTINCTION IN THE LARGE MAGEL-LANIC CLOUD - FUSE-2000
01/25/2001 - 01/31/2003 FY02: $0 Total: $73,200
Prin. Invest.: G C CLAYTON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 8 1731 LOUISIANA STATE UNIV - BATON ROUGE 4736
ADVANCED LIGHT WEIGHT MAGNET PROGRAM
07/25/2000 - 10/31/2003 FY02: $0 Total: $94,256
Prin. Invest.: R G GOODRICH
Tech. Officer: MSFC/T ROBERTSON
CASE Category: 13 – PHYSICS

NAG 8 1845 LOUISIANA STATE UNIV - BATON ROUGE 4737
SECOND GENERATION SPACE LAUNCH INITIATIVES: AN EXPLORATION AND ROADMAP TOSOLVING PROBLEMS.
07/26/2001 - 08/29/2001 FY02: $0 Total: $9,999
Prin. Invest.: B SARKER
Tech. Officer: MSFC/E SHAW
CASE Category: 49 – ENGINEERING, OTHER

NAS 8 01042 LOUISIANA STATE UNIV - BATON ROUGE 4738
MECHANICS OF GRANULAR MATERIAL MGM III
03/23/2001 - 10/31/2004 FY02: $0 Total: $120,000
Prin. Invest.: K ALSHIBLI
Tech. Officer: MSFC/B GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 5320 LOUISIANA STATE UNIV - BATON ROUGE 4739
SCALABLE SIMULATION& DATA MANAGEMENT FOR COMPUTATI ONAL NANOELECTRONICS ON THE INFORMATION POWER GRI
05/10/1999 - 08/31/2001 FY02: $0 Total: $190,000
Prin. Invest.: A NAKANO
Tech. Officer: ARC/S SAINI
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5440 LOUISIANA STATE UNIV - BATON ROUGE 4740
MULTISCALE SIMULATIONS OF PROTEIN NANOTUBES ON A G RID
07/02/2001 - 06/30/2003 FY02: $0 Total: $95,000
Prin. Invest.: P VASHISTA, R K KALIA, A NAKANO
Tech. Officer: ARC/M MEYYAPPAN, ARC/H PATRIDGE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5469 LOUISIANA STATE UNIV - BATON ROUGE 4741
CHANGES IN MICROBIAL DIVERSITY & THE OCCURANCE OF IONIZING RADIATION RESITANT ORGANISMS ACROSS MOIST
10/15/2001 - 09/14/2003 FY02: $67,763 Total: $67,763
Prin. Invest.: F A RAINEY
Tech. Officer: ARC/C MCKAY, ARC/B SMITH
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 5484 LOUISIANA STATE UNIV - BATON ROUGE 4742
SCALABLE ALGORITHMS ON THE INFORMATION POWER GRID
03/06/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: A NAKANO
Tech. Officer: ARC/S SAINI, ARC/A GRADY
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 167 LOUISIANA STATE UNIV - BATON ROUGE 4743
NASA EPSCOR PROGRAM
11/02/1996 - 10/31/2001 FY02: $0 Total: $2,300,000
Prin. Invest.: J P WEFEL
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 393 LOUISIANA STATE UNIV - BATON ROUGE 4744
NASA EPSCOR PREPARATION PROGRAM
05/13/1999 - 08/14/2002 FY02: $0 Total: $450,000
Prin. Invest.: J WEFEL
Tech. Officer: HQ/D DETROY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC13 02003 LOUISIANA STATE UNIV - BATON ROUGE 4745
ADAPTING AND VALIDATING PRECISION TECHNOLOGIES FOR COTTON PRODUCTION IN THE MID-SOUTHER U S
02/28/2002 - 01/31/2006 FY02: $0 Total: $0
Prin. Invest.: B R LEONARD
Tech. Officer: SSC/R MCKELLIP
CASE Category: 55 – AGRICULTURE

NGT 5 40115 LOUISIANA STATE UNIV - BATON ROUGE 4746
LOUISIANA SPACE GRANT COLL & FELLOWSHIP PROGRAM
03/06/2001 - 02/28/2005 FY02: $0 Total: $384,010
Prin. Invest.: J WEFEL
Tech. Officer: HQ/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52919 LOUISIANA STATE UNIV - BATON ROUGE 4747
COMPUTED TOMOGRAPHY: A POTENTIAL TECHNOLOGY TO UNDERSTAND FRICTION PROPERTIES OF GRANULAR MATERIA
05/08/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: K ALSHIBLI
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 44 – CIVIL ENGR

NGT13 52743 LOUISIANA STATE UNIV - BATON ROUGE 4748
A TESTING OF REMOTE SENSING METHODS AT THE BROUSSARD MOUNDS ITE
07/12/2000 - 11/30/2002 FY02: $0 Total: $44,000
Prin. Invest.: B S GOODWIN
Tech. Officer: SSC/R TRAVIS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT13 52755 LOUISIANA STATE UNIV - BATON ROUGE 4749
GRADUATE STUDY RESEARCH - IMPROVEMENT OF RANS MODE LS FOR ENGINE FLOWS USING DIRECT NUMERICAL SIMULA
06/24/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: S ACHARYS
Tech. Officer: SSC/R TRAVIS
CASE Category: 46 – MECHANICAL ENGR

NAG 5 4293 NORTHEAST LOUISIANA UNIV 4750
ANCIENT CRUST AND LACUSTRINE PLAIN SITES FOR MARS
04/18/1997 - 09/30/2001 FY02: $0 Total: $30,000
Prin. Invest.: D A DE HON
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 2 1468 SOUTHERN UNIV & A&M COLL 4751
INTEGRATED APPROACH TO REASONING UNDER MULTIPLE PE RSPECTIVES
03/28/2001 - 03/14/2003 FY02: $0 Total: $88,670
Prin. Invest.: C DEBESSONER
Tech. Officer: ARC/R MORRIS, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2076 SOUTHERN UNIV & A&M COLL 4752
KNOWLEDGE PRESERVATION FOR DESIGN OF ROCKET SYSTEM S
09/26/1997 - 05/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: D MOREMAN, J DYER
Tech. Officer: GRC/D F NOGA
CASE Category: 22 – COMPUTER SCIENCE

NAG 4 232 SOUTHERN UNIV & A&M COLL 4753
DEVELOPMENT OF COMPUTER AIDED RISK MITIGATION AND CATEGORIZATION PRODUCT
08/20/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: D F MENSAH
Tech. Officer: DFRC/L DAVIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 5066 SOUTHERN UNIV & A&M COLL 4754
THE ADVANCED THIN IONIZATION CALORIMETER (ATIC) BALLOON EXPERIMENT
06/17/1996 - 06/30/2001 FY02: -$388 Total: $497,112
Prin. Invest.: A R FAZELY
Tech. Officer: GSFC/H C NEEDLEMAN, GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 7157 SOUTHERN UNIV & A&M COLL 4755
DEVELOPMENT OF BALLOON-BORNE X-RAY/GAMMA DETECTORS FOR STUDIES OF HIGH ENERGY ASTROPHYSICAL SOURCE
03/11/1998 - 02/28/2003 FY02: $0 Total: $297,660
Prin. Invest.: J STACY
Tech. Officer: GSFC/J TUELLER
CASE Category: 13 – PHYSICS

NAG 5 8552 SOUTHERN UNIV & A&M COLL 4756
PROGRAM TO INCREASE THE PURSUIT OF EDUCATION AND LEARNING IN ENGINEERING AND SCIENCE
06/15/1999 - 09/30/2001 FY02: $0 Total: $1,000,000
Prin. Invest.: D BAGAYOKO
Tech. Officer: GSFC/B WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10253 SOUTHERN UNIV & A&M COLL 4757
PARTNERSHIPS IN ASTRONOMY & ASTROPHYSICS EDUCATION & RESEARCH AT SOUTHERN UNIV
01/10/2001 - 01/14/2004 FY02: $0 Total: $210,000
Prin. Invest.: G STACY
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 5 11936 SOUTHERN UNIV & A&M COLL 4758
BUILDING THE CAPACITY OF HBCUS FOR ESTABLISHING EFFECTIVE GLOBE PARTNERSHIPS.
03/27/2002 - 06/30/2002 FY02: $0 Total: $0
Prin. Invest.: D BAGAYOKO
Tech. Officer: GSFC/J L HARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1495 SOUTHERN UNIV & A&M COLL 4759
RELATIONSHIP BETWEEN STRUCTURE AND MAGNETIC AND ELECTRON TRANSPORT PROPERTIES IN R1-AXMN03
06/01/1998 - 05/31/2002 FY02: $0 Total: $238,892
Prin. Invest.: H L LAWRENCE
Tech. Officer: MSFC/D SCHMIDT
CASE Category: 13 – PHYSICS

NAG 8 1536 SOUTHERN UNIV & A&M COLL 4760
MODELING AND ANALYSIS OF HEAT-ACTIVATED THERMAL COUPLES
06/08/1998 - 06/30/2001 FY02: $0 Total: $298,750
Prin. Invest.: M A STUNNLEFIELD
Tech. Officer: MSFC/G GORDON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1625 SOUTHERN UNIV & A&M COLL 4761
FIBERGLAST INSTRUMENT DEVELOPMENT
09/22/1999 - 08/31/2001 FY02: $0 Total: $199,020
Prin. Invest.: J G STACY
Tech. Officer: MSFC/G J FISHMAN
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 8 1627 SOUTHERN UNIV & A&M COLL 4762
EDUCATION GRANT "AN INTEGRATED THEORY AND LAB LEARNING EXPERIENCE
09/09/1999 - 09/08/2002 FY02: $0 Total: $140,582
Prin. Invest.: L L LAURENCE
Tech. Officer: MSFC/W J LOVE, MSFC/A C BEAM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1633 SOUTHERN UNIV & A&M COLL 4763
VIRTUAL REALITY INNOVATIONS IN TRAINING AND SCIENCE, ENGINEERING AND MATHEMATICS EDUCATION.
09/15/1999 - 09/30/2002 FY02: $0 Total: $99,354
Prin. Invest.: M C DUNN
Tech. Officer: MSFC/A BEAM, MSFC/W LOVE
CASE Category: 21 – MATHEMATICS

NAG10 322 SOUTHERN UNIV & A&M COLL 4764
DEVELOPMENT OF A SMART MATERIAL INTEGRATED SENSOR THERMAL SWITCH FOR CRYOGENIC SYSTEMS
09/04/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: D F MENSAH
Tech. Officer: KSC/B NOTARDONATO
CASE Category: 46 – MECHANICAL ENGR

NAG13 98003 SOUTHERN UNIV & A&M COLL 4765
NOISE REMOVAL DECONVULTION AND VIBRATION RELAXA- TION STUDIES TO ENHANCE PLUME DIAGNOSTIC TECH.
03/11/1998 - 05/14/2002 FY02: $0 Total: $299,772
Prin. Invest.: A AMINI
Tech. Officer: SSC/B B ST. CYR
CASE Category: 49 – ENGINEERING, OTHER

NAG13 98013 SOUTHERN UNIV & A&M COLL 4766
MATHEMATICS AND SCIENCE ENRICHMENT ACTIVITES FOR MIDDLE AND HIGH SCHOOL STUDENTS
07/15/1998 - 06/30/2002 FY02: $0 Total: $300,000
Prin. Invest.: M SUBBLEFIELD
Tech. Officer: SSC/A JOYCE
CASE Category: 21 – MATHEMATICS

NCC 2 1344 SOUTHERN UNIV & A&M COLL 4767
PREDICTIVE CALCUKLATION AND SIMULATION FOR NANOSEM ICONUC- TORS AND RELATED HETEROSTRUCTURES FOR AEROS
05/29/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: G L ZHAO
Tech. Officer: ARC/A CARDENAS
CASE Category: 22 – COMPUTER SCIENCE

NCC 8 156 SOUTHERN UNIV & A&M COLL 4768
FOR RESEARCH ENTITLED: "STRUCTURAL MATERIALS FAILURE ANALYSIS DATABASE"
09/28/1998 - 08/31/2001 FY02: $0 Total: $198,638
Prin. Invest.: J DYER
Tech. Officer: MSFC/G JERMAN
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC13 00010 SOUTHERN UNIV & A&M COLL 4769
PROGRAM TO INCREASE PURSUIT OF EDUCATION AND LEARNING IN ENGINEERING AND SCIENCES (PIPLINES)
09/25/2000 - 09/24/2003 FY02: $0 Total: $1,828,800
Prin. Invest.: D BAGAYOKO
Tech. Officer: SSC/R TRAVIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 02070 TULANE UNIV 4770
TULANE INST FOR MACROMOLECULAR ENGINEERING AND SCIENCE (TIMES)
03/25/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: D C DEKEKEE, B S MITCHELL
Tech. Officer: LARC/J G SMITH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1378 TULANE UNIV 4771
EFFECT OF SIMULATED MICROGRAVITY ON GENE EXPRESSIO N IN THE ENTERIC PATHOGEN SALMONELLA TYPHIMURIUM
08/19/1999 - 07/31/2003 FY02: $0 Total: $334,716
Prin. Invest.: C A NICKERSON
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2689 TULANE UNIV 4772
LIFE PREDICTION MODEL FOR THERMAL BARRIER COATINGS LIFE PRE- DICTION MODEL FOR THERMAL BARRIER COATING
01/10/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: D A RUBINSTEIN
Tech. Officer: GRC/A M CALOMINO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2734 TULANE UNIV 4773
INVESTIGATIONS OF THE INFLUENCE OF AIR-LIQUID INTERFACIAL STRESSES ON PULMONARY EPITHELIAL CELLS
03/14/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D P GAVER
Tech. Officer: GRC/P A PARSONS-WINGERTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1362 TULANE UNIV 4774
FOR RESEARCH--PRODUCTION OF 125 DIOH D3 BY RENAL EPITHELIAL CELLS IN SIMULATED MICROGRAVITY CULTURE
06/01/1997 - 11/30/2001 FY02: $0 Total: $740,000
Prin. Invest.: T HAMMOND
Tech. Officer: JSC/S R GONDA
CASE Category: 56 – MEDICL

NAG 9 826 TULANE UNIV 4775
CELL CULTIVATION
08/09/1995 - 01/15/2001 FY02: $0 Total: $424,000
Prin. Invest.: K O'CONNER
Tech. Officer: JSC/N PELLIS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1344 TULANE UNIV 4776
GENETICALLY ENGINEERED COLLAGEN II FOR SMART BIOMA TERIALS
08/22/2001 - 09/30/2004 FY02: $0 Total: $44,000
Prin. Invest.: T HAMMOND
Tech. Officer: JSC/D RISEN
CASE Category: 56 – MEDICL

NAG 9 1350 TULANE UNIV 4777
NOVEL TISSUE ASSEMBLIES;MODELS FOR ENTERIC PAYTHOGENIS
08/08/2001 - 09/30/2004 FY02: $0 Total: $63,000
Prin. Invest.: C A NICKERSON
Tech. Officer: JSC/D RISIN
CASE Category: 56 – MEDICL

NAG 9 1351 TULANE UNIV 4778
SPATIAL ORGANIZATION WITHIN PROSTATE CANCER SPHEROIDS
08/01/2001 - 09/30/2004 FY02: $0 Total: $74,000
Prin. Invest.: K C O'CONNOR, S CLEJAN, D C.R. DE KEE
Tech. Officer: JSC/D RIIN
CASE Category: 56 – MEDICL

NCC 2 1362 **TULANE UNIV** **4779**
EFFECT OF SPACEFLIGHT ON MICROBIAL GENE EXPRESSION AND VIRULANCE
09/06/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: C A NICKERSON
Tech. Officer: ARC/B E GIRTEN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 3 946 **TULANE UNIV** **4780**
TULANE INST FOR MACROMOLECULAR ENGINEERING AN D SCIENCE (TIMES)
03/25/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: D DEKEE
Tech. Officer: GRC/M A MEADOR
CASE Category: 47 – METAL & MATERIALS ENGR

NGT13 52722 **TULANE UNIV** **4781**
DYNAMIC PARTICLE PROCESSES & BIOGEOCHEMICAL MATER- IAL FLUX IN RIVER DOMINATED OCEAN MARGINS
07/28/1999 - 07/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B MCKEE
Tech. Officer: JSC/R TRAVIS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT13 52754 **TULANE UNIV** **4782**
GRADUATE STUDENT RESEARCH - ARCHAEOLOGICAL REMOTE SENSING SURVEY OF THE CHUNCHUCMIL ECONOMIC REGION
06/24/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: W ANDREWS
Tech. Officer: SSC/T TRAVIS
CASE Category: 71 – ANTHROPOLOGY

NAG 3 2447 **UNIV OF NEW ORLEANS** **4783**
GEOPHYSICAL FLOW EXPERIMENT IN A ROTATING SPHERICA L CAPACITOR
05/30/2000 - 11/30/2003 FY02: $0 Total: $135,015
Prin. Invest.: J HEGSETH
Tech. Officer: GRC/F P CHIARAMONTEH
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 5376 **UNIV OF NEW ORLEANS** **4784**
LIFE IN EXTREME ENVIRONMENTS RESEARCH
03/30/2000 - 03/31/2001 FY02: $0 Total: $15,000
Prin. Invest.: Z ROSENZWEIG
Tech. Officer: ARC/M T FLYNN, ARC/J HINES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 8 223 **UNIV OF NEW ORLEANS** **4785**
DEVELOPMENT OF INNOVATIVE ADVANCED COMPOSITE MFG TECHNOLOGIES UTILIZING NCAM/LOUISIANA PARTNERSHIP
03/19/2001 - 03/18/2006 FY02: $0 Total: $2,700,000
Prin. Invest.: J N CRISP
Tech. Officer: MSFC/J VICKERS, MSFC/M NIEDERMEYER
CASE Category: 49 – ENGINEERING, OTHER

NGT13 52721 **UNIV OF NEW ORLEANS** **4786**
NUMERICAL ANALYSIS OF THERMAL STRATIFICATION AND BEYSERING IN LIQUID PROPELLANT STORAGE TANKS
07/22/1999 - 07/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: K M AKYUZLU
Tech. Officer: SSC/R TRAVIS
CASE Category: 21 – MATHEMATICS

NGT13 52740 **UNIV OF NEW ORLEANS** **4787**
OPTIMIZATION OF SPACE FLIGHT SYTEM GROUND-BASED PROCESSING
05/22/2000 - 05/31/2001 FY02: -$3,233 Total: $18,767
Prin. Invest.: R SAXTON
Tech. Officer: SSC/R TRAVIS
CASE Category: 49 – ENGINEERING, OTHER

NGT13 52749 **UNIV OF NEW ORLEANS** **4788**
FACTORS AFFECTING THE EARLY LIFE HISTORY OF FISHES IN LAKE PONTCHATRAIN, LOUISIANA
06/08/2001 - 06/30/2004 FY02: $0 Total: $21,650
Prin. Invest.: J CORBINO
Tech. Officer: SSC/R MILLER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1423 **UNIV OF SOUTHWESTERN LOUISIANA** **4789**
ANALYSIS OF THE GRAVISENSING SYSTEM IN CHARA
07/18/2000 - 06/30/2003 FY02: $0 Total: $148,994
Prin. Invest.: K H HASENSTEIN
Tech. Officer: ARC/R D MACELROY, ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG10 190 **UNIV OF SOUTHWESTERN LOUISIANA** **4790**
RESPONSE SYSTEM OF PLANTS
03/25/1996 - 11/30/2002 FY02: $0 Total: $577,358
Prin. Invest.: K H HASENSTEIN
Tech. Officer: KSC/W M KNOTT
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1609 **XAVIER UNIV - LOUISIANA** **4791**
"TEACHER AND CURRICULUM ENHANCEMENT PROGRAM"
05/25/1999 - 05/24/2002 FY02: $0 Total: $600,000
Prin. Invest.: R P HALE
Tech. Officer: MSFC/W LOVE
CASE Category: 21 – MATHEMATICS

NAG13 98006 **XAVIER UNIV - LOUISIANA** **4792**
SEEING THE EARTH: USING REMOTE SENSING TECHNOLOGIES TO STIR IMAGINATION OF STUDENTS
04/20/1998 - 10/19/2001 FY02: $0 Total: $300,000
Prin. Invest.: S O'CONNOR
Tech. Officer: JSC/R TRAVIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 02036 **XAVIER UNIV - LOUISIANA** **4793**
2002 PRE-SERVICE TEACHER INST (PSTI)
06/26/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: T C TAYLOR
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 70010 **XAVIER UNIV - LOUISIANA** **4794**
SOAR 2 SUMMER BRIDGE PROGRAM
06/12/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: A CHATTERS
Tech. Officer: GSFC/C COLLINGSWORTH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 90084 **XAVIER UNIV - LOUISIANA** **4795**
SOAR 2 SUMMER BRIDGE PROGRAM
09/09/1997 - 04/30/2001 FY02: $0 Total: $590,023
Prin. Invest.: G BAKER
Tech. Officer: GSFC/L RANDOLPH
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 90086 XAVIER UNIV - LOUISIANA 4796
SOAR 2 SUMMER BRIDGE PROGRAM
05/07/2001 - 04/30/2002 FY02: $0 Total: $150,000
Prin. Invest.: A Z CHATTERS
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

MAINE

NAG 5 6002 UNIV OF MAINE - ORONO 4797
SOILS, WATER, PEOPLE, AND PIXELS: A STUDY OF NANG
09/11/1997 - 07/14/2001 FY02: -$340 Total: $569,653
Prin. Invest.: R RINDFUSS
Tech. Officer: HQ/A JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6041 UNIV OF MAINE - ORONO 4798
TIME-SERIES FOREST CHANGE, LAND-COVER/LAND-USE CON ECONOMIC DRIVING FORCES IN THE NORTHERN PETEN DIS
07/23/1997 - 07/31/2001 FY02: $0 Total: $232,000
Prin. Invest.: S SADER
Tech. Officer: GSFC/A JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6558 UNIV OF MAINE - ORONO 4799
BIOLOGICAL-PHYSICAL COUPLING IN THE GULF OF MAINE: SATELLITE AND MODEL SSTUDIES IN PHYTOPLANKTON VA
10/27/1997 - 10/31/2001 FY02: $0 Total: $351,586
Prin. Invest.: A C THOMAS
Tech. Officer: GSFC/J A MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6604 UNIV OF MAINE - ORONO 4800
PHYTOPLANKTON VARIABILITY IN EASTERN BOUNDARY CURR ENTS: CONNECTIONS TO PHYSICAL FORCING
12/11/1997 - 11/30/2002 FY02: $0 Total: $498,939
Prin. Invest.: A THOMAS
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8712 UNIV OF MAINE - ORONO 4801
MONITORING THE MESOAMERICAN BIOLOGICAL CORRIDOR
07/26/1999 - 05/31/2003 FY02: $0 Total: $270,168
Prin. Invest.: S A SADER
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9913 UNIV OF MAINE - ORONO 4802
RASCAL-A REMOTE AUTONOMOUS SYSTEM FOR THE CONTROL OF ALTIMETRY
09/14/2000 - 09/14/2002 FY02: $0 Total: $12,619
Prin. Invest.: G S HAMILTON
Tech. Officer: GSFC/J ZWALLY
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9959 UNIV OF MAINE - ORONO 4803
CIS NET: IN SITU AND REMOTE MONITORING OF PRODUCTI VITY AND NUTRIENT CYCLES IN PUGET SOUND
09/12/2000 - 12/31/2002 FY02: $0 Total: $147,267
Prin. Invest.: M PERRY
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10035 UNIV OF MAINE - ORONO 4804
SURFACE GPS MEASUREMENTS FOR ICE SHEET MASS BALANCE & FIDUCIAL CONTROLOF ALTIMETRY
10/24/2000 - 12/31/2001 FY02: $0 Total: $40,742
Prin. Invest.: G HAMILTON
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10620 UNIV OF MAINE - ORONO 4805
MULTI-SENSOR & MODELING ANALYSES OF GULF OF MAINE PHYTOPLANKTON VARIABILITY
03/19/2001 - 03/31/2004 FY02: $0 Total: $120,823
Prin. Invest.: A THOMAS
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11132 UNIV OF MAINE - ORONO 4806
ASTTEX VALIDATION MOORING
07/26/2001 - 07/31/2002 FY02: $0 Total: $20,000
Prin. Invest.: D A BYRNE
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12385 UNIV OF MAINE - ORONO 4807
PRIMARY PRODUCTION IN THE MIXED LAYER
07/17/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: E BOSS
Tech. Officer: GSFC/M BEHRENFELD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12393 UNIV OF MAINE - ORONO 4808
SCATTERING CHARACTERISTICS OF PHYTOPLANKTON TAXONO MIC GROUPS AND THEIR EFFECT ON REFLECTANCE
07/19/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: L KARP-BOSS
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12473 UNIV OF MAINE - ORONO 4809
A ONE YEAR PILOT STUDY FOR THE INCLUSION OF ACTIVE OPTICAL SENSORS INTO PALACE FLOATS
08/20/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: E BOSS
Tech. Officer: GSFC/C TREES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 98008 UNIV OF MAINE - ORONO 4810
FOREST MONITORING AND MULTISENSOR RESEARCH IN MAINE'S INDUSTRIAL FOREST
04/30/1998 - 04/29/2002 FY02: $0 Total: $650,000
Prin. Invest.: S SADER
Tech. Officer: JSC/B GRAHAM
CASE Category: 55 – AGRICULTURE

NGT 5 30353 UNIV OF MAINE - ORONO 4811
THE ROLE OF CLAY MINERALOGY ON SOIL C ACCUMULATION & LOSS ALONG A TROPICAL FOREST ELEVATION (CLIMATE
08/24/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: L M MAYER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30426 UNIV OF MAINE - ORONO 4812
DISTRIBUTION OF SNOW ACCUMULATION AND MASS BALANCE ACROSS THE WEST ANTARCTIC ICESHEET/STUDENT
09/19/2001 - 09/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: G HAMILTON
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT13 52751 UNIV OF MAINE - ORONO 4813
NEURAL NETWORK MODELING OF CHLOROPHYLL-A CONCENTRATION FROM REMOTE SENSING DATA
06/08/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: W SLADE
Tech. Officer: SSC/R MILLER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9128 UNIV OF SOUTHERN MAINE 4814
ACCESS EARTH: PROMOTING ACCESSIBILITY TO THE EARTH SYSTEM SCIENCES FOR PERSONS WITH DISABILITIES
03/01/2000 - 02/28/2003 FY02: $0 Total: $145,277
Prin. Invest.: S M LOCKE
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

MARYLAND

NAG 2 1572 BOWIE STATE UNIV 4815
BIOMOLECULAR RECOGNITION OF FULLERNESS AND CARBON NANO-TUBES
07/24/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: B BRADEN
Tech. Officer: ARC/A CARDENAS
CASE Category: 43 – CHEMICAL ENGR

NAG 5 2829 BOWIE STATE UNIV 4816
MODEL-BASED VQ FOR MULTISPECTRAL EARTH IMAGE DATA COMPRES-SION
12/14/1994 - 06/30/2001 FY02: $0 Total: $164,231
Prin. Invest.: M MAREBOYANA
Tech. Officer: GSFC/J TILTON
CASE Category: 11 – ASTRONOMY

NAG 5 6476 BOWIE STATE UNIV 4817
ASSESSING THE IMPACT OF EXPANDING URBAN LAND USE O N AGRICUL-TURAL PRODUCTIVITY USINGREMOTE S
12/08/1997 - 09/14/2002 FY02: $0 Total: $471,184
Prin. Invest.: W LAWRENCE
Tech. Officer: GSFC/M L IMHOFF
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7669 BOWIE STATE UNIV 4818
SUPPORT FOR DATA ANALYSIS, PRESENTATION, FIELD & M EETING TRAVEL NASA/DODLEGACY CENTRAL AMERICA DEPL
09/28/1998 - 09/30/2001 FY02: $0 Total: $163,957
Prin. Invest.: W LAWRENCE
Tech. Officer: GSFC/M L IMHOFF
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8370 BOWIE STATE UNIV 4819
A FAST TRACK PLAN TOWARD TEACHER CERTIFICATION FOR THE PUBLIC SCHOOL SYSTEM OF PRINCE GEORGE'S C
03/12/1999 - 08/31/2002 FY02: $0 Total: $600,000
Prin. Invest.: D W CRIM
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8787 BOWIE STATE UNIV 4820
TRAINING UNDERGRADUATES IN SPACE SCIENCE AND SATEL LITE OPERA-TION AND TECHNOLOGY
08/31/1999 - 11/30/2001 FY02: $0 Total: $200,000
Prin. Invest.: N WAKIM
Tech. Officer: GSFC/P CROUSE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9458 BOWIE STATE UNIV 4821
A 2000 SUMMER INST IN ENGINEERING & COMPUTER
04/14/2000 - 10/31/2001 FY02: $0 Total: $207,900
Prin. Invest.: D LANGDON
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9544 BOWIE STATE UNIV 4822
GODDARD STUDENT INTERNSHIP PROGRAM (GSIP)
05/03/2000 - 05/14/2001 FY02: $0 Total: $49,868
Prin. Invest.: N T WAKIM
Tech. Officer: GSFC/M S BURRELL
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 9843 BOWIE STATE UNIV 4823
PROJECT ACCESS (ACADEMY FOR THE COLLABORATIVE ENHANCEMENT OF STUDENT SKILLS)
08/07/2000 - 03/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: V B GUILFORD
Tech. Officer: GSFC/C HOLLINGSWORTH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10034 BOWIE STATE UNIV 4824
CONTINUED SUPPORT OF EOS-IDS URBAN IMPACTS ON GLOB AL PRO-DUCTIVITY
10/10/2000 - 12/14/2002 FY02: $0 Total: $59,901
Prin. Invest.: W LAWRENCE
Tech. Officer: GSFC/M L IMHOFF
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10697 BOWIE STATE UNIV 4825
TO MANAGE A 2001 SUMMER INST IN ENGINEERING & COMPUTER APPLICATIONS PROGRAM
04/24/2001 - 07/31/2002 FY02: $0 Total: $207,800
Prin. Invest.: D LANGDON
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11361 BOWIE STATE UNIV 4826
BOWIE SEEKS TO INTEGRATE THE WIRE MISSION INTO ITS BSOCC PROGRAM TO PROVIDE OPPORTUNITIES TO ST
09/27/2001 - 09/30/2003 FY02: $0 Total: $64,000
Prin. Invest.: N T WAKIM
Tech. Officer: GSFC/P L CROUSE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11450 BOWIE STATE UNIV 4827
"LOCATING HUMAN RISKS TO BIODIVERSITY, A CARBON BA LANCE APPROACH"
12/17/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: W LAWRENCE
Tech. Officer: GSFC/M L IMHOFF
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12165 BOWIE STATE UNIV 4828
A 2002 SUMMER INST IN ENGINEERING AND COMPUTE R APPLICATIONS (SIECA)PROGRAM
05/16/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: D LANGDON
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12237 BOWIE STATE UNIV 4829
PROGRAM DEVELOPMENT IN MICROELECTROMECHANICAL SYSTEMS (MEMS)
05/31/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: J E TAYLOR
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12553 BOWIE STATE UNIV 4830
UTILIZING COLL STUDENT SCIENCE MENTORS TO DEVEL OP RESEARCH SKILLS OF SECONDARY PUBLIC SCHOOL STU
09/12/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: P A SINSKY
Tech. Officer: GSFC/J L HARRINGTON
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 5 446 BOWIE STATE UNIV 4831
ANALYSIS & MODIFICATION OF NASA WEB BASED SOFTWARE
07/10/2000 - 07/14/2001 FY02: $0 Total: $70,082
Prin. Invest.: D CARVALO
Tech. Officer: GSFC/H PARK
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 507 BOWIE STATE UNIV 4832
FOLIAR OPTICAL PROPERTY MEASUREMENTS OF BOREAL SPE CIES (A CONTINUATION OF THE BOREAL RESEARCH PROGR
08/07/2000 - 08/14/2003 FY02: $0 Total: $23,625
Prin. Invest.: W T LAWRENCE
Tech. Officer: GSFC/E MIDDLETON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 516 BOWIE STATE UNIV 4833
MODEL INSTS FOR EXCELLENCE
10/05/2000 - 09/30/2003 FY02: $1,671,000 Total: $3,200,000
Prin. Invest.: E J DAVIS
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12066 CAPITOL COLL 4834
A PRE-COLL MINORITY ENGINEERING PROGRAM
04/30/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: H JARRELL
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12463 CAPITOL COLL 4835
CAPITOL COLL SPACE OPERATIONS INST
08/19/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: P D SMIT
Tech. Officer: GSFC/E CHANG
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 5 400 CHARLES COUNTY COMM COLL 4836
LABORATORY INVESTIGATION OF THE FORMATION, PROPERT IES AND METAMORPHISM OF PRE-SOLAR MATERAILS
05/14/1999 - 05/31/2002 FY02: $0 Total: $67,586
Prin. Invest.: G KRAUSE
Tech. Officer: GSFC/J A NUTH
CASE Category: 12 – CHEMISTRY

NAG 5 11846 COPPIN STATE COLL 4837
EDUCATION AND RESEARCH MERIT OFM PROPOSED COPPIN/ GSFC ACTIVITIES
03/27/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: D C WILSON
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2043 JOHNS HOPKINS UNIV 4838
INFERRING ASPECTS OF TRANSPORT AND MIXING IN THE STRATO-SPHEREAND TROPOSPHERE FROM CHEMICAL TRACER
04/01/1998 - 09/30/2001 FY02: $0 Total: $208,022
Prin. Invest.: D W WAUGH
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2194 JOHNS HOPKINS UNIV 4839
DYNAMICAL COUPLING OF THE TROPOSPHERE WITH THE POLAR STRATO-SPHERE
05/14/1999 - 04/30/2002 FY02: $0 Total: $124,376
Prin. Invest.: D W WAUGH
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2257 JOHNS HOPKINS UNIV 4840
METHODS FOR REFLECTED GLOBAL POSITIONING SYSTEM (GPS) DATA COLLECTION AND ANALYSIS
01/11/2000 - 09/30/2001 FY02: $0 Total: $339,000
Prin. Invest.: M S ASHER, R K RANEY, T ELFOUHAILY
Tech. Officer: LARC/S J KATZBERG, GSFC/J L GARRISON
CASE Category: 33 – OCEANOGRAPHY

NAG 1 2270 JOHNS HOPKINS UNIV 4841
PHOTOLYSIS RATE COEFFICIENT CALCULATIONS IN SUPPORT OF SOLVE CAMPAIGN
02/17/2000 - 09/30/2001 FY02: $0 Total: $188,000
Prin. Invest.: S A LLOYD
Tech. Officer: LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2304 JOHNS HOPKINS UNIV 4842
NONDESTRUCTIVE EVALUATION OF SPACECRAFT & AIRCRAFT WIRING
06/06/2000 - 06/30/2003 FY02: $0 Total: $150,000
Prin. Invest.: J M GREEN
Tech. Officer: LARC/W P WINFREE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 1 2329 JOHNS HOPKINS UNIV 4843
COMPREHENSIVE ASSESSMENT OF HEALTH AND THE AIR- CRAFT CABIN ENVIRONMENT: PHASE I
09/26/2000 - 09/30/2002 FY02: $0 Total: $458,005
Prin. Invest.: P S LEES
Tech. Officer: LARC/R R ARTCLIFF
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01059 JOHNS HOPKINS UNIV 4844
INTEGRATED POWER SOURCE DEVELOPMENT
04/12/2001 - 10/30/2001 FY02: $0 Total: $25,000
Prin. Invest.: P D SCHWARTZ, A L LEW
Tech. Officer: LARC/Q A SHAMS
CASE Category: 45 – ELECTRICAL ENGR

NAG 2 1392 JOHNS HOPKINS UNIV 4845
NSTARS PROJECT SUPPORT AND RESEARCH ON NEARBY STAR S
02/01/2000 - 12/31/2001 FY02: $0 Total: $116,988
Prin. Invest.: T HENRY
Tech. Officer: ARC/L CAROFF
CASE Category: 11 – ASTRONOMY

NAG 2 1476 JOHNS HOPKINS UNIV 4846
KNOWLEDGE RETENTION TOOLS FOR LONG DURATION MISSIO NS
04/20/2001 - 09/30/2002 FY02: $0 Total: $180,000
Prin. Invest.: K J HEERES
Tech. Officer: ARC/H STEWART, ARC/M SHIRLEY
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1477 JOHNS HOPKINS UNIV 4847
MINIME DIAGNOSTICS ENGINE DEVELOPMENT SUPPORT
04/20/2001 - 10/14/2002 FY02: $0 Total: $150,000
Prin. Invest.: K J HEERES
Tech. Officer: ARC/M SHIRLEY, ARC/H STEWART
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1559 JOHNS HOPKINS UNIV 4848
COMPILATION OF MODEL BASED PROGRAMS FOR REACTIVE A UTONO-MOUS CONTROL
05/09/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: D P WATSON
Tech. Officer: ARC/M SHIRLEY, ARC/R MORRIS
CASE Category: 12 – CHEMISTRY

NAG 3 1815 JOHNS HOPKINS UNIV 4849
EXPERIMENTAL INVESTIGATION; POOL BOILING HEAT TRAN SFER EN-HANCEMENT IN THE PRESENCE OF ELECTRIC FIEL
03/25/1996 - 05/14/2002 FY02: $0 Total: $352,889
Prin. Invest.: D HERMAN
Tech. Officer: GRC/H K NAHRA, GRC/B MOTIL
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2118 JOHNS HOPKINS UNIV 4850
PRODUCTION AND REMOVAL OF GAS BUBBLES IN MICROGRAV ITY
02/26/1998 - 08/16/2002 FY02: $0 Total: $296,198
Prin. Invest.: H N OGUZ
Tech. Officer: GRC/H K NAHRA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2333 JOHNS HOPKINS UNIV 4851
ANALYTICAL AND EXPERIMENTAL INVESTIGATIONS OF A HY DROCARBON FUELED AIR-AUGMENTED ROCKET ENGINE CYCL
02/16/2000 - 07/31/2002 FY02: $0 Total: $301,612
Prin. Invest.: T RICE
Tech. Officer: GRC/T D SMITH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2362 JOHNS HOPKINS UNIV 4852
ACOUSTIC BUBBLE REMOVAL FROM BOILING SURFACES AND ITS OPTIMI-ZATION
04/03/2000 - 11/30/2003 FY02: $0 Total: $126,252
Prin. Invest.: A PROSPERETTI
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2460 JOHNS HOPKINS UNIV 4853
DESIGN OF EXHAUST NOZZLES FOR THE RBCC-GTX CONCEPT DESIGN OF EXHAUST NOZZLES FOR THE RBCC-GTX CONCEP
06/09/2000 - 09/30/2002 FY02: $0 Total: $93,033
Prin. Invest.: T RICE
Tech. Officer: GRC/T D SMITH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2569 JOHNS HOPKINS UNIV 4854
PULSED DETONATION WAVE ENGINE COMPONENT DESIGN AND ANALYSIS STUDY
03/23/2001 - 12/31/2002 FY02: $0 Total: $180,000
Prin. Invest.: P WALTRUP
Tech. Officer: GRC/H D PERKINS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2622 JOHNS HOPKINS UNIV 4855
LOW TEMPERATURE DIFFERENTIAL STIRLING ENGINE
09/26/2001 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: D MEHOKE
Tech. Officer: GRC/J G SCHREIBER
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2690 JOHNS HOPKINS UNIV 4856
MICROSAMPLE CHARACTERIZATION OF COATING FOR GRCOP 84 FOR HIGH TEMPERATURE HIGH HEAT FLUX APPLICATION
01/11/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: D J HEMKER
Tech. Officer: GRC/S V RAJ
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2726 JOHNS HOPKINS UNIV 4857
ENHANCEMENT OF POOL BOILING HEAT TRANSFER AND CONT ROL OF BUBBLE MOTION IN MICROGRAVITY USING ELECTR
03/13/2002 - 12/30/2005 FY02: $0 Total: $0
Prin. Invest.: D HERMAN
Tech. Officer: GRC/M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2727 JOHNS HOPKINS UNIV 4858
NOVEL NEMS STIRLING COOLER #AD-22598 NOVEL NEMS STIRLING COOLER #AD-22598
03/07/2002 - 02/24/2004 FY02: $0 Total: $0
Prin. Invest.: A G DARRIN
Tech. Officer: GRC/M MORAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3255 **JOHNS HOPKINS UNIV** **4859**
THE STRUCTURE OF ACTIVE GALACTIC NUCLEI
06/06/1996 - 12/31/2001 FY02: $0 Total: $317,700
Prin. Invest.: G A KRISS
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3485 **JOHNS HOPKINS UNIV** **4860**
DIFFUSE IONIZED GAS IN GALACTIC ENVIRONMENTS
10/31/1996 - 10/31/2001 FY02: $0 Total: $561,400
Prin. Invest.: K R SEMBACH
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3503 **JOHNS HOPKINS UNIV** **4861**
THE EVOLUTION AND CLUSTERING OF GALAXIES AT Z=1 AN
11/27/1996 - 11/30/2002 FY02: $0 Total: $648,611
Prin. Invest.: A S SZALAY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 4168 **JOHNS HOPKINS UNIV** **4862**
PLANETARY AERONOMY
03/15/1997 - 08/31/2002 FY02: $0 Total: $426,943
Prin. Invest.: D F STROBEL
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4261 **JOHNS HOPKINS UNIV** **4863**
WINDOWLESS FUV LAMPS
04/14/1997 - 12/31/2001 FY02: $0 Total: $202,316
Prin. Invest.: D R MCCANDLISS
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 4365 **JOHNS HOPKINS UNIV** **4864**
CONTINUATION OF THE VOYAGER INTERSTELLAR MISSION:
04/23/1997 - 03/31/2002 FY02: $0 Total: $1,900,000
Prin. Invest.: D M KRIMIGIS
Tech. Officer: GSFC/C P HOLMES
CASE Category: 13 – PHYSICS

NAG 5 4664 **JOHNS HOPKINS UNIV** **4865**
ION CYCLOTRON WAVES: AN ISTP STUDY
06/25/1997 - 05/31/2001 FY02: $0 Total: $131,931
Prin. Invest.: D J ANDERSON
Tech. Officer: GSFC/J G GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 5047 **JOHNS HOPKINS UNIV** **4866**
WIND-WAVE-CURRENT COUPLED MODEL
08/22/1995 - 02/14/2003 FY02: $0 Total: $346,239
Prin. Invest.: O PHILLIPS
Tech. Officer: GSFC/S R LONG, GSFC/N E HUANG
CASE Category: 33 – OCEANOGRAPHY

NAG 5 5122 **JOHNS HOPKINS UNIV** **4867**
ROCKET AND LABORATORY EXPERIMENTS IN ASTRONOMY
02/21/1997 - 02/28/2002 FY02: $0 Total: $2,031,000
Prin. Invest.: P D FELDMAN
Tech. Officer: GSFC/B J FLOWERS
CASE Category: 13 – PHYSICS

NAG 5 5198 **JOHNS HOPKINS UNIV** **4868**
DENSITY TEMPERATURE & MEASUREMENTS FOR ICON ROCKET EXPERIMENT
05/21/1998 - 04/11/2001 FY02: $0 Total: $68,805
Prin. Invest.: J H YEE
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5301 **JOHNS HOPKINS UNIV** **4869**
GRANT ENTITLED: ALTIMETER SEA-STATE BIAS MODEL STUDY
07/18/2000 - 07/17/2003 FY02: $0 Total: $74,699
Prin. Invest.: D R THOMPSON
Tech. Officer: WFF/D C VANDEMARK, WFF/D W HANCOCK
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 5314 **JOHNS HOPKINS UNIV** **4870**
SUPPORT OF THE INTERNATIONAL WORKSHOP ENTITLED: COUPLING COASTAL OCEAN, COASTAL ATMOSPHERE WIND
03/22/2001 - 12/31/2002 FY02: $0 Total: $35,000
Prin. Invest.: E GROSS
Tech. Officer: GSFC/S R LONG, GSFC/N E HUANG
CASE Category: 33 – OCEANOGRAPHY

NAG 5 5315 **JOHNS HOPKINS UNIV** **4871**
ROCKET AND LABORATORY STUDIES IN ASTRONOMY ROCKET AND LABORATORY STUDIES IN ASTRONOMY
02/14/2001 - 02/28/2004 FY02: $0 Total: $420,000
Prin. Invest.: P D FELDMAN
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6113 **JOHNS HOPKINS UNIV** **4872**
PROJECT ULYSSES HI-SCALE DATA ANALYSIS PHASE ACTIV
07/28/1997 - 03/31/2002 FY02: $0 Total: $1,616,000
Prin. Invest.: R E GOLD
Tech. Officer: GSFC/V JONESS
CASE Category: 13 – PHYSICS

NAG 5 6178 **JOHNS HOPKINS UNIV** **4873**
CRITICAL COMPARISON OF SUBSTORM TRIGGER MODELS AGA HE NEAR-EARTH TAIL
07/28/1997 - 05/14/2002 FY02: $0 Total: $296,538
Prin. Invest.: D OHTANI
Tech. Officer: GSFC/D EVANS
CASE Category: 13 – PHYSICS

NAG 5 6400 **JOHNS HOPKINS UNIV** **4874**
SPACE OBSERVATIONS OF STARBURST GALAXIES (LTSA)
10/10/1997 - 09/30/2002 FY02: $0 Total: $677,200
Prin. Invest.: T HECKMAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 6764 **JOHNS HOPKINS UNIV** **4875**
MONITORING OF NGC 4151
12/30/1997 - 12/31/2000 FY02: $0 Total: $44,999
Prin. Invest.: G KRISS
Tech. Officer: GSFC/R POLIDAN
CASE Category: 11 – ASTRONOMY

NAG 5 7080 **JOHNS HOPKINS UNIV** **4876**
PYROTECHNIC ROCK CHIPPER
03/10/1998 - 07/31/2002 FY02: $0 Total: $247,576
Prin. Invest.: A F CHENG
Tech. Officer: GSFC/B CAMPBELL
CASE Category: 11 – ASTRONOMY

NAG 5 7186 **JOHNS HOPKINS UNIV** **4877**
INFRARED INVESTIGATION OF COMETARY VOLATILES
03/25/1998 - 02/28/2002 FY02: $0 Total: $200,056
Prin. Invest.: H WEAVER
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7227 **JOHNS HOPKINS UNIV** **4878**
TOMS VALIDATION AND UTLS PHOTOCHEMISTRY USING ER-2 AND GROUND BASED DATASETS
04/14/1998 - 09/30/2001 FY02: $0 Total: $232,117
Prin. Invest.: S A LLOYD
Tech. Officer: GSFC/E HILSENRATH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7361 **JOHNS HOPKINS UNIV** **4879**
MIDDLEWORLD TRANSPORT WITHIN THREE-DIMENSIONAL MOD ELS: CHARACTERIZATIONAND SENSITIVITIES TO MODEL
05/06/1998 - 09/30/2001 FY02: $0 Total: $140,918
Prin. Invest.: D W WAUGH
Tech. Officer: GSFC/R W STEWART
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7552 **JOHNS HOPKINS UNIV** **4880**
TROPOSPHERIC AND STRATOSPHERIC COMPOSITION RETRIEV ALS USING THE STELLAR OCCULATION TECHNIQU
06/22/1998 - 08/31/2002 FY02: $0 Total: $482,813
Prin. Invest.: J YEE
Tech. Officer: GSFC/J A KAYE
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 7697 **JOHNS HOPKINS UNIV** **4881**
PROPOSAL TITLED "A PROPOSAL TO INVESTGATE OUTSTAND ING PROB-LEMS IN ASTRONOMY BY THE INSTRUMENT DEFIN
09/17/1998 - 11/30/2002 FY02: $0 Total: $6,543,435
Prin. Invest.: H FORD
Tech. Officer: GSFC/J JELETIC
CASE Category: 11 – ASTRONOMY

NAG 5 7724 **JOHNS HOPKINS UNIV** **4882**
QUANTITATIVE MAGNETOSHERIC DYNAMICS FROM POLAR UV AND VIS-IBLE IMAGERS
09/24/1998 - 03/31/2002 FY02: $0 Total: $821,200
Prin. Invest.: C I MENG
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 7769 **JOHNS HOPKINS UNIV** **4883**
GRAVITY WAVES IN JUPITER'S UPPER ATMOSPHERE
01/15/1999 - 08/31/2001 FY02: $0 Total: $125,000
Prin. Invest.: D STROBEL
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 7797 **JOHNS HOPKINS UNIV** **4884**
TURBULENCE IN MAGNETOTAIL PLASMA SHEET
12/15/1998 - 12/31/2002 FY02: $0 Total: $272,087
Prin. Invest.: D Y LUI
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 7863 **JOHNS HOPKINS UNIV** **4885**
SATELLITE BOMBARDMENT MODEL WITH DATA CONSTRAINTS
01/11/1999 - 12/31/2001 FY02: $0 Total: $174,228
Prin. Invest.: C P PARANICAS
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 7920 **JOHNS HOPKINS UNIV** **4886**
ISTP: SOLAR WIND, FORESHOCK, AND MAGNETOSHEATH PR OCESSES
12/15/1998 - 02/28/2002 FY02: $0 Total: $311,000
Prin. Invest.: D G SIBECK
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 7921 **JOHNS HOPKINS UNIV** **4887**
SOLAR FILAMENTS AT 1 AU
12/10/1998 - 09/30/2002 FY02: $0 Total: $278,713
Prin. Invest.: D M RUST
Tech. Officer: GSFC/D C LING
CASE Category: 11 – ASTRONOMY

NAG 5 8019 **JOHNS HOPKINS UNIV** **4888**
CORONAL MASS EJECTION EVENTS: COMPARATIVE GEOEFFEC TIVENESS FROM SOLAR MINIMUM THROUGH SOLAR MAXIMU
01/06/1999 - 12/31/2002 FY02: $0 Total: $238,636
Prin. Invest.: N J FOX
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 8062 **JOHNS HOPKINS UNIV** **4889**
ANALYSIS OF 3-D IMAGERY OF POLAR MESOSPHERIC CLOUD S OB-SERVED FROM MSX
01/12/1999 - 01/14/2002 FY02: $0 Total: $185,500
Prin. Invest.: D MORRISON
Tech. Officer: GSFC/M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 8122 **JOHNS HOPKINS UNIV** **4890**
ANALYSIS OF OPTICAL OBSERVATIONS OF TOPSIDE MOLECU LAR IONS IN THE POLAR REGIONS
02/03/1999 - 12/31/2001 FY02: $0 Total: $181,600
Prin. Invest.: J J YEE
Tech. Officer: GSFC/M M MELLOT
CASE Category: 13 – PHYSICS

NAG 5 8149 **JOHNS HOPKINS UNIV** **4891**
DEV. OF MISSION INDEPENDENCE DATA FORMAT FOR PARTI CLE FIELD MEASUREMENT WITH APPLICATIONTO AMPTE/C
02/05/1999 - 12/31/2002 FY02: $0 Total: $356,989
Prin. Invest.: S R NYLUND
Tech. Officer: GSFC/P HUNTER
CASE Category: 11 – ASTRONOMY

NAG 5 8171 JOHNS HOPKINS UNIV 4892
SPATIAL VARIATIONS IN ROCK SPECTRAL PROPERTIES AT THE SAGAN MEMORIAL STATION
02/22/1999 - 09/30/2002 FY02: $0 Total: $116,000
Prin. Invest.: S L MURCHIE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8191 JOHNS HOPKINS UNIV 4893
ENERGETIC ION INTERACTIONS WITH THE GALILEAN SATEL LITES
04/21/1999 - 03/31/2001 FY02: $0 Total: $31,391
Prin. Invest.: D MAUK
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8279 JOHNS HOPKINS UNIV 4894
RECONCILING STARBURSTS AND NORMAL STAR FORMATION (ADP98)
02/25/1999 - 05/14/2003 FY02: $0 Total: $48,051
Prin. Invest.: G R MEURER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8331 JOHNS HOPKINS UNIV 4895
FLARE GENESIS EXPERIMENT
05/05/1999 - 03/31/2002 FY02: $0 Total: $520,789
Prin. Invest.: D M RUST
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 8347 JOHNS HOPKINS UNIV 4896
OPTIMAL COADDITION OF DITHERED IMAGES USING THE KA RHUNEN-LOEVE TRANSFORM
02/25/1999 - 02/28/2003 FY02: $0 Total: $174,900
Prin. Invest.: A S SZALAY
Tech. Officer: GSFC/J BREDEDAMP
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 8361 JOHNS HOPKINS UNIV 4897
ISTP MISSION DATA INTERFACES FOR DARN
03/12/1999 - 04/14/2001 FY02: $0 Total: $340,000
Prin. Invest.: R GREEWALD
Tech. Officer: GSFC/S CURTIS
CASE Category: 11 – ASTRONOMY

NAG 5 8516 JOHNS HOPKINS UNIV 4898
MINIATURIZED ENERGETIC PARTICLE DETECTOR DEVELOP MENT
06/14/1999 - 05/31/2003 FY02: $0 Total: $456,327
Prin. Invest.: R L MCNUTT
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 8548 JOHNS HOPKINS UNIV 4899
IMPLEMENTATION OF ALGORITHMS FOR HIGH SPEED AUTONO MOUS CCD DATA REDUCTION
05/18/1999 - 05/14/2001 FY02: $0 Total: $21,250
Prin. Invest.: G MURPHY
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 5 8572 JOHNS HOPKINS UNIV 4900
CLOUD & WATER VAPOR EFFECTS ON CLIMATE SENSITIVITY
06/02/1999 - 05/31/2002 FY02: $0 Total: $500,000
Prin. Invest.: A ARKING
Tech. Officer: GSFC/W LAU
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8590 JOHNS HOPKINS UNIV 4901
STANDARDIZED SKY PARTITIONING FOR THE NEXT GENERAT ION ASTRONOMY AND SPACE ARCHIVES
06/03/1999 - 05/31/2003 FY02: $0 Total: $190,828
Prin. Invest.: A SZALAY
Tech. Officer: GSFC/P E HUNTER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8655 JOHNS HOPKINS UNIV 4902
"CROSSLINK TRANSCEIVER DEVELOPMENT IN SUPPORT OF THE NASA/DOD UNIV NANO-SATELLITE PROGRAM."
08/19/1999 - 05/31/2001 FY02: $0 Total: $370,119
Prin. Invest.: P A STADTER
Tech. Officer: GSFC/J BRISTOW
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8665 JOHNS HOPKINS UNIV 4903
CROSSLINK NAVIGATION AND COMMUNICATION SYSTEM FOR MULTIPLE DISTRIBUTED SPACECRAFT.
08/17/1999 - 08/31/2002 FY02: $0 Total: $474,781
Prin. Invest.: P A STADTER
Tech. Officer: GSFC/G H MUCKLOW
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 8687 JOHNS HOPKINS UNIV 4904
ADVANCED TECHNIQUES FOR ENERGETIC ION AND NEUTRAL ATOM TOF/IMAGING SENSORS
07/20/1999 - 07/31/2002 FY02: $0 Total: $139,443
Prin. Invest.: D G MITCHELL
Tech. Officer: GSFC/G H MUCKLOW
CASE Category: 11 – ASTRONOMY

NAG 5 8688 JOHNS HOPKINS UNIV 4905
DATA COMPRESSION FOR TIME SERIES AND SPECTRAL DATA
07/20/1999 - 07/31/2002 FY02: $0 Total: $204,374
Prin. Invest.: S HAWKINS, 111
Tech. Officer: GSFC/G H MUCKLOW
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 8741 JOHNS HOPKINS UNIV 4906
ADVANCED AUTOMATION CONCEPTS IN SPACEFLIGHT DYNAMICS & SPACE NAVIGATION.
08/17/1999 - 02/28/2001 FY02: $0 Total: $147,275
Prin. Invest.: P STADTER
Tech. Officer: GSFC/J BRISTOW
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8862 JOHNS HOPKINS UNIV 4907
HIGH RESOLUTION IMAGING FROM THE STRATOSPHERE: AT MOSPHERIC SEEING AND TETHER DYNAMICS
10/22/1999 - 10/14/2002 FY02: $0 Total: $10,000
Prin. Invest.: H FORD
Tech. Officer: GSFC/T GRUNER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8955 JOHNS HOPKINS UNIV 4908
ABUNDANCES IN OXYGEN-RICH SUPERNOVA REMNANTS: OBS ERVATIONAL TESTS OF U NUCLEOSYNTHESIS MODELS - FU
01/24/2000 - 01/31/2002 FY02: $0 Total: $38,500
Prin. Invest.: J A MORSE
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 8964 JOHNS HOPKINS UNIV 4909
INVESTIGATION OF MAGNETOSPHERIC WAVEGUIDE MODE USING SATELLITE & RADAR OBSERVATIONS
02/23/2000 - 02/28/2003 FY02: $0 Total: $132,997
Prin. Invest.: K TAKAHASHI
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9012 JOHNS HOPKINS UNIV 4910
THE FAR UV-SPECTRA OF STARBURSTS - FUSE
02/08/2000 - 01/31/2002 FY02: $0 Total: $120,700
Prin. Invest.: T M HECKMAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9078 JOHNS HOPKINS UNIV 4911
INVESTIGATION OF THE MAGNETIC FIELD LINE STRETCHIN G AT SUBSTORM ONSET
02/23/2000 - 02/28/2003 FY02: $0 Total: $148,291
Prin. Invest.: K LIOU
Tech. Officer: GSFC/J SHARBER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9109 JOHNS HOPKINS UNIV 4912
SIMULATING TRANSIENT PROCESSES AT THE MAGNETOPAUSE
02/23/2000 - 02/28/2003 FY02: $0 Total: $148,388
Prin. Invest.: H KU
Tech. Officer: GSFC/J SHARBER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9118 JOHNS HOPKINS UNIV 4913
ELECTROMAGNETIC ION CYCLOTRON WAVES ON AURORAL FIELD LINES
02/24/2000 - 04/30/2002 FY02: $0 Total: $33,000
Prin. Invest.: R E ERLANDSON
Tech. Officer: GSFC/M MELLOTT
CASE Category: 11 – ASTRONOMY

NAG 5 9186 JOHNS HOPKINS UNIV 4914
THE CLUSTERING OF GALAXIES & DARK MATTER AT INTER MEDIATE REDSHIFTS (ATP 99)
03/07/2000 - 03/14/2001 FY02: $0 Total: $37,000
Prin. Invest.: A S SZALAY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9187 JOHNS HOPKINS UNIV 4915
PREDICTING THE SPECTRA OF GALACTIC BLACK HOLES (ATP 99)
03/07/2000 - 03/14/2003 FY02: $0 Total: $186,533
Prin. Invest.: J H KROLIK
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9219 JOHNS HOPKINS UNIV 4916
HOT MASSIVE STARS IN LOCAL GROUP GALAXIES: A MULTI WAVELENGTH SPECTRAL ANALYSIS.
03/13/2000 - 03/14/2004 FY02: $0 Total: $203,724
Prin. Invest.: L BIANCHI
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9240 JOHNS HOPKINS UNIV 4917
ANALYSIS OF POLAR MESOSPHERIC CLOUDS USING SPECTRO GRAPHIC IMAGES ON A SATELLITE
03/13/2000 - 02/28/2003 FY02: $0 Total: $146,387
Prin. Invest.: J CARBARY
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9296 JOHNS HOPKINS UNIV 4918
INNOVATIVE APPROACHES TO LITTORAL ALTIMETRY FOR PREDICTION & MONITORING OF NEAR-SHORE SEA
04/13/2000 - 09/14/2001 FY02: $0 Total: $75,000
Prin. Invest.: R K RANEY
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9426 JOHNS HOPKINS UNIV 4919
SENSITIVITY OF COUPLED LAND-ATMOSPHERE BOUNDARY LAYER DYNAMICS TO SURFACE HETEROGENEITY USING
04/11/2000 - 04/30/2003 FY02: $0 Total: $334,300
Prin. Invest.: M B PARLANGE
Tech. Officer: GSFC/K H BERGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9432 JOHNS HOPKINS UNIV 4920
SPACE PHYSICS DATA MARKUP LANGUAGE
04/18/2000 - 04/14/2003 FY02: $0 Total: $223,900
Prin. Invest.: D MORRISON
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 13 – PHYSICS

NAG 5 9456 JOHNS HOPKINS UNIV 4921
ADAPTIVE INSTRUMENT MODULE (AIM)
04/13/2000 - 01/31/2003 FY02: $0 Total: $78,692
Prin. Invest.: R F CONDE
Tech. Officer: GSFC/P LUERS
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 9569 JOHNS HOPKINS UNIV 4922
NEW ISTP SOLAR MAX: CONTINUED INTEGRATION OF INTE RBALL INTO ISTP
05/08/2000 - 05/14/2001 FY02: $0 Total: $60,989
Prin. Invest.: D G SIBECK
Tech. Officer: GSFC/M DESCH
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9719 JOHNS HOPKINS UNIV 4923
MOLECULAR AND ATOMIC LASER MASS ANALYSIS (MALMA) INSTRUMENTATION FOR IN-SITU STUDIES OF PLANETARY
06/20/2000 - 06/30/2001 FY02: $0 Total: $40,000
Prin. Invest.: R W MCENTIRE
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 9837 JOHNS HOPKINS UNIV 4924
CONTEMPORANEOUS XMM & HST OBSERVATIONS OF SEYFERT GALAXIES
11/06/2000 - 11/14/2003 FY02: $0 Total: $14,505
Prin. Invest.: M E KAISER
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9872 JOHNS HOPKINS UNIV 4925
A LOW POWER CROSSLINK TRANSCEIVER FOR NANOSAT COMMUNICA- TIONS EXPERIMENT
08/10/2000 - 09/30/2001 FY02: $0 Total: $400,000
Prin. Invest.: P STADTER
Tech. Officer: GSFC/J BRISTOW
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9878 JOHNS HOPKINS UNIV 4926
ASTROPHYSICAL PROPERTIES OF ACCRETING BLACK HOLES IN NORMAL GALAXY NUCLENUCLEI_(LTSA 99)
08/28/2000 - 08/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: E COLBERT
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9903 JOHNS HOPKINS UNIV 4927
ACTIVITIES TO SUPPORT SCIENCE PLANNING AND COORDI NATION IN ASSOCIATION WITH THE INTERNATIONAL SOLAR
08/30/2000 - 09/30/2002 FY02: $0 Total: $78,814
Prin. Invest.: N J FOX
Tech. Officer: GSFC/R A HOFFMAN
CASE Category: 11 – ASTRONOMY

NAG 5 9910 JOHNS HOPKINS UNIV 4928
THE X-RAY PROPERTIES OF ULTRALUMINOUS GALAXIES: COSMOLOGICAL IMPLICATIONS
09/05/2000 - 09/30/2002 FY02: $0 Total: $37,600
Prin. Invest.: T HECKMAN
Tech. Officer: GSFC/R M MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9948 JOHNS HOPKINS UNIV 4929
STARBURST-DRIVEN OUTFLOWS & THE EVOLUTION OF DWARF GALAXIES
09/07/2000 - 08/31/2002 FY02: $0 Total: $39,200
Prin. Invest.: T HECKMAN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9963 JOHNS HOPKINS UNIV 4930
CHARACTERIZING THE X-RAY SPECTRUM OF THE GALACTIC HALO
09/22/2000 - 09/30/2002 FY02: $0 Total: $39,900
Prin. Invest.: W BLAIR
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9968 JOHNS HOPKINS UNIV 4931
REMM, RADIATION ENVIRONMENT MINI-MONITOR. SUPPORT FOR NASA NANOSAT PROGRAM DEVELOPMENT OF ENVIRONME
10/30/2000 - 12/31/2002 FY02: $0 Total: $130,000
Prin. Invest.: A GARRISON-DARRIN
Tech. Officer: GSFC/J BARTH
CASE Category: 13 – PHYSICS

NAG 5 9988 JOHNS HOPKINS UNIV 4932
VALIDATION OF MSX/UVISI STELLAR OCCULTATION RETRIE VALS OF LOWER STRATOSPHERE/UPPER TROPOSPHERE
10/04/2000 - 09/30/2003 FY02: $0 Total: $155,000
Prin. Invest.: J YEE
Tech. Officer: GSFC/A C AIKIN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10060 JOHNS HOPKINS UNIV 4933
SUPERDARN CONTRIBUTIONS TO TIMED/CEDAR COLLABORA- TIVE STUD- IES
10/23/2000 - 10/31/2002 FY02: $0 Total: $225,000
Prin. Invest.: R A GREENWALD
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10084 JOHNS HOPKINS UNIV 4934
FLAT PLASMA SPECTROMETER
11/07/2000 - 11/14/2002 FY02: $0 Total: $167,226
Prin. Invest.: J L CHAMPION
Tech. Officer: GSFC/F HERRERO
CASE Category: 13 – PHYSICS

NAG 5 10176 JOHNS HOPKINS UNIV 4935
THE PHYSICAL PROPERTIES OF THE INTRA-CLUSTER MEDIUM AT Z 1
12/18/2000 - 12/31/2002 FY02: $0 Total: $8,300
Prin. Invest.: H FORD
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10234 JOHNS HOPKINS UNIV 4936
A SELF-HEALING SPACECRAFT ARCHITECTURE FOR LONG DURATION LOW POWER MISSION.
01/30/2001 - 01/31/2004 FY02: $0 Total: $91,924
Prin. Invest.: B ANDREWS
Tech. Officer: GSFC/P LUERS
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 10241 JOHNS HOPKINS UNIV 4937
VARIABILITY EMISSIVITY CONTROLLER CONCEPTS & RISK MITIGATION PATH
01/08/2001 - 01/14/2003 FY02: $0 Total: $108,679
Prin. Invest.: R OSIANDER
Tech. Officer: GSFC/D DOUGLAS
CASE Category: 46 – MECHANICAL ENGR

NAG 5 10242 JOHNS HOPKINS UNIV 4938
GEOTAIL ENERGETIC PARTICLE AND ION COMPOSITION (EPIC) PROGRAM
01/12/2001 - 12/31/2003 FY02: $0 Total: $430,000
Prin. Invest.: R MCENTIRE
Tech. Officer: GSFC/M ACUNA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10248 JOHNS HOPKINS UNIV 4939
INVESTIGATION OF SUPERNOVA REMNANT SHOCKS IN THE VELA-PUPPIS REGION
02/12/2001 - 02/14/2003 FY02: $0 Total: $61,900
Prin. Invest.: R SANKRIT
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10261 JOHNS HOPKINS UNIV 4940
CONTINUED PARTICIPATION IN CRYOSAT SCIENCE ADVISORY GROUP
01/09/2001 - 12/31/2003 FY02: $0 Total: $25,956
Prin. Invest.: R RANEY
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10281 JOHNS HOPKINS UNIV 4941
COMPARATIVE MAGNETOPSHERES INVESTIGATION OF PLASMA INJECTION PHENOMENA
01/23/2001 - 01/31/2004 FY02: $0 Total: $67,852
Prin. Invest.: B MAUK
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10285 JOHNS HOPKINS UNIV 4942
STRUCTURE OF THE MAGNETOPAUSE
01/23/2001 - 01/31/2004 FY02: $0 Total: $69,449
Prin. Invest.: D G SIBECK
Tech. Officer: GSFC/JSHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10302 JOHNS HOPKINS UNIV 4943
THE FAR-UV SPECTRA OF POWERFUL STARBURSTS - FUSE- 00
01/25/2001 - 01/31/2003 FY02: $0 Total: $103,210
Prin. Invest.: T M HECKMAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10304 JOHNS HOPKINS UNIV 4944
SEARCH FOR X-RAY SPECTRAL FEATURES IN BL LAC OBJECTS MKN 180 AND 1ES1517+656
01/29/2001 - 01/31/2003 FY02: $0 Total: $500
Prin. Invest.: J H KROLIK
Tech. Officer: GSFC/R MUSHOTSKY
CASE Category: 11 – ASTRONOMY

NAG 5 10355 JOHNS HOPKINS UNIV 4945
SMALL-SCALE INTERSTELLAR STRUCTURE TOWARD THE OPEN CLUSTER CHI PERSEI - FUSE 00
02/13/2001 - 02/14/2003 FY02: $0 Total: $10,000
Prin. Invest.: S D FRIEDMAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10364 JOHNS HOPKINS UNIV 4946
CENTRAL STARS OF PLANETARY NEBULAE IN THE LARGE MAGELLANIC CLOUD-FUSE00
02/05/2001 - 02/14/2002 FY02: $0 Total: $65,700
Prin. Invest.: L BIANCHI
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10380 JOHNS HOPKINS UNIV 4947
MOLECULAR HYDROGEN FLUORESCENCE IN IC 63 (FUSE 00)
02/08/2001 - 02/14/2003 FY02: $0 Total: $72,500
Prin. Invest.: R SANKRIT
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10394 JOHNS HOPKINS UNIV 4948
O VI EMISSION FROM THE INTERSTELLAR MEDIUM (FUSE 00)
02/12/2001 - 02/14/2003 FY02: $0 Total: $79,000
Prin. Invest.: R L SHELTON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10397 JOHNS HOPKINS UNIV 4949
"PROGRAMMABLE CIRCUIT INTERCONNECT USING MEMS LIQUID-METAL MICROSWITCHES".
02/12/2001 - 02/14/2004 FY02: $0 Total: $376,889
Prin. Invest.: R EDWARDS
Tech. Officer: GSFC/P YEP
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10402 JOHNS HOPKINS UNIV 4950
DETECTOR ANALOG INTERFACE APPLICATION SPECIFIC INTEGRATED CIRCUIT (ASIC)
02/27/2001 - 02/14/2003 FY02: $0 Total: $147,012
Prin. Invest.: D STROHBEHN
Tech. Officer: GSFC/J F SUTTON
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10403 JOHNS HOPKINS UNIV 4951
SYMBIOTIC BINARIES LABORATORIES FOR WIND STUDIES (FUSE 00)
02/15/2001 - 02/14/2003 FY02: $0 Total: $53,000
Prin. Invest.: S R MCCANDLISS
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10405 JOHNS HOPKINS UNIV 4952
FUSE SPECTROSCOPY OF HOT POST-AGB STARS IN GLOBULA R CLUSTERS - FUSE
03/28/2001 - 03/31/2003 FY02: $0 Total: $31,540
Prin. Invest.: W V DIXON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10464 JOHNS HOPKINS UNIV 4953
CONCEPT STUDY FOR INFRARED BASED BUS SYSTEM (IRCOM M)
03/05/2001 - 03/14/2002 FY02: $0 Total: $160,000
Prin. Invest.: M G DARRIN
Tech. Officer: GSFC/P J LUERS
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 10475 JOHNS HOPKINS UNIV 4954
ISTP: NONLINEAR DYNAMICS OF THE MAGNETOSPHERE FROM AURORAL ACTIVITY
02/27/2001 - 02/28/2004 FY02: $0 Total: $91,138
Prin. Invest.: A LUI
Tech. Officer: GSFC/J SPAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10479 JOHNS HOPKINS UNIV 4955
ISTP: TRANSIENT EVENTS AT THE MAGNETOPAUSE & IN THE IONOSPHERE
02/27/2001 - 02/28/2004 FY02: $0 Total: $69,923
Prin. Invest.: D G SIBECK
Tech. Officer: GSFC/J SPANN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10511 JOHNS HOPKINS UNIV 4956
A DETAILED STUDY OF TWO OPTICALLY-SELECTED, HIGH- REDSHIFT CLUSTERS OF GALAXIES
03/02/2001 - 06/30/2002 FY02: $0 Total: $42,635
Prin. Invest.: L M LUBIN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10562 JOHNS HOPKINS UNIV 4957
NANOSAT CROSSLINK TRANSCEIVER FOR NEAR-TERM DISTRI BUTED SPACECRAFT TECHNOLOGY DEMONSTRATION MI
03/16/2001 - 03/14/2003 FY02: $0 Total: $350,000
Prin. Invest.: P A STADTER
Tech. Officer: GSFC/S P HUGHES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10597 JOHNS HOPKINS UNIV 4958
PROPOSED ACTIVITIES FOR SUPERDARN GROUND-BASED INV ESTIGATION IN SUPPORT OF ISTP SOLAR MAX AND CLUST
03/19/2001 - 03/31/2003 FY02: $0 Total: $140,000
Prin. Invest.: R GREENWALD
Tech. Officer: GSFC/S CURTIS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10647 JOHNS HOPKINS UNIV 4959
DIFFUSION & WEAK STELLAR WINDS IN HOT B SUBDWARFS - LTSA-2000
03/27/2001 - 06/30/2003 FY02: $0 Total: $20,500
Prin. Invest.: P CHAYER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10650 JOHNS HOPKINS UNIV 4960
CNO ABUNDANCES IN LMC BN AND BC SUPERGIANTS (FUSE 00)
04/04/2001 - 04/14/2003 FY02: $0 Total: $10,824
Prin. Invest.: A FULLERTON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10693 JOHNS HOPKINS UNIV 4961
LASER/EVOLVED-GAS TIME-OF-FLIGHT MASS SPECTROMETER AND SAMPLE HANDLING SYSTEM FOR IN SITUCOMPOSITIO
04/16/2001 - 04/14/2004 FY02: $0 Total: $146,599
Prin. Invest.: W BRINCKERHOFF
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 10742 JOHNS HOPKINS UNIV 4962
PARALLEL SCANNING FOR THE NVO.
04/12/2001 - 04/30/2004 FY02: $0 Total: $100,000
Prin. Invest.: P Z KUNSZT
Tech. Officer: GSFC/P E HUNTER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10762 JOHNS HOPKINS UNIV 4963
HIGH-REDSHIFT QUASAR HOSTS AND ENVIRONMENTS (LTSA 2000)
04/23/2001 - 04/30/2006 FY02: $0 Total: $45,372
Prin. Invest.: S RIDGWAY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10769 JOHNS HOPKINS UNIV 4964
BLACK HOLES IN ACTIVE GALACTIC NUCLEI (LTSA 2000)
04/23/2001 - 04/30/2006 FY02: $0 Total: $95,000
Prin. Invest.: T YAQOOB
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10778 JOHNS HOPKINS UNIV 4965
STUDY FOR SPACE APPLICATION SWITCH/HUB FOR ETHERNET
05/18/2001 - 05/30/2003 FY02: $0 Total: $100,000
Prin. Invest.: P EISENREICH
Tech. Officer: GSFC/E WEBB
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 10787 JOHNS HOPKINS UNIV 4966
SOLAR ENERGETIC PARTICLE EVENTS IN THE INNER HELIO SPHERE AND DEEP SPACE:A MODEL FOR FORECASTING PRO
04/27/2001 - 04/30/2004 FY02: $0 Total: $80,990
Prin. Invest.: D LARIO
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10798 JOHNS HOPKINS UNIV 4967
CONCEPT STUDY FOR THE "THE PRIMORDIAL EXPLORER" PRIME MISSION AO-99-OSS-05
04/30/2001 - 04/30/2003 FY02: $0 Total: $418,500
Prin. Invest.: D ZHENG
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 10807 JOHNS HOPKINS UNIV 4968
THE GALACTIC HALO AND LOCAL BUBBLE (LTSA 2000)
04/23/2001 - 04/30/2006 FY02: $0 Total: $68,854
Prin. Invest.: C A NORMAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10836 JOHNS HOPKINS UNIV 4969
INTERPLANETARY SHOCK PREDICTION USING REAL TIME ENERGETIC PARTICLE OBSERVATIONS
04/27/2001 - 04/30/2003 FY02: $0 Total: $80,564
Prin. Invest.: G HO
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10849 JOHNS HOPKINS UNIV 4970
GLOBAL MAGNETOSPHERE/IONOSPHERE SPECIFICATION: LOW EARTH ORBIT CONSTELLATION OBSERVATIONS& GLOBAL
05/07/2001 - 05/14/2004 FY02: $0 Total: $100,000
Prin. Invest.: B J ANDERSON
Tech. Officer: GSFC/J F SPANN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10900 JOHNS HOPKINS UNIV 4971
SOLAR PROTON PENETRATION AT HIGH LATITUDES: MODEL CALCULATIONS OF CUTOFF LATITUDES & VARIATIONS WIT
05/07/2001 - 05/14/2003 FY02: $0 Total: $68,242
Prin. Invest.: R B DECKER
Tech. Officer: GSFC/J F SPANN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10902 JOHNS HOPKINS UNIV 4972
A STATISTICAL MODEL OF HIGH-LATITUDE CONVECTION REFRENCED TO AURORAL BOUNDARIES
05/07/2001 - 05/14/2003 FY02: $0 Total: $76,028
Prin. Invest.: J M RUOHONIEMI
Tech. Officer: GSFC/J F SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10916 JOHNS HOPKINS UNIV 4973
FUV AND OPTICAL SPECTROSCOPY OF HOT POST-AGB STARS IN GLOBULAR CLUSTERS
05/10/2001 - 05/14/2003 FY02: $0 Total: $49,400
Prin. Invest.: W V DIXON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10921 JOHNS HOPKINS UNIV 4974
INVESTIGATING THE EXCITATION MECHANISM FOR COMETARY X-RAY, EUV, AND FUV EMISSIONS
05/21/2001 - 12/31/2002 FY02: $0 Total: $52,500
Prin. Invest.: H A WEAVER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10922 JOHNS HOPKINS UNIV 4975
EVOLUTIONARY SYNTHESIS OF EARLY-TYPE GALAXIES (ATP 00)
05/21/2001 - 05/31/2004 FY02: $0 Total: $105,582
Prin. Invest.: M A HOUDASHELT
Tech. Officer: GSFC/R J OLIVERESEN
CASE Category: 11 – ASTRONOMY

NAG 5 10941 JOHNS HOPKINS UNIV 4976
WINTER-SUMMER ASYMMETRY OF IONOSPHERIC ELECTRO- DYNAMICS
05/15/2001 - 05/14/2003 FY02: $0 Total: $38,000
Prin. Invest.: S OHTANI
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10957 JOHNS HOPKINS UNIV 4977
OBSERVATIONS OF O VI EMISSION IN THE HOT HALO OF NGC 891 (FUSE 00)
05/30/2001 - 05/31/2002 FY02: $0 Total: $12,006
Prin. Invest.: C HOWK
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10971 JOHNS HOPKINS UNIV 4978
PREPARING FOR MULTI-SPACECRAFT MISSIONS: AURORAL SPACE-TIME SCALES AND MAGNETOTAIL ASSIMILATION MOD
05/25/2001 - 05/31/2004 FY02: $0 Total: $59,900
Prin. Invest.: S WING
Tech. Officer: GSFC/J SPANN
CASE Category: 11 – ASTRONOMY

NAG 5 10998 JOHNS HOPKINS UNIV 4979
A SOLAR BOLOMETRIC IMAGER FOR STUDYING SOLAR ENERGY INPUT TO EARTH
06/07/2001 - 05/31/2004 FY02: $0 Total: $386,254
Prin. Invest.: D M RUST
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11029 JOHNS HOPKINS UNIV 4980
TOMS DATA VALIDATION: SOLAR FLUX, QUIKTOMS AND TOTAL OZONE RETRIEVALS AT HIGH LATITUDES.
06/25/2001 - 06/30/2004 FY02: $0 Total: $44,000
Prin. Invest.: S A LLOYD
Tech. Officer: GSFC/R MCPETERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11034 JOHNS HOPKINS UNIV 4981
ATMOSPHERIC LOSS PROCESSES AT IO
06/20/2001 - 05/31/2002 FY02: $0 Total: $88,000
Prin. Invest.: B MAUK
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11035 JOHNS HOPKINS UNIV 4982
RADIATION FIELD MODELING & DATA ANALYSIS IN SUPPORT OF NASA STRATOSPHEREAND UPPER TROPOSPHERE
06/20/2001 - 06/14/2003 FY02: $0 Total: $49,955
Prin. Invest.: S A LLOYD
Tech. Officer: GSFC/M KURYLO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11051 JOHNS HOPKINS UNIV 4983
SATURN'S UPPER ATMOSPHERIC STRUCTURE AS DERIVED FROM A RE-ANALYSIS OF THE VOYAGER ULTRAVIOLET
06/20/2001 - 06/14/2004 FY02: $0 Total: $50,000
Prin. Invest.: R J VERVACK, JR
Tech. Officer: GSFC/D J BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11060 JOHNS HOPKINS UNIV 4984
LOW ENGERGY CHARGED PARTICLES ON THE VOYAGER INTER STELLAR MISSION
06/28/2001 - 06/30/2003 FY02: $0 Total: $475,000
Prin. Invest.: S M KRIMIGIS
Tech. Officer: GSFC/V W JONES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11116 JOHNS HOPKINS UNIV 4985
NEW RADIAITON FACILITIES PLANNING SUPPORT.
08/06/2001 - 07/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: J KINNISON
Tech. Officer: GSFC/R REED
CASE Category: 13 – PHYSICS

NAG 5 11193 JOHNS HOPKINS UNIV 4986
AN AUTOMATED SYSTEM FOR THE REDUCTION AND ANALYSIS OF X-RAY DATA FROM GALAXIES
08/29/2001 - 01/31/2003 FY02: $0 Total: $72,700
Prin. Invest.: A F PTAK
Tech. Officer: GSFC/P E HUNTER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11211 JOHNS HOPKINS UNIV 4987
INFERENCES FROM TOPOGRAPHY ON THE EMPLACEMENT OF FLUIDIZED EJECTA ON MARS
08/09/2001 - 08/14/2003 FY02: $0 Total: $53,000
Prin. Invest.: O BARNOUIN-JHA
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11283 JOHNS HOPKINS UNIV 4988
INFERRING STRATOPSHERIC AND TROPOSPHERIC TRANSPORT FROM CHEMICAL TRACER MEASUREMENTS
08/17/2001 - 08/31/2004 FY02: $0 Total: $92,581
Prin. Invest.: D WAUCH
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11297 JOHNS HOPKINS UNIV 4989
DETAILED MODELING AND ANALYSIS OF THE CPFM DATASET
08/22/2001 - 08/31/2003 FY02: $0 Total: $52,090
Prin. Invest.: W SWARTZ
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11332 JOHNS HOPKINS UNIV 4990
TIME-RESOLVED STUDY OF FLUORESCENCE IN FLUORESCENT PROTEIN BIOSENSORS
09/28/2001 - 08/31/2002 FY02: $0 Total: $32,408
Prin. Invest.: J B KHURGIN
Tech. Officer: GSFC/H SHAW
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 11350 JOHNS HOPKINS UNIV 4991
AURORAL INVESTIGATIONS USING THE POLAR UV AND VISI BLE IMAGERS
11/19/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: C MENG
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11378 JOHNS HOPKINS UNIV 4992
XMM SEARCHES FOR IRON LINES IN LOW LUMINOSITY AGN: A TEST OF ACCRETION THEORIES
10/29/2001 - 06/30/2003 FY02: $15,011 Total: $15,011
Prin. Invest.: A F PTAK
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11412 JOHNS HOPKINS UNIV 4993
TIMED PHASE E - SABER FLIGHT EXPERIMENT - PAXTON.
12/20/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: L PAXTON
Tech. Officer: GSFC/B A CAMPBELL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11456 JOHNS HOPKINS UNIV 4994
FUV WINDOWLESS LAMPS
12/05/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: S R MCCANDLISS
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11570 JOHNS HOPKINS UNIV 4995
A SEARCH FOR TRACE ELEMENTS IN ULTRAMASSIVE WHITE DWARF PHOTOSPHERES (FUSE 00)
01/04/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: J DUPUIS
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11571 JOHNS HOPKINS UNIV 4996
GEOTAIL ENERGETIC PARTICLES AND ION COMPOSITION (E PIC) PROGRAM
01/09/2002 - 02/28/2002 FY02: $0 Total: $0
Prin. Invest.: R W MCENTIRE
Tech. Officer: GSFC/D FAIRFIELD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11572 JOHNS HOPKINS UNIV 4997
X-RAY SPECTROSCOPY OF LOW-LUMINOSITY ACTIVE GALACT IC NUCLEI WITH XMM
01/04/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: A F PTAK
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11581 JOHNS HOPKINS UNIV 4998
A STUDY OF HOT GAS IN SHOCK WAVE--INTERSTELLAR CLOUD INTERACTIONS - FUSE
01/17/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: W P BLAIR
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11584 JOHNS HOPKINS UNIV 4999
SOLAR FILAMENTS NEAR 1 AU
01/16/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: D M RUST
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11670 JOHNS HOPKINS UNIV 5000
INTERMEDIATE-LUMINOSITY X-RAY OBJECTS (LTSA 2001)
01/28/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: E COLBERT
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11717 JOHNS HOPKINS UNIV 5001
SURFACE ABUNDANCE PATTERN OF ACCRETING WHITE DWARF S IN NON-INTERACTING CLOSE BINARIES_ (FUSE 00)
02/08/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: J DUPUIS
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11728 JOHNS HOPKINS UNIV 5002
TOMOGRAPHIC DIAGNOSIS OF THE IONIZATION CONE IN NG C 1068 (FUSE 99)
02/13/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: W ZHENG
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11783 JOHNS HOPKINS UNIV 5003
MINIATURE NEUTRON-ALPHA ACTIVATION SPECTROMETER
02/26/2002 - 02/28/2004 FY02: $0 Total: $0
Prin. Invest.: E RHODES
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11829 JOHNS HOPKINS UNIV 5004
TECHNICAL SUPPORT FOR THE DEPLOYMENT OF RADAR AND LASER ALTIMETERS DURING LARA-2002
03/04/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: R RANEY
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11844 JOHNS HOPKINS UNIV 5005
ORIGIN AND EVOLUTION OF WHITE DWARF STARS: THE EARLY YRS (LTSA)
04/03/2002 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: J DUPUIS
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11845 JOHNS HOPKINS UNIV 5006
EVALUATION OF SPACE RADIATION TOLERENCE OF CRITICAL LASER SYSTEM COMPONENTS
03/27/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: B BOONE
Tech. Officer: GSFC/W S HEAPS
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 11876 JOHNS HOPKINS UNIV 5007
RESEARCH WITH THE FLARE GENESIS DATA ON VECTOR MAG NETIC FIELDS IN ACTIVEREGION FLUX ROPES
03/18/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: D M RUST
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11894 JOHNS HOPKINS UNIV 5008
CONTINUATION OF THE ULYSSES: HI-SCALE INVESTIGATIO N
03/20/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: R E GOLD
Tech. Officer: GSFC/V JONES
CASE Category: 13 – PHYSICS

NAG 5 11909 JOHNS HOPKINS UNIV 5009
CLOUD & WATER VAPOR EFFECTS ON CLIMATE SENSITIVITY
04/17/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: A ARKING
Tech. Officer: GSFC/D ANDERSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11945 JOHNS HOPKINS UNIV 5010
STARBURST SUPERWINDS (FUSE 2001)
04/01/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: C HOWK
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11962 JOHNS HOPKINS UNIV 5011
INVESTIGATION OF TITAN'S ATMOSPHERE
04/04/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: X ZHU
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11967 JOHNS HOPKINS UNIV 5012
A FUSE DETERMINATION OF THE GRAVITATIONAL REDSHIFT AND SPEC-TROSCOPIC MASS OF SIRIUS B
04/03/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: J KRUK
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12017 JOHNS HOPKINS UNIV 5013
THE DISTRIBUTION OF SHOCK VELOCITIES IN N49 - A BRIGHT SUPERNOVA REMNANT IN THE LMC
04/30/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: R SANKRIT
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12050 JOHNS HOPKINS UNIV 5014
PLASMA SHEET CONVICTION AND NEAR-EARTH SUBSTORM PR OCESSES
04/18/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: S OHTANI
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12051 JOHNS HOPKINS UNIV 5015
PLANETARY AERONOMY
04/18/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: D F STROBEL
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12085 JOHNS HOPKINS UNIV 5016
INTERBALL AND VEGA DATA ARCHIVING.
04/25/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: D SIBECK
Tech. Officer: GSFC/P EHUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12092 JOHNS HOPKINS UNIV 5017
A HIGH-SPEED DATA ACCESS COMPONENT FOR NATIONAL VI RTUAL OBSERVATORY DATA GRID NODE
04/23/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: A R THAKAR
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12108 JOHNS HOPKINS UNIV 5018
A COMPREHENSIVE STUDY OF RELATIONSHIPS BETWEEN SOLAR WIND DESTINY AND AURORAL ELECTROJECTS
05/09/2002 - 05/31/2004 FY02: $0 Total: $0
Prin. Invest.: J SHUE
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12135 JOHNS HOPKINS UNIV 5019
VARIATIONS IN THE HOT ISM (FUSE 00)
05/09/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: C HOWK
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12169 JOHNS HOPKINS UNIV 5020
TIME-OF-FLIGHT MASS SPECTROMETER TECHNOLOGY FOR IN SITU
05/09/2002 - 05/14/2004 FY02: $0 Total: $0
Prin. Invest.: W B BRINCKERHOFF
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12201 JOHNS HOPKINS UNIV 5021
MODELING GEOSPACE PLASMA MASS DENSITY BASED ON THE FRE-QUENCY OF ULF WAVES
05/14/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: K TAKAHASHI
Tech. Officer: GSFC/J Q SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12209 JOHNS HOPKINS UNIV 5022
CONCEPT STUDY FOR INFRARED BASED BUS SYSTEM (IRCOM M)
06/04/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: M DARRIN
Tech. Officer: GSFC/P LUERS
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 12213 JOHNS HOPKINS UNIV 5023
WHY DO SOME DWARF NOVAE STAND STILL?
05/20/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: T M HECKMAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12224 JOHNS HOPKINS UNIV 5024
MAGNETOSPHERES OF THE OUTER PLANETS 2002
05/21/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: B MAUK
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12261 JOHNS HOPKINS UNIV 5025
THE METALLICITY DEPENDENCE OF THE BESTIBILITY JUMP IN HOST-STAR WINDS.
06/04/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: A FULLERTON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12291 JOHNS HOPKINS UNIV 5026
CONTINUATION OF THE VOYAGER INTERSTELLAR MISSION: LECP INVES-TIGATION
06/17/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: S M KRIMIGIS
Tech. Officer: GSFC/M GUTATHAKURTA
CASE Category: 11 – ASTRONOMY

NAG 5 12294 JOHNS HOPKINS UNIV 5027
CENTRAL STARS OF PLANETARY NEBULAR IN THE SMALL MAGELLANIC CLOUD
06/14/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: L BIANCHI
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12303 JOHNS HOPKINS UNIV 5028
IMAGE-IRIDIUM INTERCOMPARISON: BIRKELAND CURRENTS, AURORA, RING CURRENT AND PLASMASPHERE
06/21/2002 - 06/14/2005 FY02: $0 Total: $0
Prin. Invest.: B J ANDERSON
Tech. Officer: GSFC/J SPANN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 12354 JOHNS HOPKINS UNIV 5029
STUDIES OF ORGANIC SYNTHESIS IN HYPERVELOCITY IMPA CTS WITH PULSED LASER ABLATION
07/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: W B BRINCKERHOFF
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12363 JOHNS HOPKINS UNIV 5030
LASER ABLATION HYPERVELOCITY IMPACT SIMULATION MIC ROPROBE (LA-HISM) FOR STUDIES OF ORGANIC SYNTHESI
07/09/2002 - 07/14/2004 FY02: $0 Total: $0
Prin. Invest.: W B BRINCKERHOFF
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12423 JOHNS HOPKINS UNIV 5031
ABSORPTION-EMISSION LINE STUDY OF THE NORTHEAST CYGNUS LOOP (FUSE 2001)
08/06/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: W P BLAIR
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12448 JOHNS HOPKINS UNIV 5032
KINEMATICS AND COMPOSITION OF O-RICH MATERIAL IN P UPPIS A
08/15/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: W P BLAIR
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12456 JOHNS HOPKINS UNIV 5033
TRACING THE MOLECULAR ENVIRONMENTS OF HERBIG AE ST ARS WITH FUSE.
09/03/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: G WILLIGER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12479 JOHNS HOPKINS UNIV 5034
SOLAR ENERGETIC ELECTRONS AS PREDITORS OF GEO-EFFE CTIVE CME-DRIVEN SHOCKS AND SOLARENERGETIC
08/21/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: D HAGGERTY
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12481 JOHNS HOPKINS UNIV 5035
THE HALO'S O VI INTENSITY (FUSE 01)
08/21/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: R L SHELTON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12518 JOHNS HOPKINS UNIV 5036
THE YOUNGEST, MASSIVE STAR CLUSTERS IN M33
08/21/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: L BIANCHI
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12525 JOHNS HOPKINS UNIV 5037
RESEARCH AND ACTIVITIES TO SUPPORT SCIENCE PLANNIN G AND COORDINATION IN ASSOCIATION WITHTHE POLAR
09/19/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: N FOX
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 13 – PHYSICS

NAG 5 12555 JOHNS HOPKINS UNIV 5038
GSFC MISSION SERVICES EVOLUTION CENTER (GMSEC) ARC HITECTURE ASSESSMENT TASK
09/12/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: D P WATSON
Tech. Officer: GSFC/J BRISTOW
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 12623 JOHNS HOPKINS UNIV 5039
IMPROVED SIGNAL PROCESSING STRATEGIES FOR EXTRACT ING ICE THICKNESS FROM RADAR DEPTH SOUNDING MEASU
09/30/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: C LEUSCHEN
Tech. Officer: GSFC/M WEI
CASE Category: 13 – PHYSICS

NAG 8 1377 JOHNS HOPKINS UNIV 5040
R/S "NOVEL MICROGRAVITY OPTICAL TECHNIQUE FOR MOLECULARLY ENGINEERING ELECTROPHORETIC MEDIA.
07/23/1997 - 11/30/2001 FY02: $0 Total: $457,000
Prin. Invest.: D WIRTZ
Tech. Officer: MSFC/B GUYNES, MSFC/J MAYO
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1527 JOHNS HOPKINS UNIV 5041
AXAF INTERDISCIPLINARY SCIENTIST
03/30/1998 - 09/30/2002 FY02: $0 Total: $366,000
Prin. Invest.: R GIACCONI, C NORMAN
Tech. Officer: MSFC/M SMITH, MSFC/B HAMBRICK
CASE Category: 11 – ASTRONOMY

NAG 8 1648 JOHNS HOPKINS UNIV 5042
RBCC ACCESS TO SPACE ASSESSMENT
11/24/1999 - 03/31/2001 FY02: $0 Total: $96,583
Prin. Invest.: P J WALTRUP
Tech. Officer: MSFC/C M MC ARTHUR
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 8 1695 JOHNS HOPKINS UNIV 5043
DEVELOPMENT OF A NEUTRON SPECTROMETER TO ASSESS BIOLOGICAL RADIATION DAMAGE BEHIND SPACECRAFT MAT.
05/01/2000 - 11/30/2003 FY02: $0 Total: $130,500
Prin. Invest.: R MAUER
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1146 JOHNS HOPKINS UNIV 5044
CALCIUM KINETICS DURING SPACE FLIGHT
09/14/1999 - 09/30/2003 FY02: $0 Total: $110,325
Prin. Invest.: K O O'BRIEN
Tech. Officer: SSC/S M SMITH
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1345 JOHNS HOPKINS UNIV 5045
MODULAR LIBRARY OF SELF ASSEMBLING ARTIFICAL PROTE INS FOR 3 DIMENSIONSAL TISSUE CULTURE
08/01/2001 - 09/30/2004 FY02: $0 Total: $41,000
Prin. Invest.: J L HARDEN
Tech. Officer: KSC/D RISIN
CASE Category: 43 – CHEMICAL ENGR

NAG13 00045 JOHNS HOPKINS UNIV 5046
POLARIZATION DEPENDENCE OF GPS SIGNALS REFLECTED FROM THE OCEAN SURFACE
10/12/2000 - 10/11/2002 FY02: $0 Total: $119,850
Prin. Invest.: D R THOMPSON
Tech. Officer: SSC/R MILLER
CASE Category: 33 – OCEANOGRAPHY

NAS 3 01146 JOHNS HOPKINS UNIV 5047
EPIREP/FIS ARCHITECTURE WORK
04/30/2001 - 06/30/2002 FY02: $0 Total: $190,122
Prin. Invest.: L BACHMAN
Tech. Officer: GRC/G CHOMOS
CASE Category: 49 – ENGINEERING, OTHER

NAS 5 00166 JOHNS HOPKINS UNIV 5048
DEVELOPMENT OF SOLID STATE UV SOURCE/ORIGINAL POP 7/13/01
06/14/2000 - 07/25/2003 FY02: $2 Total: $273,853
Prin. Invest.: J KANG
Tech. Officer: GSFC/F SELDON- JONES
CASE Category: 45 – ELECTRICAL ENGR

NAS 5 01072 JOHNS HOPKINS UNIV 5049
SUN EARTH CONNECTION LIVING WITH A STAR PROGRAM LETTER CONTRACT.
12/21/2000 - 12/20/2012 FY02: $0 Total: $1,447,000
Prin. Invest.: N AVAILABLE
Tech. Officer: GSFC/J E ROBINSON
CASE Category: 11 – ASTRONOMY

NAS 5 30403 JOHNS HOPKINS UNIV 5050
SPACE TELESCOPE IMAGING SPECTROGRAPH PROGRAM SUPPORT
02/04/1988 - 06/30/2003 FY02: $0 Total: $2,795,865
Prin. Invest.: W MOOS
Tech. Officer: GSFC/D VITABLANO
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 5 32865 JOHNS HOPKINS UNIV 5051
DESIGN & DEVELOPMENT OF ADVANCED CAMERA SCIENCE
08/25/1995 - 06/30/2003 FY02: $0 Total: $3,725,677
Prin. Invest.: D FORD, D I ILLINGWORTH
Tech. Officer: GSFC/C KREBS
CASE Category: 42 – ASTRONAUTICAL ENGR

NAS 5 32985 JOHNS HOPKINS UNIV 5052
PHASE C/D DESIGN AND DEVELOPMENT OF THE FAR ULTRA- VOILET SPECTROSCOPIC EXPLORER (FUSE) MISSION
11/22/1995 - 06/30/2003 FY02: $0 Total: $140,638,386
Prin. Invest.: H W MOOS
Tech. Officer: GSFC/D R MENGERS
CASE Category: 11 – ASTRONOMY

NAS 5 97179 JOHNS HOPKINS UNIV 5053
TIMED PHASE C/D LETTER CONTRACT
06/16/1997 - 01/06/2006 FY02: $0 Total: $120,130,864
Prin. Invest.: D GRANT
Tech. Officer: GSFC/J J WOLFF
CASE Category: 11 – ASTRONOMY

NAS 5 97271 JOHNS HOPKINS UNIV 5054
AEROSPACE RESEARCH, DESIGN, AND DEVELOPMENT TASKS FOR NASA
10/01/1997 - 12/31/2018 FY02: $1,500,000 Total: $208,259,485
Prin. Invest.: T COUGHLIN
Tech. Officer: GSFC/J WOLFF
CASE Category: 11 – ASTRONOMY

NCC 1 01019 JOHNS HOPKINS UNIV 5055
ADAPTIVE DATA ANALYSIS AND PROCESSING TECHNOLOGY (ADAPT)--NRA-99-OES-08
01/16/2001 - 03/10/2004 FY02: $0 Total: $159,017
Prin. Invest.: M A DARRIN, M A DARRIN
Tech. Officer: LARC/M E BEATTY, III
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 812 **JOHNS HOPKINS UNIV** **5056**
USING SURFACTANTS TO CONTROL BUBBLE GROWTH COALESC ENCE IN NUCLEATE POOL BOILING
07/06/2000 - 05/31/2004 FY02: $0 Total: $151,940
Prin. Invest.: K J STEBE
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 961 **JOHNS HOPKINS UNIV** **5057**
TESTING AND MODELING OF MICRO AND NANO SCALE STRUC TURAL MATERIALS SYSTEMS
05/02/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: D N SHARPE
Tech. Officer: GRC/N N NEMETH
CASE Category: 46 – MECHANICAL ENGR

NCC 5 447 **JOHNS HOPKINS UNIV** **5058**
COOPERATIVE RESEARCH IN HIGH ENERGY ASTROPHYSICS BETWEEN JHU AND GSFC
12/21/1999 - 12/31/2002 FY02: $0 Total: $502,512
Prin. Invest.: E T VISHNIAC
Tech. Officer: GSFC/K E WEAVER
CASE Category: 11 – ASTRONOMY

NCC 5 500 **JOHNS HOPKINS UNIV** **5059**
ATMOSPHERIC TRANSPORT: COMPARISON OF OBSERVATIONS AND MODELS
05/08/2000 - 05/14/2003 FY02: $0 Total: $69,499
Prin. Invest.: D WAUGH
Tech. Officer: GSFC/A R DOUGLASS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 635 **JOHNS HOPKINS UNIV** **5060**
INTEGRATED DISCRETE EVENT CONTROLLER FOR AUTONOMOU DISTRIBUTED SPACECRAFT COORDINATION
02/28/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: P A STADTER
Tech. Officer: GSFC/J BRISTOW
CASE Category: 22 – COMPUTER SCIENCE

NGT 5 40079 **JOHNS HOPKINS UNIV** **5061**
MARYLAND SPACE GRANT COLL & FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $496,673
Prin. Invest.: R C HENRY
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50259 **JOHNS HOPKINS UNIV** **5062**
PROTEIN CRYSTALLIZATION AT INTERFACE STUDENT: JEFREY ERICKSON
07/07/1999 - 06/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: K J STEBE
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50268 **JOHNS HOPKINS UNIV** **5063**
SURFACTANT FACILITATED SPREADING
07/08/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: K J STEBE, VAN NGUYE
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50328 **JOHNS HOPKINS UNIV** **5064**
THE IMPACT OF DATA CONSTRAINTS IN GLOBAL CLIMATE MODELS (STUDENT: ANDREA MOLOD)
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: D WAUGH
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50372 **JOHNS HOPKINS UNIV** **5065**
SYNTHESIS, GROWTH KINETICS, AND ASSEMBLY OF NANO PARTICLES
06/13/2001 - 07/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: P C SEARSON
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 50 **JOHNS HOPKINS UNIV** **5066**
AN INVESTIGATION OF THE ADDITIVITY AND LINEARITY
07/05/2000 - 07/09/2002 FY02: $0 Total: $44,000
Prin. Invest.: J DICELLO
Tech. Officer: JSC/F A CUCINOTTA
CASE Category: 56 – MEDICL

NGT 9 65 **JOHNS HOPKINS UNIV** **5067**
MICROMECHANICAL RESPONSE OR LIVING CELLS TO CYTOSK ELETAL REORGANIZATION
08/06/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: D WIRTZ
Tech. Officer: JSC/C SAMS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 10230 **LOYOLA COLL** **5068**
APPLICATION OF GRADIENT-DESCENT IMAGE REGISTRATION TO SATELLITE IMAGERY.
01/16/2001 - 04/30/2002 FY02: $0 Total: $24,811
Prin. Invest.: P EASTMAN
Tech. Officer: GSFC/J LE MOIGNE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 12313 **LOYOLA COLL** **5069**
SYSTEM ENGINEERING ISSUES IN IMPLEMENTATION OF IMAGE REGISTRATION ALGORITHMS WITH EMPHASIS ON
07/12/2002 - 12/14/2004 FY02: $0 Total: $0
Prin. Invest.: P D EASTMAN
Tech. Officer: GSFC/J LEMOIGNE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 7136 **MORGAN STATE UNIV** **5070**
CHARACTERIZATION AND SIMULATION OF GALLIUM NITRIDE ULTRAVIOLET PHOTODETECTORS
03/16/1998 - 08/30/2001 FY02: $0 Total: $300,000
Prin. Invest.: C J SCOTT
Tech. Officer: GSFC/B MOTT
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 8574 **MORGAN STATE UNIV** **5071**
SEM MULTIPURPOSE FACILITY/PHASE I
07/21/1999 - 07/14/2002 FY02: $0 Total: $1,098,252
Prin. Invest.: H WILLIAMS
Tech. Officer: GSFC/P HOLLOWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8857 MORGAN STATE UNIV 5072
INVESTIGATION OF THE MAGNETIC & ELECTRONIC PROPER TIES OF METAL & METAL OXIDE FILMS & MULTILAYER FOR
09/28/1999 - 06/30/2003 FY02: $0 Total: $200,000
Prin. Invest.: C WILLIAMS
Tech. Officer: GSFC/J CHITWOOD
CASE Category: 13 – PHYSICS

NAG 5 9215 MORGAN STATE UNIV 5073
FORGING A PARTNERSHIP: A TWENTY-FIRST CENTURY APPR OACH TO THE INVESTIGATION OF SCIENTIFIC& TECHNOL
03/09/2000 - 12/14/2001 FY02: $0 Total: $850,000
Prin. Invest.: E DELOATCH
Tech. Officer: GSFC/G SOFFEN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9710 MORGAN STATE UNIV 5074
A PROPOSAL FOR NASA-RELATED RESEARCH CAPACITY BUIL DING AND OUTREACH BUILDING AND OUTREACHAT MORGAN
06/29/2000 - 03/31/2002 FY02: $0 Total: $1,600,000
Prin. Invest.: D N WILLIAMS
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10104 MORGAN STATE UNIV 5075
SPACE TECHNOLOGY 5 PROJECT. APPLICATION OF PRODUC- TION DESIGN CONSIDERATIONS TO NANO-SATELLITES
12/13/2000 - 12/14/2001 FY02: $0 Total: $5,000
Prin. Invest.: G CHEN
Tech. Officer: GSFC/J OBERRIGHT
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10913 MORGAN STATE UNIV 5076
DEVELOPING A SSPA UTILIZING WIDE BAND GAP SEMICON- DUCTOR MATERIAL
05/22/2001 - 09/30/2001 FY02: $0 Total: $13,244
Prin. Invest.: C WHITE
Tech. Officer: GSFC/D NGUYEN
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 10934 MORGAN STATE UNIV 5077
IMAGE REGISTRATION AND FUSION FOR FUTURE FORMATION FLYING SYSTEMS
06/06/2001 - 06/14/2004 FY02: $0 Total: $18,000
Prin. Invest.: D COLE-RHODES
Tech. Officer: GSFC/J MOIGNE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10947 MORGAN STATE UNIV 5078
A PROPOSAL CAPACITY BUILDING FOR NASA RELATED AND OUTREACH AT MORGAN STATE UNIV
05/25/2001 - 03/31/2003 FY02: $0 Total: $1,600,000
Prin. Invest.: E N ISUK
Tech. Officer: GSFC/B WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11229 MORGAN STATE UNIV 5079
EXAMINE SAMPLES OF CARBON CARBONADOS.
08/15/2001 - 08/14/2002 FY02: $0 Total: $3,000
Prin. Invest.: E C HAMMOND
Tech. Officer: GSFC/P TAYLOR
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11405 MORGAN STATE UNIV 5080
"FORGING A PARTNERSHIP"
12/03/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: E DELOATCH
Tech. Officer: GSFC/J BENNETT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11837 MORGAN STATE UNIV 5081
DESIGN OF HIGH SPEED COMPARATOR ARCHITECTURES FOR ANALOG-TO-DIGITAL CONVERTERS.
03/11/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: C T JOHSON-BEY
Tech. Officer: GSFC/J PIEMEIER
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 11852 MORGAN STATE UNIV 5082
A PLANNING GRANT PROPOSAL FOR FACULTY RESEARCH DEV ELOPMENT AND CAPACITY BUILDING FOR NASA-RELATED R
03/12/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: E ISUK
Tech. Officer: GSFC/D MENCAHN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1847 MORGAN STATE UNIV 5083
POLYMERIAZTION OF ADVANCED THERMOSETS IN MICROGRAV ITY TO DEVELOP ULTRA LOW PLOYMERS
08/06/2001 - 07/31/2002 FY02: $0 Total: $99,966
Prin. Invest.: A KENNEDY
Tech. Officer: MSFC/E ORDONEZ
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 998 MORGAN STATE UNIV 5084
SMART-SENSOR DESIGN INCORPORATING SIGNAL PROCESSIN G FOR DATA-COMPRESSION AND FEATURE ENHANCEMENT
03/31/1998 - 12/31/2001 FY02: $0 Total: $300,000
Prin. Invest.: J E WHITNEY
Tech. Officer: JSC/K KRISHEN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 532 MORGAN STATE UNIV 5085
NRTS CONTINUATION/MUSPIN NRTS PROGRAM.
02/01/2001 - 01/31/2004 FY02: $0 Total: $350,000
Prin. Invest.: W LUPTON
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 565 MORGAN STATE UNIV 5086
SIGE ADC FOR DIGITAL MICROWAVE RADIOMETRY
06/22/2001 - 12/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: C WHITE
Tech. Officer: GSFC/J PIEDMEIER
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 5342 SALISBURY STATE UNIV 5087
UNDERSTANDING TAXONOMIC AND PHYSIOLOGICAL PROPERTIES OF PHYTOPLANKTON
10/31/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: T JONES
Tech. Officer: WFF/T MOISAN
CASE Category: 33 – OCEANOGRAPHY

NCC 5 488 TOWSON STATE UNIV 5088
MULTI-AGENT SYSTEMS INSPACECRAFT: INTELLIGENT AGENTS AND AGENT COMM MANAGEMENT
04/14/2000 - 08/31/2002 FY02: $0 Total: $49,205
Prin. Invest.: B N NAG
Tech. Officer: GSFC/W TRUSZKOWSKI
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 6249 U OF MD CTR FOR ENVIR SCI - CAMBRIDGE 5089
TIMES-SCALES OF LAND-USE CHANGE AND EXPORT OF N AN BASIN TO THE COASTAL ZONE
08/19/1997 - 08/31/2001 FY02: $0 Total: $350,351
Prin. Invest.: P R FISHER
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NAG 5 6286 U OF MD CTR FOR ENVIR SCI - CAMBRIDGE 5090
REMOTE OBSERVATIONS AND MODELING OF PHYTOPLANKTON
09/10/1997 - 08/31/2002 FY02: $0 Total: $753,539
Prin. Invest.: L HARDING
Tech. Officer: GSFC/J HARDING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6387 U OF MD CTR FOR ENVIR SCI - CAMBRIDGE 5091
MODELLING N2 AND C02 FIXATION BY THE OCEANIC DIAZO TROPHIC CYANOBACTERIUMTRICHODESMIUM
10/18/1997 - 09/30/2001 FY02: $0 Total: $239,144
Prin. Invest.: R G HOOD
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7602 U OF MD CTR FOR ENVIR SCI - CAMBRIDGE 5092
REMOTE OBSERVATIONS IN THE CHOPTANK RIVER INDEX SI TE: OCEAN COLOR, SALINITY, TEMPERATURE AND C
07/21/1998 - 08/31/2002 FY02: $0 Total: $447,423
Prin. Invest.: L W HARDING
Tech. Officer: GSFC/J W CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11083 U OF MD CTR FOR ENVIR SCI - CAMBRIDGE 5093
EFFECTS OF LAND USE, SOILS & HUMAN POPULATIONS ON EXPORT OF WATER, C, N, & P FROM THE MID-ATLANTIC
07/19/2001 - 08/14/2004 FY02: $0 Total: $81,621
Prin. Invest.: T FISHER
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11302 U OF MD CTR FOR ENVIR SCI - CAMBRIDGE 5094
INDICES OF NUTRIENT ENRICHMENT IN U.S. ATLANTIC ES TUARIES FROMREMOTE SENSING OF OCEAN COLOR AND
08/30/2001 - 08/31/2005 FY02: $0 Total: $72,963
Prin. Invest.: L HARDING
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 5 00195 U OF MD CTR FOR ENVIR SCI - CAMBRIDGE 5095
R&D TO SUPPORT GSFC'S SIMBIOS PROJECT
12/18/2000 - 11/30/2002 FY02: $0 Total: $114,713
Prin. Invest.: L W HARDING
Tech. Officer: GSFC/C R MCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NCC 5 493 U OF MD CTR FOR ENVIR SCI - CAMBRIDGE 5096
REMOTE SENSING OF FOREST COMPOSITION AND STRUCTURE IN THE CENTRAL APPALACHIANS USING EO-1 HYPE
04/19/2000 - 09/30/2003 FY02: $2,500 Total: $138,779
Prin. Invest.: P A TOWNSEND
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 2 1195 UNIV OF MD - BIOTECH INST - COLLEGE PARK 5097
OCCURRENCE OF V CHOLERAE IN THE BAY OF BENGAL & AP PLICATION OF REMOTE SENSING METHODS FOR PREDICTIO
03/26/1998 - 02/28/2003 FY02: $0 Total: $141,067
Prin. Invest.: R R COLWELL
Tech. Officer: ARC/B L WOOD, ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 8 175 UNIV OF MD - BIOTECH INST - COLLEGE PARK 5098
R/S MICROBIAL RESISTANCE TO SOLAR RADIATION: DNA DAMAGE AND APPLICATION OF REPAIR ENZYMES IN BIOTEC
01/15/1999 - 11/05/2001 FY02: $0 Total: $289,500
Prin. Invest.: J DI RUAGIERO
Tech. Officer: JSC/S GONDA
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 1 2024 UNIV OF MARYLAND - COLL PARK 5099
DIRECT MEASUREMENTS OF TROPOSPHERIC OZONE FROM TOMS DATA
03/26/1998 - 01/31/2001 FY02: $0 Total: $351,001
Prin. Invest.: R D HUDSON
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2285 UNIV OF MARYLAND - COLL PARK 5100
INTERACTION OF A BOUNDARY LAYER WITH A TURBULANT WAKE
03/30/2000 - 03/31/2003 FY02: $0 Total: $104,953
Prin. Invest.: U PIOMELLI
Tech. Officer: LARC/C L STREETT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01084 UNIV OF MARYLAND - COLL PARK 5101
WHIRL FLUTTER OF TWO BLADED PROPELLOR/PYLON SYSTEM
05/17/2001 - 03/14/2002 FY02: $0 Total: $40,000
Prin. Invest.: I CHOPRA
Tech. Officer: LARC/A S POTOTZKY, LARC/R G KVATERNIK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1352 UNIV OF MARYLAND - COLL PARK 5102
MECHANOSENSITIVE CHANNELS IN BACTERIA: FUNCTIONAL DOMAINS & MECHANISMS OF GATING
07/27/1999 - 07/31/2003 FY02: $0 Total: $359,055
Prin. Invest.: S I SUKHAREV
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1405 UNIV OF MARYLAND - COLL PARK 5103
QUAD TILTROTOR COMPUTATIONAL FLUID DYNAMICS PROGRA M
04/28/2000 - 04/30/2003 FY02: $0 Total: $589,999
Prin. Invest.: F SCHMITZ, J BAEDER
Tech. Officer: ARC/R A STRAWN, ARC/C TUNG
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1407 UNIV OF MARYLAND - COLL PARK 5104
DYNAMICS OF HELICOPTERS WITH ON-BLADE CONTROLS
05/22/2000 - 05/31/2003 FY02: $0 Total: $71,849
Prin. Invest.: R CELI
Tech. Officer: ARC/M B TISCHER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1536 UNIV OF MARYLAND - COLL PARK 5105
MODEL BASED HAZARD ANALYSIS METHOD AND SIMULATION TOOL
02/13/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: A MOSLEH
Tech. Officer: ARC/M SHIRLEY
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 2 1549 UNIV OF MARYLAND - COLL PARK 5106
RUNWAY INDEPENDENT AIRCRAFT (RIA) OPERATIONAL NOIS E PREDICTION/VALIDATION
04/12/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: F H SCHMITZ
Tech. Officer: ARC/W A DECKER, ARC/J A SCHROEDER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1577 UNIV OF MARYLAND - COLL PARK 5107
NEURAL NETWORK BASED ROBUST INDIVIDUAL BALDE CONTR OLLER
08/13/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: I CHOPRA
Tech. Officer: ARC/W WARMBRODT, ARC/S KOTTAPOLLI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2139 UNIV OF MARYLAND - COLL PARK 5108
SPECTURAL ELEMENT SIMULATIONS OF THERMAL CONVECTIO N IN A ROTARING HEMISPHERICAL SHELL WILL RADIAL G
03/17/1998 - 01/05/2001 FY02: $0 Total: $101,000
Prin. Invest.: A DEANE
Tech. Officer: GRC/A CHAIT
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2206 UNIV OF MARYLAND - COLL PARK 5109
INVESTIGATION OF POD BOILING HEAT TRANSFER MECHANI SMAS IN MICROGRAVITY USING AN ARRAY OF SURFACE MO
10/28/1998 - 05/31/2001 FY02: $0 Total: $177,300
Prin. Invest.: J KIM
Tech. Officer: GRC/J B MCQUILLEN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2223 UNIV OF MARYLAND - COLL PARK 5110
ROBUST DIAGNOSIS OF PLANETARY GEARTRAIN FAULTS ROBUST DIAG-NOSIS OF PLANETARYGEARTRAIN FAULTS
01/08/1999 - 10/31/2002 FY02: $0 Total: $244,015
Prin. Invest.: D J PINES
Tech. Officer: GRC/D G LEWICKI
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2337 UNIV OF MARYLAND - COLL PARK 5111
DATA-BASE ON FUEL AIR MIXING AND COMBUSTION FOR NA TIONAL COMBUSTION
02/24/2000 - 02/02/2005 FY02: $0 Total: $144,507
Prin. Invest.: A K GUPTA
Tech. Officer: GRC/R R TACINA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2479 UNIV OF MARYLAND - COLL PARK 5112
GEOPHYSICAL FLOW EXPERIMENT IN A ROTATING SPHERICA L CAPACI-TOR, UM #000508-7778
07/26/2000 - 11/30/2003 FY02: $0 Total: $57,486
Prin. Invest.: D DEANE
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2480 UNIV OF MARYLAND - COLL PARK 5113
PROPULSION/AIRFRAME INTEGRATION FOR HYPERSONIC ACC ESS-TO-SPACE
07/27/2000 - 09/30/2001 FY02: $0 Total: $74,306
Prin. Invest.: D J LEWIS
Tech. Officer: GRC/D T PALAC
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2568 UNIV OF MARYLAND - COLL PARK 5114
MATERIAL PROPERTIES GOVERNING CO0CURRENT FLAME SPR EAD IN MICROGRAVITY
03/20/2001 - 11/30/2004 FY02: $0 Total: $100,000
Prin. Invest.: J L TORERO
Tech. Officer: GRC/G A RUFF
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2736 UNIV OF MARYLAND - COLL PARK 5115
GRANULAR FLOW INSTABILITIES: TRANSIENTS, AGING AND SEGREGATION DYNAMICS.
03/15/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: W LOSERT
Tech. Officer: GRC/J H AGUI
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2805 UNIV OF MARYLAND - COLL PARK 5116
PACKAGE TECHNOLOGY EVALUATION FOR HIGH TEMPERATURE SIC ELEC-TRONICS AND MEMSPRESSURE
09/09/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: D MCCLUSKEY
Tech. Officer: GRC/R S OKOJIE
CASE Category: 46 – MECHANICAL ENGR

NAG 5 3361 UNIV OF MARYLAND - COLL PARK 5117
ISO DATA ANALYSIS IN PROGRAM FOR RESEARCH TO BE CO NDUCTED AT THE UMD
08/28/1996 - 08/31/2001 FY02: $0 Total: $196,200
Prin. Invest.: D G CURRLA
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3454 UNIV OF MARYLAND - COLL PARK 5118
TERRESTRIAL MONITORING AT HIGH SPATIAL RESOLUTION: THE ROLE OF LANDSAT-TYPESENSORS IN MISSION.....
10/07/1996 - 06/01/2002 FY02: $0 Total: $1,695,179
Prin. Invest.: S N GOWARD
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 3678 UNIV OF MARYLAND - COLL PARK 5119
TROPOSPHERIC CONVECTION AND STRATOSPHERE-TROPOSPHE ON PHOTOCHEMISTRY, AEROSOLS, AND CLIMATE
01/04/1997 - 01/14/2001 FY02: $0 Total: $830,000
Prin. Invest.: K E PICKERING
Tech. Officer: GSFC/M D HALL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 3836 UNIV OF MARYLAND - COLL PARK 5120
LOW LUMINOSITY ACCRETION ONTO COMPACT OBJECTS
02/11/1997 - 08/14/2001 FY02: $0 Total: $219,000
Prin. Invest.: J L WANG
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3840 UNIV OF MARYLAND - COLL PARK 5121
MAGNETOHYDRODYNAMIC MODELS OF THE COLD INTERSTELLA
02/14/1997 - 02/14/2002 FY02: $0 Total: $217,500
Prin. Invest.: E C OSTRIKER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3960 UNIV OF MARYLAND - COLL PARK 5122
THE EFFECT OF VARIATIONS IN PACIFIC FRESH-WATER AN INDIAN OCEAN
02/18/1997 - 01/31/2002 FY02: $0 Total: $350,884
Prin. Invest.: R WAJSOWICZ
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 4056 UNIV OF MARYLAND - COLL PARK 5123
SATELLITE BASED IDENTIFICATION OF LINKED VEGETATIO SURFACE TEMPERATURE ANOMALY AREAS
03/11/1997 - 03/14/2001 FY02: $0 Total: $400,350
Prin. Invest.: J R TOWNSHEND
Tech. Officer: GSFC/C J TUCKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4080 UNIV OF MARYLAND - COLL PARK 5124
OBSERVATIONS OF COMETS AND ASTEROIDS
04/11/1997 - 11/30/2001 FY02: $0 Total: $300,000
Prin. Invest.: D F A'HEARN
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 4313 UNIV OF MARYLAND - COLL PARK 5125
A SPACE PHYSICS ANALYSIS AND PLANNING TOOL
05/09/1997 - 12/31/2001 FY02: $0 Total: $312,500
Prin. Invest.: D C GOODRICH
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 4811 UNIV OF MARYLAND - COLL PARK 5126
DEFORESTRATION AND DEGRADATION IN SOUTHERN AND CEN
06/25/1997 - 10/31/2001 FY02: $0 Total: $580,000
Prin. Invest.: S PRINCE
Tech. Officer: GSFC/G C GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 5155 UNIV OF MARYLAND - COLL PARK 5127
OPTIMIZED CALORIMETER FOR ACCESS MEASUREMENTS OF Z-1-26 NU-CLEI AND ELECTRONS
03/26/1998 - 03/31/2002 FY02: $0 Total: $247,200
Prin. Invest.: E S SEO
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5204 UNIV OF MARYLAND - COLL PARK 5128
COSMIC-RAY ORIGIN, ACCELERATION, AND PROPAGATION SELECTED UNDER THE PRESIDENTIAL EARLY CAREER AWARD
06/24/1998 - 06/30/2003 FY02: $0 Total: $400,000
Prin. Invest.: E S SEO
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5225 UNIV OF MARYLAND - COLL PARK 5129
GRANT NAG5-5225 FOR ANTIMATTER AND COSMIC RAY STUDIES USING BESS. PI DR. EUN-SUK SEO
03/16/1999 - 09/30/2002 FY02: $0 Total: $281,100
Prin. Invest.: E S SEO
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5249 UNIV OF MARYLAND - COLL PARK 5130
COSMIC RAY ENERGETICS AND MASS (CREAM) COSMIC RAY ENERGETICS AND MASS (CREAM)
03/13/2000 - 11/30/2002 FY02: $0 Total: $2,088,200
Prin. Invest.: E SEO
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5263 UNIV OF MARYLAND - COLL PARK 5131
SOUNDING ROCKET EXPERIMENT TO EXPLORE ELECTRO- DYNAMICS COUPLING
03/02/2000 - 02/21/2003 FY02: $0 Total: $160,277
Prin. Invest.: M A COPLAN
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5308 UNIV OF MARYLAND - COLL PARK 5132
FIRST YEAR FUNDING FOR NAG5-5308 FIRST YEAR FUNDING FOR NAG5-5308
02/01/2001 - 11/30/2003 FY02: $0 Total: $250,000
Prin. Invest.: E S SEO
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5347 UNIV OF MARYLAND - COLL PARK 5133
SEARCHING FOR ANTIMATTER AND OTHER EXOTICS USING T HE BALLOON BORNE EXPERIMENT WITH A SUPERCOND
01/16/2002 - 01/07/2005 FY02: $0 Total: $0
Prin. Invest.: J WANG
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 6004 UNIV OF MARYLAND - COLL PARK 5134
CHARACTERIZING LAND-COVER HETEROGENEITY AND LAND-C SENSOR SATELLITE DATA
08/28/1997 - 03/14/2001 FY02: $0 Total: $573,934
Prin. Invest.: D DEFRIES
Tech. Officer: GSFC/G C GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6421 UNIV OF MARYLAND - COLL PARK 5135
GLOBAL VEGETATION DYNAMICS
09/26/1997 - 06/30/2001 FY02: $0 Total: $693,429
Prin. Invest.: S D PRINCE
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6459 UNIV OF MARYLAND - COLL PARK 5136
VALIDATING MODIS/MISR LAND SURFACE REFLECTING AND ALBEDO PRODUCTS
10/14/1997 - 09/30/2001 FY02: $0 Total: $360,529
Prin. Invest.: S LIANG
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6464 UNIV OF MARYLAND - COLL PARK 5137
EOS VALIDATION ACTIVITY IN A DESERT ENCROACHMENT ZONE OF SUB-SAHEL AFRICA
10/14/1997 - 09/30/2003 FY02: $0 Total: $495,819
Prin. Invest.: R PINKER
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6483 UNIV OF MARYLAND - COLL PARK 5138
EVALUATION OF OPERATIONAL LONGWAVE RADIATION BUDGE T PARAMETERS USING THE GOES SOUNDERS
11/18/1997 - 12/31/2001 FY02: $0 Total: $839,848
Prin. Invest.: P ELLINGSON
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6547 UNIV OF MARYLAND - COLL PARK 5139
ORIGIN AND IMPACT OF NUCLEAR ACTIVITY IN GALAXIES (LTSA)
10/29/1997 - 10/31/2003 FY02: $0 Total: $117,452
Prin. Invest.: S VEILLEUX
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6667 UNIV OF MARYLAND - COLL PARK 5140
EVALUATION OF ACCURACIES IN GEOPHYSICAL PARAMETERS DERIVED FROM PATHFINDER DATA
12/10/1997 - 12/31/2001 FY02: $0 Total: $363,808
Prin. Invest.: P PINKER
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6682 UNIV OF MARYLAND - COLL PARK 5141
INTERANNUAL VARIABILITY, TRENDS, AND TRACER CORREL ATIONS IN THE UARS DATA SET
12/08/1997 - 11/30/2001 FY02: $0 Total: $158,542
Prin. Invest.: D B CONSIDINE
Tech. Officer: GSFC/A DOUGLASS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6699 UNIV OF MARYLAND - COLL PARK 5142
ENHANCED METADATA EXTRACTION FOR NASA'S REGIONAL V ALIDATION CENTER SYSTEM.
12/12/1997 - 03/31/2003 FY02: $0 Total: $189,770
Prin. Invest.: J JAJA
Tech. Officer: GSFC/J LEMONIGNE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 6750 UNIV OF MARYLAND - COLL PARK 5143
ANALYSIS TOOLS FOR IR LINE AND CONTINUUM OBSERVATI ONS; COBE AND THE STRUCTURE OF THE GALACTIC I
01/12/1998 - 01/14/2002 FY02: $0 Total: $208,147
Prin. Invest.: M WOLFIRE
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6970 UNIV OF MARYLAND - COLL PARK 5144
MACHINE LEARNING TO IMPROVE LAND COVER CLASSIFICAT IONS FROM MULTISENSOR ANDMULTITEMPORAL DATA
03/12/1998 - 09/30/2001 FY02: $0 Total: $305,083
Prin. Invest.: R E DEFRIES
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7058 UNIV OF MARYLAND - COLL PARK 5145
ICE FLOW IN THE NORTHEAST GREENLAND ICE STREAM: ME ASUREMENT AND ANALYSIS
03/04/1998 - 02/28/2003 FY02: $0 Total: $272,998
Prin. Invest.: M FAHNESTOCK
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7141 UNIV OF MARYLAND - COLL PARK 5146
PIONEER 10/11 AND ULYSSES STUDY OF ENERGETIC PARTI CLES IN THE HELIOSPHERE
03/12/1998 - 02/28/2001 FY02: $0 Total: $329,500
Prin. Invest.: F B MCDONALD
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7145 UNIV OF MARYLAND - COLL PARK 5147
EMISSION PROCESSES ASOCIATED WITH SOLAR TYPE III R ADIO BURSTS
03/23/1998 - 04/14/2002 FY02: $0 Total: $162,414
Prin. Invest.: T GOLLA
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 7263 UNIV OF MARYLAND - COLL PARK 5148
VERTICAL TRANPSPORT PROCESSES IN THE SASS/GMI CHEM ICAL TRANSPORT MODEL: DEVELOPMENT, EVALUATION, AN
04/29/1998 - 04/30/2002 FY02: $0 Total: $170,883
Prin. Invest.: K PICKERING
Tech. Officer: GSFC/R W STEWART
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7419 UNIV OF MARYLAND - COLL PARK 5149
SIMULATION OF RADIOACTIVE TRACERS TO EVALUATE TRAN SPORT AND SCAVENGING IN THE GMI CORE MODEL
06/29/1998 - 04/30/2001 FY02: $0 Total: $162,321
Prin. Invest.: D CONSIDINE
Tech. Officer: GSFC/R W STEWART
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7425 UNIV OF MARYLAND - COLL PARK 5150
FUSION OF AVHRR AND SEAWIFS DATA
05/26/1998 - 10/31/2000 FY02: $0 Total: $168,774
Prin. Invest.: S D PRINCE
Tech. Officer: GSFC/C J TUCKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7587 UNIV OF MARYLAND - COLL PARK 5151
TERRESTRIAL ENVIRONMENTAL VARIABLES DERIVED FROM E OS PLATFORM
06/29/1998 - 07/31/2001 FY02: $0 Total: $241,817
Prin. Invest.: S N GOWARD
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7634 UNIV OF MARYLAND - COLL PARK 5152
ISOTOPIC AND GEOCHEMICAL INVESTIGATIONS OF METEORI TES
09/10/1998 - 07/31/2002 FY02: $0 Total: $209,000
Prin. Invest.: R J WALKER
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7762 UNIV OF MARYLAND - COLL PARK 5153
WIND/SOHO GUEST OBSERVER PROGRAM FOR STUDY OF SOLAR ENERGETIC PARTICLES AND GALACTIC
12/24/1998 - 09/30/2002 FY02: $0 Total: $251,100
Prin. Invest.: F B MCDONALD
Tech. Officer: GSFC/M GUHATHAKURTA
CASE Category: 11 – ASTRONOMY

NAG 5 7842 UNIV OF MARYLAND - COLL PARK 5154
OBSERVING SYSTEM SIMULATION EXPERIMENTS AND 4DDA A SSOCIATED WITH CAMEX3
11/27/1998 - 11/30/2001 FY02: $0 Total: $270,000
Prin. Invest.: D ZHANG
Tech. Officer: GSFC/A F NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7958 UNIV OF MARYLAND - COLL PARK 5155
DYNAMICS OF DUST IN THE JOVIAN SYSTEM
01/27/1999 - 02/28/2001 FY02: $0 Total: $99,321
Prin. Invest.: D P HAMILTON
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8033 UNIV OF MARYLAND - COLL PARK 5156
SUPPORT OF DATA ACCESS FOR THE IMP-8 UMD EXPERIMEN T
01/19/1999 - 01/31/2002 FY02: $0 Total: $16,937
Prin. Invest.: F IPAVICH
Tech. Officer: GSFC/J KING
CASE Category: 11 – ASTRONOMY

NAG 5 8079 UNIV OF MARYLAND - COLL PARK 5157
A PROPOSAL TO ASSIST IN THE INTERPRETATION OF DATA FROM THE COSMIC RAY ISOTOPE SPECTROMETER EXPERI
01/14/1999 - 12/31/2001 FY02: $0 Total: $140,400
Prin. Invest.: D LUKASIAK
Tech. Officer: GSFC/D C LING
CASE Category: 11 – ASTRONOMY

NAG 5 8121 UNIV OF MARYLAND - COLL PARK 5158
GENERATION OF A CONSISTENT TERRESTRIAL NET PRIMARY PRODUCTION DATA SET: PART II
01/26/1999 - 12/31/2001 FY02: $0 Total: $187,510
Prin. Invest.: S D PRINCE
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8177 UNIV OF MARYLAND - COLL PARK 5159
DISTRIBUTION OF IJRS SPECIAL ISSUE ON GLOBAL AND REGIONAL LAND COVER CHARACTERIZATION FROM REMOTE
02/09/1999 - 12/31/2000 FY02: $0 Total: $15,037
Prin. Invest.: R DEFRIES
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8179 UNIV OF MARYLAND - COLL PARK 5160
INTERNATIONAL FORUM ON BRDF
02/12/1999 - 12/30/2000 FY02: $0 Total: $14,993
Prin. Invest.: S LIANG
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8192 UNIV OF MARYLAND - COLL PARK 5161
RESEARCH IN SOLAR RADIO ASTRONOMY AT SHORT WAVELEN GTHS
05/13/1999 - 05/31/2003 FY02: $0 Total: $342,214
Prin. Invest.: M R KUNDU
Tech. Officer: GSFC/W J WAGNER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8230 UNIV OF MARYLAND - COLL PARK 5162
COMPARISON OF THE RADIATIVE AND PHYSIOLOGICAL EFFE CTS OF DOUBLED CO2 ON THEGLOBAL CLIMATE AND DEVE
03/01/1999 - 11/30/2000 FY02: $0 Total: $151,808
Prin. Invest.: L BOUNOUA
Tech. Officer: GSFC/J G COLLATZ
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8263 UNIV OF MARYLAND - COLL PARK 5163
SALINITY EFFECTS ON INTRA-SEASONAL TO INTERANNUAL VARIABILITY OF A COUPLED CLIMATE PREDICTION M
02/22/1999 - 12/31/2002 FY02: $0 Total: $429,840
Prin. Invest.: R MURTUGUDDE
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8289 UNIV OF MARYLAND - COLL PARK 5164
DYNAMICAL DIAGNOSIS OF THE NSIPP ATMOSPHERIC AND COUPLED MODEL SIMULATIONS
02/24/1999 - 02/28/2003 FY02: $0 Total: $302,305
Prin. Invest.: S NIGAM
Tech. Officer: GSFC/M RIENECKER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8366 UNIV OF MARYLAND - COLL PARK 5165
SURFACE RADIATION BUDGETS FOR LBA
03/08/1999 - 02/28/2003 FY02: $0 Total: $290,045
Prin. Invest.: R T PINKER
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8398 UNIV OF MARYLAND - COLL PARK 5166
CONDUCT RESEARCH IN RAREFIED GAS DYNAMICS TO SUPPO RT THE DEVELOPMENT OF NASA'S GLOBAL ELECTRODYNAMI
05/10/1999 - 05/14/2003 FY02: $0 Total: $150,000
Prin. Invest.: D J LEWIS
Tech. Officer: GSFC/J FIORA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8459 UNIV OF MARYLAND - COLL PARK 5167
EQ-S MISSIONS OPERATIONS AND DATA ANALYSIS
04/19/1999 - 04/14/2002 FY02: $0 Total: $139,871
Prin. Invest.: J DRAKE
Tech. Officer: GSFC/M HESSE
CASE Category: 13 – PHYSICS

NAG 5 8528 UNIV OF MARYLAND - COLL PARK 5168
ENSEMBLE OCEAN-ATMOSPHERE PERTURBATIONS WITH GROWI NG ENSO USING BREEDING
05/26/1999 - 05/31/2003 FY02: $0 Total: $584,118
Prin. Invest.: E KALNAY
Tech. Officer: GSFC/M RIENECKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8595 UNIV OF MARYLAND - COLL PARK 5169
PHYSICAL & BIOGEOCHEMICAL PROCESSES WITH THE INDIA OCEAN: A STUDY OF ANNUAL& INTERANNUAL VARIBILIT
06/07/1999 - 11/30/2001 FY02: $0 Total: $272,923
Prin. Invest.: R MURTUGUDDE
Tech. Officer: GSFC/J W CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8596 UNIV OF MARYLAND - COLL PARK 5170
YEAR 1 FUNDING FROM HPCC/ESS PROJECT FOR PROPOSAL TITLE: AN ADAPTIVE MHD CODE BASED ON CHARACTERI
06/11/1999 - 06/14/2002 FY02: $0 Total: $146,327
Prin. Invest.: A DEANE
Tech. Officer: GSFC/J R FISCHER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8621 UNIV OF MARYLAND - COLL PARK 5171
ANALYSIS OF DATA FROM THE SWE EXPERIMENT ON THE WIND SPACE-CRAFT
06/16/1999 - 03/31/2001 FY02: $0 Total: $31,144
Prin. Invest.: M COPLAN
Tech. Officer: GSFC/K OGILVIE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8678 UNIV OF MARYLAND - COLL PARK 5172
ROLE OF GRAY SQUIRRELS IN MAINTAINING LIFE CYCLE
07/09/1999 - 08/31/2002 FY02: $0 Total: $18,885
Prin. Invest.: L W ADAMS
Tech. Officer: GSFC/D E WALTER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 8764 UNIV OF MARYLAND - COLL PARK 5173
MODELS & ALGORITHMS FOR FOREST DYNAMIC STUDIES IN SIBERIA & NORTHEASTERN CHINA USING MULTI-SATELLITE
09/10/1999 - 11/30/2002 FY02: $0 Total: $224,080
Prin. Invest.: G SUN
Tech. Officer: GSFC/K J RANSON
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 8833 UNIV OF MARYLAND - COLL PARK 5174
THE REDSHIFT DEPENDENCE OF THE INTERACTION- ACTIVITY CONNEC-TION AMONG ULTRALUMIOUS STARBURST
09/12/2000 - 09/14/2003 FY02: $0 Total: $17,432
Prin. Invest.: P J TEUBEN
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8842 UNIV OF MARYLAND - COLL PARK 5175
AWARD FUNDING TO THE UNIV OF MARYLAND FOR PROPOSAL ENTITLED "OCTOBER ASTROPHYSICS CONFER
09/24/1999 - 09/30/2004 FY02: $0 Total: $75,000
Prin. Invest.: J D TRASCO
Tech. Officer: GSFC/D NORTON
CASE Category: 11 – ASTRONOMY

NAG 5 8877 UNIV OF MARYLAND - COLL PARK 5176
SOLAR CYCLE DYNAMICS STUDIES WITH SAMPEX
11/24/1999 - 11/30/2003 FY02: $0 Total: $1,550,000
Prin. Invest.: G MASON
Tech. Officer: GSFC/T VON ROSENVINGE
CASE Category: 11 – ASTRONOMY

NAG 5 8936 UNIV OF MARYLAND - COLL PARK 5177
AN INVESTIGATION OF TROPICAL UPPER TROPOSPHERIC HUMIDITY
01/18/2000 - 11/30/2003 FY02: $0 Total: $259,155
Prin. Invest.: A DESSLER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9075 UNIV OF MARYLAND - COLL PARK 5178
ULTRA-WIDEBAND MICROWAVE SPECTROMETERS FOR HETEROD YNE SPECTROSCOPY
02/16/2000 - 02/28/2003 FY02: $0 Total: $228,000
Prin. Invest.: A HARRIS
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9108 UNIV OF MARYLAND - COLL PARK 5179
MAGNETIC RECONNECTION & ASSOCIATED WAVE & PARTICLE SIGNA-TURES IN COLLISIONLESS PLASMA
02/23/2000 - 02/28/2003 FY02: $0 Total: $176,162
Prin. Invest.: J F DRAKE
Tech. Officer: GSFC/J SHARBER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9150 UNIV OF MARYLAND - COLL PARK 5180
CENTER FOR SATELLITE AND HYBRID COMMUNICATION NETWORKS, NASA COMMERCIAL SPACE CENTER
03/03/2000 - 09/01/2001 FY02: $0 Total: $1,000,000
Prin. Invest.: J BARAS
Tech. Officer: GSFC/R DEPAULA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9151 UNIV OF MARYLAND - COLL PARK 5181
UNDERGRADUATE AND GRADUATE STUDENT TRAINING IN AERONAUTICS RESEARCH (STAR)
03/02/2000 - 02/28/2001 FY02: $0 Total: $53,798
Prin. Invest.: M GAVRILAS
Tech. Officer: GSFC/M S BURRELL
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9167 UNIV OF MARYLAND - COLL PARK 5182
EVOLUTIONARY MODELS OF COLD, MAGNETIZED, INTERSTEL LAR CLOUDS (ATP 99)
03/15/2000 - 03/14/2003 FY02: $0 Total: $173,503
Prin. Invest.: E OSTRIKER
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9228 UNIV OF MARYLAND - COLL PARK 5183
ESTABLISHMENT OF CENTER FOR ADVANCED INFORMATION TECHNOL-OGY
03/20/2000 - 02/28/2002 FY02: $0 Total: $2,000,000
Prin. Invest.: G L GEOFFROY
Tech. Officer: GSFC/M PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9271 UNIV OF MARYLAND - COLL PARK 5184
PDRS IN GALAXIES: FROM THE LOCAL UNIVERSE TO HIGH Z STARBURSTS (LTSA 99)
03/15/2000 - 03/14/2005 FY02: $0 Total: $130,777
Prin. Invest.: M WOLFIRE
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9282 UNIV OF MARYLAND - COLL PARK 5185
MISSION OPERATIONS & DATA ANALYSIS FOR THE CELIAS/ MT OF EXPERIMENT
04/06/2000 - 04/30/2003 FY02: $0 Total: $750,000
Prin. Invest.: F IPAVICH
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9319 UNIV OF MARYLAND - COLL PARK 5186
AN INTEGRATED FOREST MONITORING SYSTEM FOR CENTRAL ASIA
03/22/2000 - 03/31/2003 FY02: $0 Total: $201,720
Prin. Invest.: N LAPORTE
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9329 UNIV OF MARYLAND - COLL PARK 5187
INTER-ANNUAL LAND SURFACE VARIATION
03/24/2000 - 04/30/2003 FY02: $0 Total: $382,505
Prin. Invest.: S D PRINCE
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9337 UNIV OF MARYLAND - COLL PARK 5188
IMPROVEMENTS IN LANDSAT PATHFINDER METHODS FOR MON ITORING TROPICAL DEFORESTATION & THEIR EXTENSION
03/27/2000 - 04/30/2003 FY02: $0 Total: $291,348
Prin. Invest.: J R TOWNSHEND
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9338 UNIV OF MARYLAND - COLL PARK 5189
MONITORING FOREST DYNAMICS IN NORTHEASTEN CHINA IN SUPPORT OF GOFC
03/31/2000 - 04/30/2003 FY02: $0 Total: $176,441
Prin. Invest.: G SUN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9339 UNIV OF MARYLAND - COLL PARK 5190
TOWARDS METHODOLOGIES FOR GLOBAL MONITORING OF FOR EST COVER CHARACTERISTICSWITH COARSE
03/31/2000 - 04/30/2003 FY02: $0 Total: $191,624
Prin. Invest.: R DEFRIES
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9411 UNIV OF MARYLAND - COLL PARK 5191
UNDERSTANDING WATER, ENERGY AND CLIMATE: A GEWEX GLOBAL WATER & ENERGY BIDGET PATHFINDER DATA SET
04/10/2000 - 04/30/2003 FY02: $0 Total: $78,333
Prin. Invest.: R DUBAYAH
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9440 UNIV OF MARYLAND - COLL PARK 5192
CONTRIBUTION OF EMISSIONS FROM BOREAL FOREST FIRES
04/13/2000 - 04/30/2003 FY02: $0 Total: $398,951
Prin. Invest.: K KASISCHKE
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9447 UNIV OF MARYLAND - COLL PARK 5193
TERRESTRIAL HYDROLOGY & CLIMATE STUDIES USING EOS- ERA DATA
04/12/2000 - 04/14/2003 FY02: $0 Total: $151,972
Prin. Invest.: R DUBAYAH
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9560 UNIV OF MARYLAND - COLL PARK 5194
2000 ASEE-NASA SUMMER FACULTY FELLOWSHIP PROGRAM (AERONAUTICS AND SPACE RESEARCH)
05/09/2000 - 09/14/2001 FY02: $0 Total: $309,000
Prin. Invest.: M GAVRILAS
Tech. Officer: GSFC/M S BURRELL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9575 UNIV OF MARYLAND - COLL PARK 5195
THE PHYSICAL & CHEMICAL STRUCTURE OF CIRCUMSTELLAR DISKS & ENVELOPES
05/10/2000 - 04/30/2001 FY02: $0 Total: $40,000
Prin. Invest.: L MUNDY
Tech. Officer: GSFC/J BOYCE
CASE Category: 13 – PHYSICS

NAG 5 9620 UNIV OF MARYLAND - COLL PARK 5196
A GLOBAL NETWORK OF SITES FOR ASSESSING BIOGEOCHEM ICAL & BIOPHYSICAL CONSEQUENCES OF LAND COVER DIS
05/18/2000 - 05/14/2003 FY02: $0 Total: $231,709
Prin. Invest.: R DEFRIES
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9632 UNIV OF MARYLAND - COLL PARK 5197
INVESTIGATIONS OF THE TROPICAL TROPOPAUSE REGION
06/07/2000 - 05/31/2003 FY02: $0 Total: $202,968
Prin. Invest.: A DESSLER
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9634 UNIV OF MARYLAND - COLL PARK 5198
IMPROVED GLOBAL SCALE MODELS FOR SURFACE RADIATION BUDGETS
05/26/2000 - 04/30/2003 FY02: $0 Total: $239,000
Prin. Invest.: R T PINKER
Tech. Officer: GSFC/R CURAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9672 UNIV OF MARYLAND - COLL PARK 5199
TROPOSPHERIC CONVECTION & STRATOSPHERE-TROPOSPHERE EXCHANGE: EFFECTS ON PHOTOCHEMISTRY, AEROSOLS
06/12/2000 - 05/31/2003 FY02: $0 Total: $435,801
Prin. Invest.: K E PICKERING
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9750 UNIV OF MARYLAND - COLL PARK 5200
"WIDE-FIELD IMAGING INTERFEROMETRY"
07/20/2000 - 07/31/2003 FY02: $0 Total: $37,460
Prin. Invest.: L G MUNDY
Tech. Officer: GSFC/D LEISAWITZ
CASE Category: 11 – ASTRONOMY

NAG 5 9756 UNIV OF MARYLAND - COLL PARK 5201
PERIODIC, QUASI-PERIODIC, AND BURSTING BEHAVIOR OF NEUTRON STAR X-RAY SOURCES
06/28/2000 - 06/30/2002 FY02: $0 Total: $40,020
Prin. Invest.: M MILLER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9793 UNIV OF MARYLAND - COLL PARK 5202
SUPRATHERMAL THROUGH ENERGETIC PARTICLE DETECTOR (STEP) SUBSYSTEM OF THEEPACT EXPERIMENT ON THE WIN
07/27/2000 - 01/31/2002 FY02: $0 Total: $62,000
Prin. Invest.: G M MASON
Tech. Officer: GSFC/T VONROSENVINGE
CASE Category: 11 – ASTRONOMY

NAG 5 9809 UNIV OF MARYLAND - COLL PARK 5203
STUDY OF LAND-ATMOSPHERE INTERACTIONS USING SATEL- LITE DATA ASSIMILATION
07/18/2000 - 01/31/2003 FY02: $0 Total: $46,561
Prin. Invest.: R DUBAYAH
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9827 UNIV OF MARYLAND - COLL PARK 5204
VARIABILITY ASSESSMENT OF TMI SNAPSHOTS & QUALITY CONTROLLING N-SENSOR DATA.
08/23/2000 - 08/31/2001 FY02: $0 Total: $30,000
Prin. Invest.: B KEDEM
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9890 UNIV OF MARYLAND - COLL PARK 5205
RAREFIED FLOW AERODYNAMICS FOR STABILITY & CONTROL OF FORMATION-FLYINGSATELLITES
08/23/2000 - 08/31/2003 FY02: $0 Total: $150,000
Prin. Invest.: M J LEWIS
Tech. Officer: GSFC/M CONCHA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9892 UNIV OF MARYLAND - COLL PARK 5206
NASA-CENTRAL AFRICAN REGIONAL PROGRAM FOR THE ENVI RONMENT (CARPE) ACTIVITY
08/24/2000 - 08/31/2002 FY02: $0 Total: $80,000
Prin. Invest.: C O JUSTICE
Tech. Officer: GSFC/C J TUCKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9893 UNIV OF MARYLAND - COLL PARK 5207
CARPE FOREST COVER & INFORMATION SYSTEM - REVISED
08/29/2000 - 08/31/2001 FY02: $0 Total: $205,306
Prin. Invest.: C O JUSTICE
Tech. Officer: GSFC/C J TUCKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9916 UNIV OF MARYLAND - COLL PARK 5208
REPROCESSING OF GOES NOAA/NESDIS SURFACE RADIATION BUDGET PRODUCTS FOR GCIP
09/01/2000 - 08/31/2003 FY02: $200,000 Total: $300,000
Prin. Invest.: R T PINKER
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9935 UNIV OF MARYLAND - COLL PARK 5209
X-RAY PERIODOCOTY & THE BROAD IRON K LINE IN IRAS 18325-5926
09/06/2000 - 09/14/2002 FY02: $0 Total: $10,500
Prin. Invest.: A J YOUNG
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9961 UNIV OF MARYLAND - COLL PARK 5210
PRECISION RIGID BODY CONTROL OF A SATELLITE CONSTE LLATION.
09/20/2000 - 09/30/2001 FY02: $0 Total: $70,000
Prin. Invest.: E M ATKINS
Tech. Officer: GSFC/T STENGLE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10090 UNIV OF MARYLAND - COLL PARK 5211
COMPARISON OF THE RADIATIVE & PHYSIOLOGICAL EFFECT OF DOUBLED C02 ON THE GLOBAL CLIMATE & THE
11/29/2000 - 12/31/2003 FY02: $0 Total: $82,803
Prin. Invest.: L BOUNOUA
Tech. Officer: GSFC/G J COLLATZ
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10097 UNIV OF MARYLAND - COLL PARK 5212
INTEGRATING RADAR DATA WITH OTHER SATELLITE IMAGERGY TO ESTI-MATE NET PRIMARYPRODUCTIVITY IN
11/20/2000 - 10/31/2002 FY02: $0 Total: $141,700
Prin. Invest.: E KASISCHKE
Tech. Officer: GSFC/K PARTINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10126 UNIV OF MARYLAND - COLL PARK 5213
RECENT ADVANCES IN REMOTE SENSING OF BIOPHYSICAL VARIABLES
12/11/2000 - 12/14/2002 FY02: $0 Total: $5,920
Prin. Invest.: S GOETZ
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10175 UNIV OF MARYLAND - COLL PARK 5214
MILLIMETER OBSERVATIONS OF MEV-ENERGY ELECTRONS IN CONJUNC-TION WITH THE HESSI MISSION
12/18/2000 - 12/31/2002 FY02: $0 Total: $68,900
Prin. Invest.: S WHITE
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10179 UNIV OF MARYLAND - COLL PARK 5215
MICROWAVE EMISSION DEPTH IN FIRN AND LONG-TERM ACC UMULATION RATES FROM INTERNAL LAYER DISTRIBUTION
01/10/2001 - 02/28/2003 FY02: $0 Total: $111,438
Prin. Invest.: M FAHNESTOCK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10180 UNIV OF MARYLAND - COLL PARK 5216
SOLAR FLARE PHYSICS
01/11/2001 - 01/14/2006 FY02: $0 Total: $113,888
Prin. Invest.: E J SCHUMAHL
Tech. Officer: GSFC/B DENNIS
CASE Category: 11 – ASTRONOMY

NAG 5 10235 UNIV OF MARYLAND - COLL PARK 5217
NASA/UMD: MONITORING THE STATE OF THE RAINFOREST IN THE REPUBLIC DEMOCRATIC OF THE CONGO
02/05/2001 - 02/14/2003 FY02: $0 Total: $45,291
Prin. Invest.: C J TUCKER
Tech. Officer: GSFC/C J TUCKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10298 UNIV OF MARYLAND - COLL PARK 5218
NONLOCAL KINETIC ANALYSIS OF MAGNETOTAIL THIN CURR ENT SHEET STRUCTURE & DYNAMICS DURING SUBSTORMS
01/24/2001 - 01/31/2004 FY02: $0 Total: $82,323
Prin. Invest.: S SHARMA
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10388 UNIV OF MARYLAND - COLL PARK 5219
IMPROVED SIBERIAN LANDSCAPE MAPPING USING SRTM AND VCL DATA
02/08/2001 - 02/14/2003 FY02: $0 Total: $25,000
Prin. Invest.: G SUN
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10425 UNIV OF MARYLAND - COLL PARK 5220
ISOTOPIC & GEOCHEMICAL INVESTIGATIONS OF METEORITES
02/15/2001 - 07/31/2004 FY02: $0 Total: $75,000
Prin. Invest.: R WALKER
Tech. Officer: GSFC/J M BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10502 UNIV OF MARYLAND - COLL PARK 5221
NANOTECHNOLOGY OPTICS FOR INFRARED ASTRONOMY
02/28/2001 - 05/31/2002 FY02: $0 Total: $11,775
Prin. Invest.: L G MUNDY
Tech. Officer: GSFC/M M FREUND
CASE Category: 11 – ASTRONOMY

NAG 5 10527 UNIV OF MARYLAND - COLL PARK 5222
SATELLITE MAPPING OF THE AFRICAN & ASIAN ARID & SEMI-ARID BOUNDARIES
03/09/2001 - 09/14/2002 FY02: $0 Total: $75,636
Prin. Invest.: D R TOWNSEND
Tech. Officer: GSFC/C J TUCKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10540 UNIV OF MARYLAND - COLL PARK 5223
MISSION OPERATIONS & DATA ANALYSIS FOR THE SOLAR WIND & SUPRATHERMAL ION COMPOSITION INVESTIGATION
03/22/2001 - 03/14/2002 FY02: $0 Total: $175,000
Prin. Invest.: G GLOEKLER
Tech. Officer: GSFC/M ACUNA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10563 UNIV OF MARYLAND - COLL PARK 5224
AUTOMATION OF SAMPEX ORBIT DETERMINATION
03/19/2001 - 09/14/2002 FY02: $0 Total: $50,000
Prin. Invest.: B SHAPIRO
Tech. Officer: GSFC/J TOTH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10585 UNIV OF MARYLAND - COLL PARK 5225
CHAPMAN CONFERENCE ON STORM -SUBSTORMS RELATION SHIPS: TRAVEL GRANT
03/13/2001 - 01/14/2002 FY02: $0 Total: $10,000
Prin. Invest.: A S SHARMA
Tech. Officer: GSFC/M GUHATHAKURTA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10596 UNIV OF MARYLAND - COLL PARK 5226
NEW ISTP THEORY GRANT
03/16/2001 - 03/31/2002 FY02: $0 Total: $300,000
Prin. Invest.: K PAPADOPOULIS
Tech. Officer: GSFC/S CURTIS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10611 UNIV OF MARYLAND - COLL PARK 5227
THE STRUCTURE OF YOUNG STELLAR SYSTEMS: ESTABLISH ING THE INITIAL CONDITIONS FOR PLANET FORMA
03/17/2001 - 03/31/2004 FY02: $0 Total: $45,000
Prin. Invest.: L MUNDY
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10626 UNIV OF MARYLAND - COLL PARK 5228
ADVANCED MHD MODELS FOR SOLAR WIND TURBULENCE
03/22/2001 - 03/31/2004 FY02: $0 Total: $153,474
Prin. Invest.: A DEANE
Tech. Officer: GSFC/D GOLDSTEIN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10746 UNIV OF MARYLAND - COLL PARK 5229
SEA ICE VARIABILITY, TRENDS AND CLIMATE CHANGE
04/17/2001 - 04/30/2004 FY02: $0 Total: $65,000
Prin. Invest.: K Y VINNIKOV
Tech. Officer: GSFC/D CAVALIERI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10751 UNIV OF MARYLAND - COLL PARK 5230
WITS: THE WEB INFRARED TOOLSHED.
04/13/2001 - 04/14/2004 FY02: $0 Total: $60,000
Prin. Invest.: M G WOLFIRE
Tech. Officer: GSFC/P E HUNTER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10810 UNIV OF MARYLAND - COLL PARK 5231
RADIO & PLASMA WAVES ASSOCIATED WITH CORONAL MASS EJECTIONS
04/30/2001 - 04/30/2002 FY02: $0 Total: $20,000
Prin. Invest.: T GOLLA
Tech. Officer: GSFC/W J WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 10819 UNIV OF MARYLAND - COLL PARK 5232
APPLICATIONS IN DEPLOYMENT DYNAMICS AND CONTROL
04/24/2001 - 09/30/2001 FY02: $0 Total: $40,000
Prin. Invest.: P KRISHNAPRASAD
Tech. Officer: GSFC/D FOLTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10858 UNIV OF MARYLAND - COLL PARK 5233
LAND COVER LAND USE CHANGE PROJECT SCIENTIST SUPPORT
05/03/2001 - 04/30/2004 FY02: $0 Total: $197,665
Prin. Invest.: C JUSTICE
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10859 UNIV OF MARYLAND - COLL PARK 5234
INTER-COMPARISON OF GLOBAL SCALE ECOLOGICAL MODELS
05/02/2001 - 07/31/2002 FY02: $0 Total: $67,000
Prin. Invest.: S PRINCE
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10882 UNIV OF MARYLAND - COLL PARK 5235
PREDICTION OF THE THREE DIMENSIONAL STRUCTURE OF THE SOLAR WIND AT THE EARTH FROM L1 ORBIT
05/03/2001 - 04/30/2003 FY02: $0 Total: $98,686
Prin. Invest.: C S GOODRICH
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10895 UNIV OF MARYLAND - COLL PARK 5236
TOWARDS UNDERSTANDING STARBURST GALAXIES AT LOW & HIGH REDSHIFT (FUSE 2000)
05/14/2001 - 05/31/2003 FY02: $0 Total: $36,000
Prin. Invest.: T LANZ
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10898 UNIV OF MARYLAND - COLL PARK 5237
DEVELOPMENT OF ALGORITHMS FOR MONITORING & MAPPING FIRE BURNED AREAS OF NORTH AMERICA'S BOREAL & TEM
05/22/2001 - 04/30/2003 FY02: $0 Total: $88,718
Prin. Invest.: L ZHANQUING
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10929 UNIV OF MARYLAND - COLL PARK 5238
SOLAR ULTRAVIOLET RADIATION AND THE ORIGIN OF LIFE ON EARTH (FUSE 2000)
05/14/2001 - 05/31/2003 FY02: $0 Total: $35,000
Prin. Invest.: T LANZ
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10958 UNIV OF MARYLAND - COLL PARK 5239
ANALYSIS OF SOLAR WIND DATA FROM MTOFON SOHO & SWE ON WIND
05/30/2001 - 12/31/2002 FY02: $0 Total: $25,703
Prin. Invest.: M COPLAN
Tech. Officer: GSFC/K OGILVIE
CASE Category: 13 – PHYSICS

NAG 5 10959 UNIV OF MARYLAND - COLL PARK 5240
IMPROVING HURRICANE FORECASTS THROUGH 3D RETRIEVAL & 4D VAR ASSIMILATION IN THE GEOS DATA SYSTEM ASS
06/04/2001 - 06/14/2004 FY02: $0 Total: $100,000
Prin. Invest.: D ZHANG
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10981 UNIV OF MARYLAND - COLL PARK 5241
INTRASEASONAL VARIABILITY IN THE INDIAN OCEAN
05/31/2001 - 06/30/2004 FY02: $0 Total: $30,000
Prin. Invest.: R MURTUGUDDE
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11054 UNIV OF MARYLAND - COLL PARK 5242
STUDIES OF THE SOLAR MODULATION OF GALACTIC AND ANOMALOUS COSMIC RAYS INTHE HELIOSPHERE
06/20/2001 - 06/14/2004 FY02: $0 Total: $70,000
Prin. Invest.: F B MCDONALD
Tech. Officer: GSFC/W J WAGNER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11091 UNIV OF MARYLAND - COLL PARK 5243
THE PROPAGATION OF HIGH-ENERGY COSMIC RAYS IN THE GALAXY
07/06/2001 - 07/14/2004 FY02: $0 Total: $50,000
Prin. Invest.: F B MCDONALD
Tech. Officer: GSFC/F C JONES
CASE Category: 11 – ASTRONOMY

NAG 5 11149 UNIV OF MARYLAND - COLL PARK 5244
SPATIAL PREDICTIVE MODELING AND REMOTE SENSING OF LAND USE CHANGE IN THE CHESAPEAKE BAY WATERSHED
07/26/2001 - 08/14/2004 FY02: $0 Total: $76,666
Prin. Invest.: N BOCKSTAEL
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 11151 UNIV OF MARYLAND - COLL PARK 5245
GLOBAL 3D MODEL STUDIES OF POLAR PROCESSES & RADI ONUCLIDES WITH APPLICATIONTO THE GLOBAL
07/27/2001 - 07/31/2004 FY02: $0 Total: $77,909
Prin. Invest.: K PICKERING
Tech. Officer: GSFC/P DE COLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11161 UNIV OF MARYLAND - COLL PARK 5246
LAND USE LAND CHANGE AROUND PROTECTED AREAS IN LCL UC SITES: SYNTHESIS OF RATES, CONSEQUENCES FOR
08/08/2001 - 08/14/2004 FY02: $0 Total: $25,402
Prin. Invest.: R DEFRIES
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 11246 UNIV OF MARYLAND - COLL PARK 5247
EVALUATION OF ASIAN OUTFLOW USING A STRETCHED GRID CTM
08/16/2001 - 08/14/2004 FY02: $0 Total: $50,343
Prin. Invest.: D ALLEN
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11247 UNIV OF MARYLAND - COLL PARK 5248
TRENDS IN TOTAL AND PROFILE OZONE SORTED BY METEOR OLOGICAL REGIMES
08/16/2001 - 08/14/2004 FY02: $0 Total: $99,999
Prin. Invest.: R HUDSON
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11251 UNIV OF MARYLAND - COLL PARK 5249
BURNED AREA MAPPING IN SOUTHERN AFRICA: CASE STUDY SYNTHESIS AND REGIONAL APPLICATION OF MOD
08/20/2001 - 08/14/2004 FY02: $0 Total: $131,572
Prin. Invest.: D ROY
Tech. Officer: GSFC/G GUTMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11252 UNIV OF MARYLAND - COLL PARK 5250
BEYOND POTENTIAL VEGETATION: IMPROVING MODEL CARBO N PROJECTIONS OF THE LAND SURFACE USING LUDAR RE
08/20/2001 - 08/14/2004 FY02: $0 Total: $78,629
Prin. Invest.: R DUBAYAH
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11274 UNIV OF MARYLAND - COLL PARK 5251
MOORING BASED OPTICAM MEASUREMENTS IN THE TROPICAL ATLANTIC OCEAN
08/22/2001 - 08/31/2002 FY02: $0 Total: $60,522
Prin. Invest.: A SUBRAMANIAN
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11276 UNIV OF MARYLAND - COLL PARK 5252
REPRESENTATION IN THE GMI MODEL AND EFFECTS ON CHE MISTRY AND CLIMATE
08/22/2001 - 08/31/2004 FY02: $0 Total: $54,842
Prin. Invest.: K PICKERING
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11291 UNIV OF MARYLAND - COLL PARK 5253
AN INVESTIGATION OF THE INDO-PACIFIC CLIMATE IN TH E NSIPP COUPLED CLIMATE SYSTEM
08/22/2001 - 08/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: R WAJSOWICZ
Tech. Officer: GSFC/M RIENECKER
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11306 UNIV OF MARYLAND - COLL PARK 5254
GLOBAL FOREST COVER ASSESSMENT
08/31/2001 - 08/31/2003 FY02: $0 Total: $240,266
Prin. Invest.: J TOWNSHEND
Tech. Officer: GSFC/G GUTMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11313 UNIV OF MARYLAND - COLL PARK 5255
OPTIMAL PLANNING & CONTROL OF A VIRTUAL RIGID BODY SATELLITE CONSTELLATION.
09/05/2001 - 09/14/2002 FY02: $0 Total: $82,630
Prin. Invest.: R SANNER
Tech. Officer: GSFC/S STRARIN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11399 UNIV OF MARYLAND - COLL PARK 5256
BIODIVERSITY SURVEY OF GODDARD SPACE FLIGHT CENTER
11/27/2001 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: L W ADAMS
Tech. Officer: GSFC/D E SQUIBB
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 5 11468 UNIV OF MARYLAND - COLL PARK 5257
INFRARED OBSERVATIONS OF COMETARY DUST AND NUCLEI
12/10/2001 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: C M LISSE
Tech. Officer: GSFC/J J HILMAN
CASE Category: 11 – ASTRONOMY

NAG 5 11523 UNIV OF MARYLAND - COLL PARK 5258
CONTEMPORANEOUS XMM AND HST OBSERVATIONS OF SEYFER T GALAXIES
01/08/2002 - 11/14/2003 FY02: $0 Total: $0
Prin. Invest.: C S REYNOLDS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11544 UNIV OF MARYLAND - COLL PARK 5259
OXYGEN ISOTOPE STUDY OF CARBONATE AND SULFATE IN CARBONACEOUS CHONDRITES
01/04/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: J FARGUHAR
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11577 UNIV OF MARYLAND - COLL PARK 5260
"CLIMATE STUDIES ON VARIABILITY AND PREDICTABILITY OF WATER AND ENERGY CYCLES USING A VARIABLE RES
01/16/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: E BERBERY
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11600 UNIV OF MARYLAND - COLL PARK 5261
FRESH WATER FLUXES OF THE OB' RIVER, RUSSIA: CONTR IBUTION OF SNOWPACK IN COMPLEX TERRAIN.
01/28/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: K L BRUBAKER
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11654 UNIV OF MARYLAND - COLL PARK 5262
GLOBAL EARTHQUAKE SATELLITE SYSTEM REQUIREMENTS DE RIVED FROM A SUITE OF SCIENTIFIC OBSERVATIONAL AN
02/01/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: M HOFTON
Tech. Officer: GSFC/B F CHAO
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11672 UNIV OF MARYLAND - COLL PARK 5263
CARPE FOREST COVER AND INFORMATION SYSTEM
01/30/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: C JUSTICE
Tech. Officer: GSFC/C J TUCKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11693 UNIV OF MARYLAND - COLL PARK 5264
ANALYSIS OF ISTP EVENTS FOR STRONG GEOMAGNETIC ACT IVITY
02/12/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: K PAPADOPOLOUS
Tech. Officer: GSFC/S A CURTIS
CASE Category: 13 – PHYSICS

NAG 5 11698 UNIV OF MARYLAND - COLL PARK 5265
COUPLING SATELLITE REMOTE SENSING & UNSTEADY FLOW MODELING FOR DISCHARGEESTIMATION.
02/12/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: C BIRKETT
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11699 UNIV OF MARYLAND - COLL PARK 5266
EFFECTS OF FRESHWATER FORCING ON SEASONAL-TO-INTER ANNUAL VARIABILITY OF TROPICAL OCEANS AND ECOSYST
02/12/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: C BIRKETT
Tech. Officer: GSFC/A J BUSSALACCHI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11700 UNIV OF MARYLAND - COLL PARK 5267
FLOODS AND DROUGHTS IN AFRICA: RELATION TO SHORT- TERM CLIMATE VARIABILITY.
02/12/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: C M BIRKETT
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11722 UNIV OF MARYLAND - COLL PARK 5268
RUBBLE PILE DYNAMICS
02/11/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: D C RICHARDSON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11767 UNIV OF MARYLAND - COLL PARK 5269
MAGNETOHYDRODYNAMICS OF DUSTY PROTOSTELLAR DISKS
02/21/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: J M STONE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11786 UNIV OF MARYLAND - COLL PARK 5270
BIOMASS BURNING EMISSIONS WORKSHOP
02/22/2002 - 02/28/2004 FY02: $0 Total: $0
Prin. Invest.: E KASISCHKE
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11812 UNIV OF MARYLAND - COLL PARK 5271
MISSION OPERATIONS AND DATA ANALYSIS (MO&DA PHASE) FOR THE SOLAR WIND AND SUPRATHERMAL ION COMPOSION
02/28/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: G GLOECKLER
Tech. Officer: GSFC/K OGILVIE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11854 UNIV OF MARYLAND - COLL PARK 5272
STEPS TOWARD AN ULTRAVIOLET/OPTICAL FIZEAU INTERFE ROMETER
03/28/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: L MUNDY
Tech. Officer: GSFC/K CARPENTER
CASE Category: 11 – ASTRONOMY

NAG 5 11872 UNIV OF MARYLAND - COLL PARK 5273
RESEARCH IN SOLAR RADIO ASTRONOMY AT SHORT WAVELEN GTHS
03/15/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: M R KUNDU
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 11939 UNIV OF MARYLAND - COLL PARK 5274
ALTIMETRIC REMOTE SENSING OF THE AMAZON: CONTRIBU TION TO SURFACE WATER DYNAMICS
03/28/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: C BIRKETT
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11952 UNIV OF MARYLAND - COLL PARK 5275
EVALUATION OF SOFTWARE ENGINEERING METHODOLOGIES
04/08/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: D SMIDTS
Tech. Officer: GSFC/L H ROSENBERG
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11956 UNIV OF MARYLAND - COLL PARK 5276
CHEMICAL TRACER TRANSPORT IN CRYSTAL-FACE: MESOSCA LE FORE-CASTS AND CLOUD MODEL ANALYSIS
03/29/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: K PICKERING
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11994 UNIV OF MARYLAND - COLL PARK 5277
COMPUTATIONAL FRAMEWORK FOR LWS.
05/30/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: C C GOODRICH
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12011 UNIV OF MARYLAND - COLL PARK 5278
"ELECTROMECHANICAL CHARACTERIZATION OF MEMS MATERALS AT CRYOGENIC TEMPERATURE"
04/16/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: R GHODSSI
Tech. Officer: GSFC/T T KING
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 12063 UNIV OF MARYLAND - COLL PARK 5279
DATA ANALYSIS, SCIENTIFIC INTERPRETATION, AND MISS ION OPERATIONS FOR SOHO/CELIAS
05/07/2002 - 05/14/2004 FY02: $0 Total: $0
Prin. Invest.: F M IPAVICH
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 12073 UNIV OF MARYLAND - COLL PARK 5280
INVESTIGATION OF DEEP CUMULUS FORMATION DURING CRY STAL
04/23/2002 - 04/14/2004 FY02: $0 Total: $0
Prin. Invest.: A DESSLER
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12112 UNIV OF MARYLAND - COLL PARK 5281
LARGE AREA LIDAR REMOTE SENSING OF VEGETATION HEIG HT, VERTI-CIAL STRUCTURE, AND BIOMASS IN T
04/30/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: M HOFTON
Tech. Officer: GSFC/S B LUTHCKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12130 UNIV OF MARYLAND - COLL PARK 5282
THE CONTRIBUTION OF SATELLITE RADAR ALTIMETRY TO T HE DETERMINATION OF R IVER DISCHARGE AND LAKE/RES
04/30/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: C BIRKETT
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12136 UNIV OF MARYLAND - COLL PARK 5283
2002 ASEE-NASA SUMMER FACULTY FELLOWSHIP PROGRAM (AERONAUTICS AND SPACE RESEARCH)
05/01/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: M GAVRILAS
Tech. Officer: GSFC/M S BURRELL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12149 UNIV OF MARYLAND - COLL PARK 5284
BIOMASS BURNING OVER NORTH AMERICA
05/10/2002 - 05/15/2003 FY02: $0 Total: $0
Prin. Invest.: I CSISZAR
Tech. Officer: GSFC/G GUTMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12175 UNIV OF MARYLAND - COLL PARK 5285
INTEGRATED NUMERICAL SIMULATION OF THE SOLAR-TERRE STRIAL ENVIRONMENT FORTHE LIVING WITH A STAR
05/13/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: C C GOODRICH
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12246 UNIV OF MARYLAND - COLL PARK 5286
STUDY OF THE CIRCULATIONS THAT CONNECT THE TROPICA L, SUBTROPICAL, ANDE SUBPOLAR REGIONS IN THE PAC
06/20/2002 - 06/14/2005 FY02: $0 Total: $0
Prin. Invest.: A BUSALACCHI
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12276 UNIV OF MARYLAND - COLL PARK 5287
MICROPHYSICS AND FLUID MODELING OF MAGNETOSPHERIC DYNAMICS
06/18/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: J DRAKE
Tech. Officer: GSFC/M HESSE
CASE Category: 13 – PHYSICS

NAG 5 12337 UNIV OF MARYLAND - COLL PARK 5288
EMPIRICAL ESTIMATES OF PROTEROZOIC CO2 LEVELS BY IN-SITU ION MICROPROBE CARBON ISOTOPE ANALYSIS OF
07/15/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: A KAUFMAN
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12350 UNIV OF MARYLAND - COLL PARK 5289
EXPERIMENTAL INVESTIGATION OF PHOTOCHEMICAL SULFUR ISOTOPE EFFECTS: APPLICATIONS TO EARTH'S EAR
07/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: J FARQUHAR
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12375 UNIV OF MARYLAND - COLL PARK 5290
MODELING OCEANIC AND COUPLED PROCESSES RELEVANT TO SEASONAL-TO- INTERANNUAL VARIABILITY
08/09/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: R C WAJSOWICZ
Tech. Officer: GSFC/M RIENECKER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12376 UNIV OF MARYLAND - COLL PARK 5291
ON THE ROLE OF OCEAN SALINITY VARIABILITY ON THE P RECONDITIONING OF MAJOR WARM EVENTS IN THE TR
07/15/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: R MURTUGUDDE
Tech. Officer: GSFC/S HAKKINEN
CASE Category: 33 – OCEANOGRAPHY

NAG 5 12383 UNIV OF MARYLAND - COLL PARK 5292
THE FORMATION MECHANISM OF HELIUM-RICH SUBDWARF B STARS
07/17/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: T LANZ
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12414 UNIV OF MARYLAND - COLL PARK 5293
SUPPORT, CHARACTERIZATION, ASSESSMENT, PORTOTYPING AND DISTRIBUTION OF GLOBAL LAND PRODUCTS FROM THE
08/02/2002 - 07/31/2007 FY02: $0 Total: $0
Prin. Invest.: D ROY
Tech. Officer: GSFC/E J MASUOKA
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NAG 5 12417 UNIV OF MARYLAND - COLL PARK 5294
DYNAMICAL DIAGNOSIS OF THE NSIPP ATMOSPHERIC SIMUL ATIONS AND PREDICTIONS
08/01/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: S NIGAM
Tech. Officer: GSFC/M RIENECKER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12464 UNIV OF MARYLAND - COLL PARK 5295
METHODOLOGIES AND TOOLS FOR SYNTHESIS AND MANAGEME NT OF NASA GLOBAL PRECIPITATION MEASUREMENT (
08/21/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: M AUSTIN
Tech. Officer: GSFC/D EVERETT
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 12480 UNIV OF MARYLAND - COLL PARK 5296
DBA AND DAB WHITE DWARFS (FUSE 2001)
08/21/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: T LANZ
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12494 UNIV OF MARYLAND - COLL PARK 5297
ESTABLISHING A SOFTWARE METRICS CAPABILITY OF NASA PAPAC PROJECTS
08/22/2002 - 10/14/2002 FY02: $0 Total: $0
Prin. Invest.: V BASILI
Tech. Officer: GSFC/K MCGILL
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 12499 UNIV OF MARYLAND - COLL PARK 5298
INVESTIGATION OF SURFACE CONTAMINATION CHEMISTRY O N OPTICAL COMPONENT SURFACE COATINGS
09/09/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: A CHRISTOU
Tech. Officer: GSFC/J ABSHIRE
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 12550 UNIV OF MARYLAND - COLL PARK 5299
OBSERVATION OF CALCIUM AND SEARCH FOR NEW SPECIES IN MERCURY'S ATMOSPHERE
09/06/2002 - 08/14/2004 FY02: $0 Total: $0
Prin. Invest.: R KILLEN
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12566 UNIV OF MARYLAND - COLL PARK 5300
ORIGINS OF THE ATMOSPHERES OF MERCURY AND THE MOON
09/11/2002 - 05/31/2004 FY02: $0 Total: $0
Prin. Invest.: R M KILLEN
Tech. Officer: GSFC/J HILLMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1440 UNIV OF MARYLAND - COLL PARK 5301
SEARCH FOR SPIN-MASS INTERACTION WITH A SUPER- CONDUCTING DIFFERENCIAL ANGULAR ACCELEROMETER
02/02/1998 - 12/31/2002 FY02: $0 Total: $401,000
Prin. Invest.: H J PAIK, M V MOODY
Tech. Officer: MSFC/J W POE
CASE Category: 13 – PHYSICS

NAG 8 1755 UNIV OF MARYLAND - COLL PARK 5302
STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS OF ACTIVE GALAXIES WITH THE ADVANCED X-RAY ASTROPH
01/16/2001 - 09/30/2002 FY02: $0 Total: $124,000
Prin. Invest.: A S WILSON
Tech. Officer: MSFC/M SMITH
CASE Category: 11 – ASTRONOMY

NAG 8 1762 UNIV OF MARYLAND - COLL PARK 5303
THEORY OF PHASE TRANSITIONS AND SIMULATIONS IN USPERFLUID HELIUM OF COSMOLOGICAL PHENOMENA
04/26/2001 - 02/01/2005 FY02: $0 Total: $84,166
Prin. Invest.: R FERRELL
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1180 UNIV OF MARYLAND - COLL PARK 5304
GRANT DEVELOPEMENT/TESTING OF MECH COUNTERSPRESSURE SPACE SUIT GLOVE
12/14/1999 - 12/31/2002 FY02: $0 Total: $293,000
Prin. Invest.: D L AKIN
Tech. Officer: JSC/B WOOLFORD
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1290 UNIV OF MARYLAND - COLL PARK 5305
RESEARCH IN SPACE & TELEROBOTICS
04/04/2001 - 03/31/2002 FY02: $0 Total: $500,000
Prin. Invest.: D AKIN
Tech. Officer: JSC/C CULBERT
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1920 UNIV OF MARYLAND - COLL PARK 5306
COMPUTER SIMULATIONS OF THE VARIABLE SPECIFIC IMPU LSE MAGNETOPLASMA ROCKET
06/23/2000 - 12/31/2001 FY02: $0 Total: $130,000
Prin. Invest.: R SAGDEEV
Tech. Officer: JSC/F R CHANG-DIAZ
CASE Category: 13 – PHYSICS

NAG13 02009 UNIV OF MARYLAND - COLL PARK 5307
THE USE OF SATELLITE OCEAN COLOR DATA FOR COASTAL WATER QUALITY MONITORING
12/10/2001 - 09/23/2004 FY02: $0 Total: $0
Prin. Invest.: A SUBRAMANIAM
Tech. Officer: SSC/G FLETCHERT
CASE Category: 33 – OCEANOGRAPHY

NAG13 02010 UNIV OF MARYLAND - COLL PARK 5308
REMOTE SENSING APPLICATIONS TO FOREST RESOURCE ASS ESSMENT
12/10/2001 - 09/16/2004 FY02: $0 Total: $0
Prin. Invest.: S J GOETZ
Tech. Officer: SSC/T M STANLEY
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 98001 UNIV OF MARYLAND - COLL PARK 5309
ENHANCING EARTH SYSTEM SCIENCES USING COMMERCIAL TERRESTRIAL REMOTE SENSING SYSTEMS
11/03/1997 - 02/24/2003 FY02: $0 Total: $797,015
Prin. Invest.: S GOWARD
Tech. Officer: SSC/J JENNER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99011 UNIV OF MARYLAND - COLL PARK 5310
MID ATLANTIC RESAC CONSORTIUM SAME
03/01/1999 - 02/28/2003 FY02: $0 Total: $1,730,000
Prin. Invest.: S D PRINCE
Tech. Officer: SSC/C HILL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 5 00192 UNIV OF MARYLAND - COLL PARK 5311
R & D TO SUPPORT GSFC'S SIMBIOS PROJECT
12/18/2000 - 11/30/2002 FY02: $0 Total: $260,821
Prin. Invest.: A SUBRAMANIUM
Tech. Officer: GSFC/C R MCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NAS 5 31365 UNIV OF MARYLAND - COLL PARK 5312
EOS EXECUTION PHASE
01/02/1992 - 06/14/2003 FY02: $0 Total: $4,464,390
Prin. Invest.: C JUSTICE
Tech. Officer: GSFC/H OSEROFF
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 96060 UNIV OF MARYLAND - COLL PARK 5313
DEFINITION PHASE ACTIVITIES ASSOCIATED WITH THE MODIS INSTRUMENT OF THE EOS
07/25/1996 - 06/14/2003 FY02: $0 Total: $1,891,000
Prin. Invest.: J TOWNSHEND
Tech. Officer: GSFC/D TOLL
CASE Category: 11 – ASTRONOMY

NAS 5 96062 UNIV OF MARYLAND - COLL PARK 5314
DEFINITION PHASE ACTIVITIES ASSOCIATED WITH MODIS INSTRUMENT OF THE EOS
07/02/1996 - 06/14/2003 FY02: $0 Total: $2,096,562
Prin. Invest.: E VERMONTE
Tech. Officer: GSFC/D TOLL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 97160 UNIV OF MARYLAND - COLL PARK 5315
VEGETATION CANOPY LIDAR MISSION FOR ESSP
05/15/1997 - 09/30/2002 FY02: $0 Total: $34,068,680
Prin. Invest.: R DUBAYAH
Tech. Officer: GSFC/J ROBINSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 99211 UNIV OF MARYLAND - COLL PARK 5316
AWARD - SAMPEX MISSION SUPPORT
08/27/1999 - 08/26/2003 FY02: $0 Total: $270,000
Prin. Invest.: W FOURNEY
Tech. Officer: GSFC/T STENGLE
CASE Category: 41 – AERONAUTICAL ENGNR

NASW 00004 UNIV OF MARYLAND - COLL PARK 5317
MESSENGER DISCOVERY PROJECTS (PI'S MANAGE PROJECT ORBIT & EXPLOR PLANET MERCURY PHASE B
03/14/2000 - 02/29/2004 FY02: $0 Total: $14,244,398
Prin. Invest.: M F A'HEARN
Tech. Officer: JPL/D JARRETT
CASE Category: 11 – ASTRONOMY

NASW 00028 UNIV OF MARYLAND - COLL PARK 5318
JOINT US/RUSSIAN RESEARCH SPACE SCIENCES (JURRISS) PROGRAM SUPPORT SERVICE/OPTION DATE 8/5/2002
12/06/2000 - 08/05/2002 FY02: $0 Total: $219,800
Prin. Invest.: L MUKHIN, R SAGDEEV
Tech. Officer: HQ/J BOYCE
CASE Category: 75 – POLICTICAL SCIENCE

NASW 02011 UNIV OF MARYLAND - COLL PARK 5319
KTR WILL PROVIDE SOFTWARE ENHANCEMENTS, DEVELOP TRNG MATERIALS & PRESENT WORKSHOPS ON SOFWARE
03/29/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: A MOSLEH
Tech. Officer: HQ/P BOELINER
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1129 UNIV OF MARYLAND - COLL PARK 5320
WAVERIDER-BASED REENTRY CONFIGURATIONS FOR THE SHA RP FLIGHT EXPERIMENT
07/13/1999 - 12/14/2001 FY02: $0 Total: $66,608
Prin. Invest.: M J LEWIS
Tech. Officer: ARC/P KOLODZIEJ, ARC/D J RASKY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1146 UNIV OF MARYLAND - COLL PARK 5321
EVLUATION OF METHODOLGY FOR TESTING AND ANALYSIS F OR ADVANCED ROTOR SYSTEMS
12/01/1999 - 03/31/2003 FY02: $0 Total: $296,025
Prin. Invest.: F HARRIS, I CHROPA, G PRICE
Tech. Officer: ARC/W WARMBRODT
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1303 UNIV OF MARYLAND - COLL PARK 5322
INTERSTELLAR ICES AND INTERSTELLAR POLYCYCLIC AROM ATIC HYDROCARBON ION NANOCLUSTERS
02/06/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: M GUDIPATI
Tech. Officer: ARC/L ALLAMANDOLA
CASE Category: 11 – ASTRONOMY

NCC 2 5348 UNIV OF MARYLAND - COLL PARK 5323
THE EVOLUTION OF DUST IN THE MULTIPHASE INTERSTELL AR MEDIUM
09/01/1999 - 09/14/2001 FY02: $0 Total: $33,199
Prin. Invest.: M G WOLFIRE
Tech. Officer: ARC/D J HOLLENBACH, ARC/R E YOUNG
CASE Category: 11 – ASTRONOMY

NCC 3 528 UNIV OF MARYLAND - COLL PARK 5324
CENTER FOR SATELLITE AND HYBRID COMMUNICATION NETW ORKS
01/30/1997 - 08/31/2002 FY02: $0 Total: $3,430,000
Prin. Invest.: J S BARAS
Tech. Officer: GRC/J W BAGWELL, GRC/K B BHASIN
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 686 UNIV OF MARYLAND - COLL PARK 5325
STUDIES ON THE BEHAVIOR OF HIGHLY PRE-HEATED AIR F LAMES IN MICROGRAVITY
03/11/1999 - 01/11/2003 FY02: $0 Total: $273,500
Prin. Invest.: A K GUPTA
Tech. Officer: GRC/D STOCKER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 783 UNIV OF MARYLAND - COLL PARK 5326
POOL BOILING HEAT TRANSFER MECHANISMS IN MICROGRAV ITY AND PARTIAL GRAVITY
03/13/2000 - 11/30/2003 FY02: $0 Total: $195,000
Prin. Invest.: J KIM
Tech. Officer: GRC/J B MCQUILLEN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 804 UNIV OF MARYLAND - COLL PARK 5327
FLAMMABILITY DIAGRAMS OF COMBUSTIBLE MATERIALS IN MICROGRAVITY
05/25/2000 - 04/30/2004 FY02: $0 Total: $129,092
Prin. Invest.: D L
Tech. Officer: GRC/H D ROSS
CASE Category: 46 – MECHANICAL ENGR

NCC 3 919 UNIV OF MARYLAND - COLL PARK 5328
TRANSITION FROM IGNITION TO FLAME GROWTH UNDER EXT ERNAL RADIATION IN D-D
09/27/2001 - 09/30/2005 FY02: $0 Total: $69,300
Prin. Invest.: T KASHIWAGI
Tech. Officer: GRC/S OLSON
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 989 UNIV OF MARYLAND - COLL PARK 5329
MARYLAND-MICHIGAN-WASHINGTON THIRD GENERATION REUS ABLE LAUNCH TECHNOLOGY INST (URETI)
08/19/2002 - 08/18/2007 FY02: $0 Total: $0
Prin. Invest.: D LEWIS
Tech. Officer: GRC/M HYATT
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 180 UNIV OF MARYLAND - COLL PARK 5330
THIS GRANT PROVIDES POST-DOC SUPPORT, FELLOWSHIPS, LABORATORY FOR HIGH ENERGY ASTROPHYSICS
02/06/1997 - 03/31/2002 FY02: $0 Total: $8,219,607
Prin. Invest.: J D TRASCO
Tech. Officer: GSFC/A HARDING
CASE Category: 11 – ASTRONOMY

NCC 5 190 UNIV OF MARYLAND - COLL PARK 5331
SUPPORT OF THE EARTH SYSTEM SCIENCE INTERDISCIPLIN
04/04/1997 - 03/31/2002 FY02: $0 Total: $600,000
Prin. Invest.: D TOWNSHEND
Tech. Officer: GSFC/R C HARRISS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 238 UNIV OF MARYLAND - COLL PARK 5332
COOPERATIVE RESEARCH AGREEMENT FOR SPACE LASER RES MD, A. JAMES CLARK SCHOOLOF ENGINEERING & NASA/G
09/18/1997 - 04/30/2002 FY02: $0 Total: $2,514,055
Prin. Invest.: D CHRISTOU
Tech. Officer: GSFC/R AFZAL
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 243 UNIV OF MARYLAND - COLL PARK 5333
RANGER TELEROBOTIC FLIGHT EXPERIMENT
11/03/1997 - 09/30/2002 FY02: $0 Total: $9,611,377
Prin. Invest.: D AKIN
Tech. Officer: GSFC/J PARRISH
CASE Category: 11 – ASTRONOMY

NCC 5 300 UNIV OF MARYLAND - COLL PARK 5334
A LANDCOVER EARTH SCIENCE INFORMATION PARTNERSHIP
04/21/1998 - 12/31/2002 FY02: $0 Total: $5,092,162
Prin. Invest.: J TOWNSENDE
Tech. Officer: GSFC/M MAIDEN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 353 UNIV OF MARYLAND - COLL PARK 5335
FUNDS ARE PROVIDED FOR THE GRANT PROPOSAL BY THE U NIVERSITY RESEARCH FOUNDATION FOR ENVIRONET TO
08/04/1998 - 12/31/2001 FY02: $0 Total: $298,556
Prin. Invest.: C F MARTIN
Tech. Officer: GSFC/H PARK
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 372 UNIV OF MARYLAND - COLL PARK 5336
COOPERATIVE RESEARCH IN SPACE SCIENCE WITH THE UNI VERSITY OF MARYLAND
12/22/1998 - 12/31/2001 FY02: $59,145 Total: $1,787,208
Prin. Invest.: J D TRASCO
Tech. Officer: GSFC/T KOSTIUK
CASE Category: 11 – ASTRONOMY

NCC 5 374 UNIV OF MARYLAND - COLL PARK 5337
EARTH SCIENCE INTER-DISCIPLINARY CENTER
01/20/1999 - 10/31/2002 FY02: $0 Total: $2,981,322
Prin. Invest.: M BROWN
Tech. Officer: GSFC/R HARTLE, GSFC/C COTE
CASE Category: 11 – ASTRONOMY

NCC 5 408 UNIV OF MARYLAND - COLL PARK 5338
PROTOTYPE IMPLEMENTATION OF A RESEARCH ENVIRONMENT FOR ADVANCED LANDSAT MONITORING (REALM)
05/17/1999 - 10/31/2002 FY02: $0 Total: $473,680
Prin. Invest.: S GOWARD
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NCC 5 417 UNIV OF MARYLAND - COLL PARK 5339
RANGER TELEROBOTICS FLIGHT EXPERIMENT
08/25/1999 - 08/30/2001 FY02: $0 Total: $3,645,192
Prin. Invest.: D L AKIN
Tech. Officer: GSFC/D LAVERY
CASE Category: 11 – ASTRONOMY

NCC 5 449 UNIV OF MARYLAND - COLL PARK 5340
A STUDY OF THE DEVELOPMENT OF REMOTE SENSING ALGORITHMS
02/08/2000 - 12/31/2002 FY02: $0 Total: $515,894
Prin. Invest.: D ROY
Tech. Officer: GSFC/E J MASUOKA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 462 UNIV OF MARYLAND - COLL PARK 5341
E0-1 VALIDATION AND EVALUATION FOR AGRICULTURAL MONITORING
02/29/2000 - 09/30/2003 FY02: $24,211 Total: $266,494
Prin. Invest.: S LIANG
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 464 UNIV OF MARYLAND - COLL PARK 5342
EVALUATION OF SOFTWARE ENGINEERING METHODOLOGIES
02/29/2000 - 11/14/2002 FY02: $0 Total: $633,539
Prin. Invest.: D R BASILI
Tech. Officer: GSFC/D E JAMISON
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 5 552 UNIV OF MARYLAND - COLL PARK 5343
SUMMER INST ON ATMOSPHERIC AND HYDROSPHERIC SCIENCES
04/24/2001 - 04/30/2004 FY02: $0 Total: $114,929
Prin. Invest.: F BAER
Tech. Officer: GSFC/R HARTLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 609 UNIV OF MARYLAND - COLL PARK 5344
COOPERATIVE RESEARCH IN SPACE SCIENCE WITH THE UNIV MARYLAND
12/19/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: J TRASCO
Tech. Officer: GSFC/T KOSTIUK
CASE Category: 13 – PHYSICS

NCC 5 640 UNIV OF MARYLAND - COLL PARK 5345
CENTER FOR HIGH ENERGY ASTROPHYSICS RESEARCH (CHEAR)
03/27/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: J TRASCO
Tech. Officer: GSFC/A HARDING
CASE Category: 11 – ASTRONOMY

NCC 5 648 UNIV OF MARYLAND - COLL PARK 5346
VALIDATION OF LANDSAT 7 LONG TERM ACQUISITION PLAN
06/19/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: S N GOWARD
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 650 UNIV OF MARYLAND - COLL PARK 5347
RAPID RESPONSE PATHFINDER FOR NATURAL HAZARDS
08/02/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: R A SOHLBERG
Tech. Officer: GSFC/E J MASUOKA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 8 235 UNIV OF MARYLAND - COLL PARK 5348
PROMOT COMMERICALLY FUNDED RESCH & TECH DEV IN THE FIELD OF SATELLITE & HYBRID COMMUNICATIONS NETWOR
01/14/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: J BARAS
Tech. Officer: MSFC/S LAMBING
CASE Category: 49 – ENGINEERING, OTHER

NCC 9 147 UNIV OF MARYLAND - COLL PARK 5349
MICROBIAL RESISTANCE TO SOLAR RADIATION
12/10/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: J DIRUGGIERO, J M DAVILA, F T ROBB
Tech. Officer: JSC/D RISIN
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NGT 2 52273 UNIV OF MARYLAND - COLL PARK 5350
CENTER FOR ROTORCRAFT EDUCATION & RESEARCH
01/09/2001 - 12/31/2002 FY02: $0 Total: $916,829
Prin. Invest.: CHOPRA
Tech. Officer: ARC/Y YU, ARC/A
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 3 52367 UNIV OF MARYLAND - COLL PARK 5351
SYNTHESIS OF MOLECULARLY DISPERSED CERAMIC POLYMER NANO-COMPOSITES
06/14/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: D C WILSON JR
Tech. Officer: GRC/F MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 99 UNIV OF MARYLAND - COLL PARK 5352
ESTIMATION OF TROPICAL FOREST ABOVEGROUND USING LARGE FOOT-PRINT LIDAR
08/20/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: R DUBAYAH, J DRAKE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 100 UNIV OF MARYLAND - COLL PARK 5353
GLOBAL CLIMATE CHANGE AND CHOLERA: MODELING OF CHO LERA OCCURRENCE IN SELECTED COASTAL AREAS USING S
08/23/1999 - 05/31/2003 FY02: $0 Total: $66,000
Prin. Invest.: E RUSSEK-COHEN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 107 UNIV OF MARYLAND - COLL PARK 5354
FEASIBILITY OF ATMOSPHERIC PENETRATION FOR SATELLI TE FORMA-TION FLYING EXPERIMENTS/STUDENT: JOS SCHU
06/07/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: D PINES
Tech. Officer: GSFC/G SOFFEN
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 116 UNIV OF MARYLAND - COLL PARK 5355
INVESTIGATION OF LIBRATION ORBITS IN THE EARTH-MOO N SYSTEM (STUDENT): RAQUEL JARABEK
06/04/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: D SHAPIRO
Tech. Officer: GSFC/M S BURRELL
CASE Category: 42 – ASTRONAUTICAL ENGR

NGT 5 30142 UNIV OF MARYLAND - COLL PARK 5356
THE EFFECT OF WARM TROPICAL ATLANTIC SST ON EARLY SEASON CARIBBEAN RAIN-FALL
08/27/1998 - 08/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: A VERNEKAR, TAYLOR
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30196 UNIV OF MARYLAND - COLL PARK 5357
TORNADOES: COHERENT FLOW STRUCTURES IN ATMOSPHERIC TURBU-LENCE
08/18/1999 - 02/28/2003 FY02: $0 Total: $66,000
Prin. Invest.: F BAER, NAWRI
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30377 UNIV OF MARYLAND - COLL PARK 5358
ANALYSIS OF MOPITT DATA FOR INVESTIGATION OF BOREA L FOREST FIRE EMISSIONS/EDWARD J. HYER
08/13/2001 - 08/31/2004 FY02: $0 Total: $21,989
Prin. Invest.: E KASISCHKE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30429 UNIV OF MARYLAND - COLL PARK 5359
MODELING AND MONITORING THE IMPACT OF LAND DEGRADA TION ON PRIMARY PRO- DUCTIVITY IN SOUTHERN AFRIC
08/15/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S D PRINCE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30441 UNIV OF MARYLAND - COLL PARK 5360
THE SPATIAL AND TEMPORAL DISTRIBUTION OF BIOMASS B URNING IN SOUTHERN AFRICA
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C JUSTICE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30450 UNIV OF MARYLAND - COLL PARK 5361
A NOVEL APPROACH TOWARDS GLOBAL AEROSOL CLIMATOLOG Y. STU-DENT: HONGQING LIU
08/19/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R PINKER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30459 UNIV OF MARYLAND - COLL PARK 5362
IMPACTS OF LAND COVER CHANGE ON WILDEBEEST MIGRATI ON AND ABUNDANCE IN THESERENGETI-MARA REGION (
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R DEFRIES
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50217 UNIV OF MARYLAND - COLL PARK 5363
CONVECTIVE EFFECTS ON TROPOSPHERIC OZONE CHEMISTRY STUDIED WITH A COUPLED CLOUD/CHEMISTRY MOD
09/15/1998 - 08/31/2001 FY02: $0 Total: $53,077
Prin. Invest.: K PICKERING
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 5328 UNIV OF MARYLAND - EASTERN SHORE 5364
RESEARCH PARTICIPATION IN AIRBORNE OCEANOGRAPHIC LIDAR ON LONG RANGE MISSIONS
03/19/2001 - 03/31/2003 FY02: $0 Total: $27,623
Prin. Invest.: D R LEVIN
Tech. Officer: GSFC/W B KRABILL
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9243 UNIV OF MARYLAND - EASTERN SHORE 5365
PRE-COLL ACTIVITIES FOR ENHANCING MINORITY PART ICIPATION IN ENGINEERING.
03/13/2000 - 03/14/2003 FY02: $0 Total: $194,773
Prin. Invest.: G SINGH
Tech. Officer: GSFC/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10122 UNIV OF MARYLAND - EASTERN SHORE 5366
MATHEMATICS, ENGINEERING, SCIENCE ENRICHMENT PRE- COLL PROGRAM
11/28/2000 - 11/30/2002 FY02: $0 Total: $50,000
Prin. Invest.: T DUBE
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11861 UNIV OF MARYLAND - EASTERN SHORE 5367
UMES/NASA COLLABORATIVE RESEARCH IN COMPUTATIONAL SCIENCES
03/14/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: I K DABIPI
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11897 UNIV OF MARYLAND - EASTERN SHORE 5368
UMES STUDENT INTERNSHIPS AT NASA WALLOPS: AN OUTREACH PROPOSAL
03/20/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: I K DABIPI
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 668 UNIV OF MARYLAND - EASTERN SHORE 5369
EASTERN SHORE MATHEMATICS TEACHER EDUCATION PROJECT
08/22/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: D SEATON
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 5339 UNIV OF MARYLAND BALTIMORE 5370
ASSIST GSFC CODE 972 DURING CAMEX-4 PROJECT A
07/12/2001 - 09/30/2001 FY02: $0 Total: $9,000
Prin. Invest.: W MCMILLAN
Tech. Officer: WFF/F SCHMIDLIN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1573 UNIV OF MARYLAND BALTIMORE 5371
IONS AND PROTEIN ASSOCIATION: AW AND PROTEIN CRYSTALS
01/19/1999 - 11/30/2002 FY02: $0 Total: $362,750
Prin. Invest.: K COLLINS
Tech. Officer: MSFC/B GUYNE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 5 544 UNIV OF MARYLAND BALTIMORE 5372
IDENTIFICATION FOR RISK FACTORS FOR CHILDHOOD ASTH MA.
03/22/2001 - 12/31/2002 FY02: $0 Total: $439,608
Prin. Invest.: D BLAISDELL
Tech. Officer: GSFC/J P GALLOWAY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 1 2022 UNIV OF MARYLAND BALTIMORE COUNTY 5373
A CLIMATOLOGY OF TROPOSPHERIC CO OVER THE CENTRAL AND SOUTHASTERN UNITED STATES AND THE SOUTHWESTERN
03/12/1998 - 03/11/2002 FY02: $0 Total: $234,120
Prin. Invest.: W W MCMILLAN, G MORRIS, L STROW
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6460 UNIV OF MARYLAND BALTIMORE COUNTY 5374
VALIDATION OF MOPITT COLUMN & PROFILE CO FROM SPAC EBORNE, AIRBORNE, & GROUND-BASED INTERFEROMETERS
10/14/1997 - 09/30/2002 FY02: $0 Total: $317,893
Prin. Invest.: W MCMILLAN
Tech. Officer: GSFC/D O STARR
CASE Category: 19 – PHYSICALSCIENCE, OTHER

NAG 5 6675 UNIV OF MARYLAND BALTIMORE COUNTY 5375
VALIDATION OF CLOUD OPTICAL DEPTHS RETRIEVED FROM EOS/MODIS DATA
12/01/1997 - 09/30/2002 FY02: $0 Total: $309,020
Prin. Invest.: A MARSHAK
Tech. Officer: GSFC/D O STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6681 UNIV OF MARYLAND BALTIMORE COUNTY 5376
ASSIMILATION OF WIND OBSERVATIONS FROM THE HIGH RE SOLUTION DOPPLER IMAGER
12/05/1997 - 11/30/2001 FY02: $0 Total: $430,241
Prin. Invest.: D TANGBORN
Tech. Officer: GSFC/C JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6996 UNIV OF MARYLAND BALTIMORE COUNTY 5377
A STUDY OF UNCERTAINTIES FOR MODIS CLOUD RETRIEVAL S OF OPTICAL THICKNESS AND EFFECTIVE RADIUS
02/06/1998 - 12/14/2001 FY02: $0 Total: $202,354
Prin. Invest.: D PLATNICK
Tech. Officer: GSFC/D STARR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7385 UNIV OF MARYLAND BALTIMORE COUNTY 5378
X-RAY SPECTROSCOPY OF ACTIVE GALACTIC NUCLEI: (LT SA)
05/15/1998 - 06/30/2003 FY02: $0 Total: $570,610
Prin. Invest.: T J TURNER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7563 UNIV OF MARYLAND BALTIMORE COUNTY 5379
MODELING OF SHORTWAVE RADIATION FIELDS USING ATMOS PHERIC RADIATION MEASUREMENTS (ARM) AND LANDSAT D
06/29/1998 - 06/30/2001 FY02: $0 Total: $275,720
Prin. Invest.: A MARSHAK
Tech. Officer: GSFC/W WISCOMBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7909 UNIV OF MARYLAND BALTIMORE COUNTY 5380
TRMM PRECIPITATION RADAR: DEVELOPMENT OF A RAIN RE TRIEVAL ALGORITHM USING GROUND VALIDATION DAT
12/08/1998 - 12/14/2002 FY02: $0 Total: $278,035
Prin. Invest.: E AMITAI
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8231 UNIV OF MARYLAND BALTIMORE COUNTY 5381
USE OF DATA FROM TRMM FIELD CAMPAIGNS IN IMPROVED INITIALIZATION AND VALIDATION OF HIGH RESOLUTION
03/03/1999 - 03/14/2002 FY02: $0 Total: $156,420
Prin. Invest.: B S FERRIER
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8379 UNIV OF MARYLAND BALTIMORE COUNTY 5382
VARIATIONAL ASSIMILATION OF TRMM-DERIVED PRECIPITA TION OBSERVATIONS FOR THE IMPROVEMENT OF NUMERICA
04/14/1999 - 04/14/2001 FY02: $0 Total: $50,393
Prin. Invest.: W S OLSON
Tech. Officer: GSFC/R W LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9054 UNIV OF MARYLAND BALTIMORE COUNTY 5383
INNOVATIVE ANALYSIS OF GRAVITY MAPPING MISSION DATA
02/10/2000 - 12/31/2001 FY02: $0 Total: $50,000
Prin. Invest.: E C PAVLIS
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9346 UNIV OF MARYLAND BALTIMORE COUNTY 5384
UNDERSTANDING TON S180? (ADP - 99)
03/31/2000 - 06/30/2001 FY02: $0 Total: $20,000
Prin. Invest.: T J TURNER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9588 UNIV OF MARYLAND BALTIMORE COUNTY 5385
LABORATORY QUANTITATIVE SPECTROSCOPY OF MOLECULES OF ATMOSPHERIC RELEVANCE
05/11/2000 - 12/31/2002 FY02: $0 Total: $128,630
Prin. Invest.: J M SIROTA
Tech. Officer: GSFC/M KURYLO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9645 UNIV OF MARYLAND BALTIMORE COUNTY 5386
A COMPARATIVE STUDY OF FOREST MAPPING METHODS AND ALGORITHMS: TOWARDS OPTIMAL SOLUTIONS FOR OPERATIO
06/12/2000 - 06/30/2003 FY02: $0 Total: $124,699
Prin. Invest.: Y SOHN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9698 UNIV OF MARYLAND BALTIMORE COUNTY 5387
IMPROVEMENT OF CONVECTIVE/STRATIFORM SEPARATION & LATENT HEATING PROFILE ESTIMATION FROM TRMM
07/21/2000 - 06/30/2003 FY02: $0 Total: $220,963
Prin. Invest.: W S OLSON
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9699 UNIV OF MARYLAND BALTIMORE COUNTY 5388
ORGANIZATION, STRUCTURE, AND EVOLUTION OF TROPICAL CONVECTIONS IN SOUTH CHINA SEA MONSOON AND THEIR
07/27/2000 - 05/31/2003 FY02: $0 Total: $126,667
Prin. Invest.: J WANG
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9707 UNIV OF MARYLAND BALTIMORE COUNTY 5389
US INDIA COLLABORATIVE RESEARCH ON ONSOON PREDICT ABILITY
06/16/2000 - 08/31/2003 FY02: $0 Total: $47,712
Prin. Invest.: A MEHTA
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9718 UNIV OF MARYLAND BALTIMORE COUNTY 5390
INVESTIGATIONS OF MARITIME & CONTINENTAL TROPICAL CONVECTIVE SYSTEMS USING DATA FROM TRMM FIELD E
06/19/2000 - 06/30/2003 FY02: $0 Total: $145,766
Prin. Invest.: J B HALVERSON
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9816 UNIV OF MARYLAND BALTIMORE COUNTY 5391
CLIMATOLOGY AND EVOLUTION OF CONVECTIVE SYSTEMS CO MBINING SURFACE RADAR &GEOSTATIONARY INFRARED SA
07/21/2000 - 07/31/2003 FY02: $0 Total: $118,750
Prin. Invest.: T M RICKENBACH
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9954 UNIV OF MARYLAND BALTIMORE COUNTY 5392
MYERHOFF SCHOLARSHIP PROGRAM
09/08/2000 - 09/14/2005 FY02: $0 Total: $200,000
Prin. Invest.: E B BAKER
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9995 UNIV OF MARYLAND BALTIMORE COUNTY 5393
A SPECTRAL STUDY OF A NEW CLASS OF RADIO QUASARS
09/20/2000 - 03/31/2002 FY02: $0 Total: $21,878
Prin. Invest.: E S PERLMAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9997 UNIV OF MARYLAND BALTIMORE COUNTY 5394
THE PHYSICS OF EXTRAGALACTIC RADIO/OPTICAL/X-RAY JETS
09/20/2000 - 03/14/2005 FY02: $0 Total: $101,603
Prin. Invest.: E S PERLMAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10024 UNIV OF MARYLAND BALTIMORE COUNTY 5395
DIAGNOSTICS OF THE ISM IN INTERMEDIATE REDSHIFT GALAXIES USING BACKGROUND BL LACS
09/27/2000 - 09/30/2002 FY02: $0 Total: $5,080
Prin. Invest.: E S PERLMAN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10086 UNIV OF MARYLAND BALTIMORE COUNTY 5396
THE X-RAY TEMPERATURE FUNCTION AND STRUCTURE OF CLUSTERS AT Z=0.6-1
11/07/2000 - 11/14/2002 FY02: $0 Total: $6,213
Prin. Invest.: E S PERLMAN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10109 UNIV OF MARYLAND BALTIMORE COUNTY 5397
HIGH RESOLUTION X-RAY PROPERTIES OF BL LACS: AN XMM SURVEY
01/26/2001 - 01/31/2003 FY02: $0 Total: $45,045
Prin. Invest.: E S PERLMAN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10206 UNIV OF MARYLAND BALTIMORE COUNTY 5398
QUANTITATIVE INFRARED SPECTROSCOPY FOR STUDIES OF BROWN DWARFS & EXTRASOLAR GIANT PLANETS
12/28/2000 - 12/31/2003 FY02: $0 Total: $30,000
Prin. Invest.: D STEVERT
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10347 UNIV OF MARYLAND BALTIMORE COUNTY 5399
VALIDATION OF CLOUD MODEL MICROPHYSICS & RAIN RATE ESTIMATION WITH HIGH-RESOLUTION MICROWAVE OBSERVA
02/01/2001 - 09/30/2002 FY02: $0 Total: $128,752
Prin. Invest.: G M SKOFRONICK-JACK
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10687 UNIV OF MARYLAND BALTIMORE COUNTY 5400
CALIBRATION & NAVIGATION OF RAW INSAT IMAGERY & APPLICATION FOR CLIMATE VARIABILITY ANALYSES
04/04/2001 - 04/14/2004 FY02: $0 Total: $59,150
Prin. Invest.: G I MOLNAR
Tech. Officer: GSFC/A J NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10876 UNIV OF MARYLAND BALTIMORE COUNTY 5401
STUDY OF SOLAR AND SPECTRAL GRADIANCE VARIATIONS BASED ON SOHO/VIRGO AND MDI
05/15/2001 - 11/30/2002 FY02: $0 Total: $111,389
Prin. Invest.: J M PAP
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10969 UNIV OF MARYLAND BALTIMORE COUNTY 5402
DERIVING MICROPHYSICAL CLOUD PROFILES USING AIR- BORNE ACTIVE & WIDEBAND PASSIVE MICROWAVE OBSERVA
06/06/2001 - 06/14/2004 FY02: $0 Total: $28,596
Prin. Invest.: G SKOFRONICK-JACK
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11020 UNIV OF MARYLAND BALTIMORE COUNTY 5403
SCATTERING & ABSORPTION PROPERTIES OF NONSPHERICAL /INHOMOGENEOUS AEROSOLS& ICE CRYSTALS:
06/22/2001 - 08/31/2001 FY02: -$30,000 Total: $0
Prin. Invest.: P YANG
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11092 UNIV OF MARYLAND BALTIMORE COUNTY 5404
UNDERSTANDING ARK 564 (ADP 2000)
07/09/2001 - 09/30/2003 FY02: $0 Total: $47,536
Prin. Invest.: T J TURNER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11115 UNIV OF MARYLAND BALTIMORE COUNTY 5405
STUDIES OF THE UPPER ATMOSPHERIC INNER CORE REGION OF HURRI-CANES USING THENASA ER-2 DROPWINDSONDE
07/26/2001 - 07/31/2002 FY02: $0 Total: $152,789
Prin. Invest.: J B HALVERSON
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11150 UNIV OF MARYLAND BALTIMORE COUNTY 5406
MARS WATER CONSTRAINTS FROM VOLCANIC LANDFORM TOPO GRAPHY
07/26/2001 - 07/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: S SAKIMOTO
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11156 UNIV OF MARYLAND BALTIMORE COUNTY 5407
BBAERI AIRS OCEAN VALIDATION EXPERIMENT: BOAVE″ AQUA-0056-0064
08/01/2001 - 08/31/2004 FY02: $0 Total: $80,439
Prin. Invest.: W MCMILLAN
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11174 UNIV OF MARYLAND BALTIMORE COUNTY 5408
CONSTRAINTS ON WATER ON MARS FROM EXPLOSIVE VOLCAN ISM LANDFORM TOPOGRAPHY
09/05/2001 - 09/30/2001 FY02: $0 Total: $13,000
Prin. Invest.: S SAKIMOTO
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11206 UNIV OF MARYLAND BALTIMORE COUNTY 5409
MODELING OF SHORTWAVE RADIATION FIELDS USING ATMOS PHERIC RADIATION MEASUREMENTS (ARM) & LANDSAT DAT
08/14/2001 - 06/30/2002 FY02: $0 Total: $114,205
Prin. Invest.: A MARSHAK
Tech. Officer: GSFC/W WISCOMBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11230 UNIV OF MARYLAND BALTIMORE COUNTY 5410
OBSERVATIONALLY-BASED PROCESS EVALUATION OF MODEL TRANS-PORT: IMPROVING ATMOSPHERIC MODELS AND THE G
08/16/2001 - 08/14/2004 FY02: $0 Total: $115,145
Prin. Invest.: S STRAHAN
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11269 UNIV OF MARYLAND BALTIMORE COUNTY 5411
MICROPHYSICAL PROPERTIES OF CRYSTALLINE PSC PARTIC LES DEVRIVED FROM AIRBORNE LADAR MEASUREMENTS
08/22/2001 - 08/31/2004 FY02: $0 Total: $67,295
Prin. Invest.: J REICHARDT
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11284 UNIV OF MARYLAND BALTIMORE COUNTY 5412
STATISTICAL INVESTIGATIONS OF SUBGRID SCALE VARIAB ILITY IN THE UT/LS
08/17/2001 - 08/31/2004 FY02: $0 Total: $73,791
Prin. Invest.: L SPARLING
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11326 UNIV OF MARYLAND BALTIMORE COUNTY 5413
VARIATIONS IN THE SOLAR RADIATION ENERGY OUTPUT ON TIME SCALES OF YEARS AND THE SOLAR CYCLE
09/05/2001 - 02/14/2003 FY02: $0 Total: $20,378
Prin. Invest.: J PAP
Tech. Officer: GSFC/C JACKSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11373 UNIV OF MARYLAND BALTIMORE COUNTY 5414
A NEW "CLOUD MODE" FOR THE AERONET
11/01/2001 - 10/31/2004 FY02: $0 Total: $0
Prin. Invest.: A MARSHAK
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11598 UNIV OF MARYLAND BALTIMORE COUNTY 5415
REMOTE SENSING OF THE RADIATIVE AND MICROPHYSICAL PROPERTIES OF CIRRUS CLOUDS DURING CRYSTAL-FACE W
01/23/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: S PLATNICK
Tech. Officer: GSFC/M KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11601 UNIV OF MARYLAND BALTIMORE COUNTY 5416
ANALYSIS AND VALIDATION OF THE UARS/ACRIM II SOLAR TOTAL IRRADIANCE DATA
01/15/2002 - 01/14/2003 FY02: $0 Total: $0
Prin. Invest.: J M PAP
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11624 UNIV OF MARYLAND BALTIMORE COUNTY 5417
VARIATIONS IN TOTAL SOLAR AND SPECTRAL IRRADIANCE
02/07/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: J PAP
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11631 UNIV OF MARYLAND BALTIMORE COUNTY 5418
USE OF NEW RADIATIVE TRANSFER SCHEMES & SATELLITE DATA FOR MORE REALISTIC CLOUD RADIATIVE FORCING &
01/29/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: L OREOPOULOS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11653 UNIV OF MARYLAND BALTIMORE COUNTY 5419
MEASUREMENT OF CARBON DIOXIDE, METHANE, AND CARBON MONOXIDE WITH THE ATMOSPHERIC INFRARED SOUNDER ON
02/06/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: C BARNET
Tech. Officer: GSFC/J SUSSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11798 UNIV OF MARYLAND BALTIMORE COUNTY 5420
THE EFFECT OF SUBGRID VARIABILITY OF SNOW COVER IN VEGETATED REGION ON LAND ATMOSPHERE INTERACTIONS
03/22/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: W NI
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12064 UNIV OF MARYLAND BALTIMORE COUNTY 5421
IMPROVEMENT OF GENERAL CIRCULATION MODEL SIMULA TIONS USING GLOBAL OBSERVATIONS OF PRECIPITATIO
04/24/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: S YANG
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12161 UNIV OF MARYLAND BALTIMORE COUNTY 5422
SOLAR VARIABILITY, CLIMATE & SPACE WEATHER
05/13/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: J M PAP
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 12162 UNIV OF MARYLAND BALTIMORE COUNTY 5423
REANALYSIS FOR STRATOSPHERIC TRACE GAS STUDIES
06/05/2002 - 05/31/2004 FY02: $0 Total: $0
Prin. Invest.: S PAWSON
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12199 UNIV OF MARYLAND BALTIMORE COUNTY 5424
LANDSLIDE MODELING AND FORECASTING UTILIZING REMOTELY SENSED DATA (LANDMOD)
05/17/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: M H BULMER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12227 UNIV OF MARYLAND BALTIMORE COUNTY 5425
CENTER FOR THE ADVANCED STUDIES IN PHOTONICS RESEA RCH (CASPR)
05/28/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: S A BASS
Tech. Officer: GSFC/A D SIMPSON
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 12238 UNIV OF MARYLAND BALTIMORE COUNTY 5426
UNDERSTANDING AND COPING WITH THE EFFECT OF 3D CLOUD STRUCTURE ON ARM DATA
06/04/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: A MARSHAK
Tech. Officer: GSFC/W WISCOMBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12271 UNIV OF MARYLAND BALTIMORE COUNTY 5427
WATER ON MARS: INFERENCES FROM MARS MOVEMENT STUD IES MASSMOVE
08/01/2002 - 08/14/2004 FY02: $0 Total: $0
Prin. Invest.: M BULMER
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12287 UNIV OF MARYLAND BALTIMORE COUNTY 5428
PLAINS VOLCANISM & SMALL VOLCANIC EDIFICES ON MARS
06/13/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: S SAKIMOTOS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 9 1190 UNIV OF MARYLAND BALTIMORE COUNTY 5429
EFFECTS OF EXPOSURE TO HEAVY PARTICLES
01/20/2000 - 01/19/2003 FY02: $0 Total: $335,749
Prin. Invest.: B M RABIN
Tech. Officer: JSC/F A CUCINOTTA
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAS 1 99107 UNIV OF MARYLAND BALTIMORE COUNTY 5430
PICASSO-CENA SCIENCE TEAM SUPPORT FOR AEROSOL RETRIEVAL STUDIES
11/02/1999 - 11/01/2002 FY02: $0 Total: $129,187
Prin. Invest.: R M HOFF
Tech. Officer: LARC/G G GIBSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 00173 UNIV OF MARYLAND BALTIMORE COUNTY 5431
PARTICPATION IN THE OZONE MONITORING INSTRUMENT SCIENCE TEAM.
06/06/2000 - 10/31/2004 FY02: $0 Total: $188,644
Prin. Invest.: O TORRES
Tech. Officer: GSFC/J C RIVERA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 00203 UNIV OF MARYLAND BALTIMORE COUNTY 5432
R & D TO SUPPORT GSFC'S SIMBIOS PROJECT
12/15/2000 - 11/30/2002 FY02: $0 Total: $125,014
Prin. Invest.: M WANG
Tech. Officer: GSFC/C R MCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NAS 5 01110 UNIV OF MARYLAND BALTIMORE COUNTY 5433
OZONE MONITORING INSTRUMENT (OMI) SCIENCE TEAM
04/18/2001 - 10/31/2004 FY02: $0 Total: $127,932
Prin. Invest.: A KRUEGER
Tech. Officer: GSFC/J C RIVERA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 31378 UNIV OF MARYLAND BALTIMORE COUNTY 5434
EOS EXECUTION PHASE
12/16/1991 - 06/14/2003 FY02: $0 Total: $3,088,000
Prin. Invest.: L L STROW
Tech. Officer: GSFC/E R KREINS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 99141 UNIV OF MARYLAND BALTIMORE COUNTY 5435
COMPACT HYPERSPECTRAL MAPPER FOR ENVIRONMENTAL APPLICATIONS (CHYMERA).
02/08/1999 - 12/15/2001 FY02: $0 Total: $469,836
Prin. Invest.: S JANZ
Tech. Officer: GSFC/J HARTLEY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1252 UNIV OF MARYLAND BALTIMORE COUNTY 5436
DISTRIBUTED DATA MINING FOR LARGE NASA DATABASES
04/10/2001 - 02/28/2003 FY02: $0 Total: $156,000
Prin. Invest.: H KARGUPTA
Tech. Officer: ARC/J C COUGHLAN, ARC/M SCHWABACHER
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 339 UNIV OF MARYLAND BALTIMORE COUNTY 5437
JOINT CENTER FOR EARTH SYSTEM TECHNOLOGY NEW AWARD
07/01/1998 - 06/30/2003 FY02: $0 Total: $11,033,288
Prin. Invest.: D CHRISTOU, R HOFF
Tech. Officer: GSFC/R AFZAL, GSFC/C E COTE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 361 UNIV OF MARYLAND BALTIMORE COUNTY 5438
DESKTOP STEREOSCOPIC VISUALIZATION AND ANALYSIS OF MULTI-DIMENSIONAL DATA SETS
09/08/1998 - 12/31/2000 FY02: $0 Total: $129,876
Prin. Invest.: D S EBERT
Tech. Officer: GSFC/A ROBERTS
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 367 UNIV OF MARYLAND BALTIMORE COUNTY 5439
LHEA/UMBC COOPERATIVE AGREEMENT (LUCA)
10/20/1998 - 12/31/2001 FY02: $0 Total: $1,028,605
Prin. Invest.: M J HENRIKSEN
Tech. Officer: GSFC/N E WHITE
CASE Category: 11 – ASTRONOMY

NCC 5 494 UNIV OF MARYLAND BALTIMORE COUNTY 5440
ESTABLISHMENT OF GODDARD EARTH SCIENCE & TECHN CTR ESTABLISHING GODDARD EARTH SCIENCE AND TECHNOLOGY
05/11/2000 - 05/10/2005 FY02: $563,236 Total: $10,350,242
Prin. Invest.: R CURRAN
Tech. Officer: GSFC/R HARTLE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 610 UNIV OF MARYLAND BALTIMORE COUNTY 5441
LHEA/UMBC COOPERATIVE AGREEMENT (LUCA)
12/21/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: M J HENRIKSEN
Tech. Officer: GSFC/N WHITE
CASE Category: 11 – ASTRONOMY

MASSACHUSETTS

NAG 1 2057 BOSTON COLL 5442
ENHANCEMENT OF SOLID STATE LASER OUTPUT VIA INTERI ONIC ENERGY TRANSFER
04/24/1998 - 01/31/2001 FY02: $0 Total: $242,971
Prin. Invest.: B DIBARTOIO, B WALSH
Tech. Officer: LARC/N P BARNES, LARC/J C BARNES
CASE Category: 13 – PHYSICS

NAG 1 01019 BOSTON COLL 5443
INVESTIGATIONS OF FUNDAMENTAL PROCESSES IN LASER SOLIDS WITH REMOTE SENSING APPLICATIONS
01/25/2001 - 11/30/2003 FY02: $0 Total: $142,260
Prin. Invest.: B DIBARTOLO, B WALSH
Tech. Officer: LARC/N P BARNES, LARC/J C BARNES
CASE Category: 13 – PHYSICS

NAG 1 01067 BOSTON COLL 5444
NATO ADVANCED STUDY INST ON SPECTROSCOPY WITH SPATIALLY CONFINED STRUCTURES
04/18/2001 - 08/17/2001 FY02: $0 Total: $15,000
Prin. Invest.: B DIBARTOLOL
Tech. Officer: LARC/J C BARNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 1 02034 BOSTON COLL 5445
INVESTIGATIONS OF FUNDAMENTAL PROCESSES IN LASAR SOLIDS WITH REMOTE SENSING APPLICATIONS
01/15/2002 - 02/20/2002 FY02: $0 Total: $0
Prin. Invest.: B D BARTOLO
Tech. Officer: LARC/N P BARNES
CASE Category: 13 – PHYSICS

NAG 5 10824 BOSTON COLL 5446
STAR FORMATION IN MSX INFRARED DARK CLOUDS (LTSA 2000)
05/01/2001 - 05/14/2002 FY02: $0 Total: $87,882
Prin. Invest.: S J CAREY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10833 BOSTON COLL 5447
THE MAGNETIC STRUCTURE OF CMES: A COMPARISON OF HALO CMES WITH MAGNETIC CLOUDS AT 1 AU
04/27/2001 - 04/30/2003 FY02: $0 Total: $64,760
Prin. Invest.: D F WEBB
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1432 BOSTON UNIV 5448
INTEGRATION OF ATMOSPHERIC, LABORATORY, & SATELITE DATA TO ESTIMATE BIOSPHERIC SOURCES OF OXYGENATE
08/15/2000 - 08/14/2003 FY02: $0 Total: $80,000
Prin. Invest.: R B MYNENI
Tech. Officer: ARC/C S POTTER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 3 2143 BOSTON UNIV 5449
SONOLUMINESCENCE IN SPACE: THE CRITICAL ROLE OF B OUYANCY IN STABILITY AND EMISSION MECHANISMS
04/10/1998 - 01/08/2003 FY02: $0 Total: $517,500
Prin. Invest.: R G HOLT, R A ROY
Tech. Officer: GRC/N R HALL
CASE Category: 13 – PHYSICS

NAG 3 2392 BOSTON UNIV 5450
RHEOLOGY OF FOAM NEAR THE ORDER-DISORDER PHASE TRA NSITION
04/18/2000 - 11/30/2003 FY02: $0 Total: $130,000
Prin. Invest.: D HOLT
Tech. Officer: GRC/R B ROGERS
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3384 BOSTON UNIV 5451
TOWARD A REFINED UNDERSTANDING OF THE HIGH-ENERGY GAMMA-RAY UNIVERSE
08/28/1996 - 08/31/2001 FY02: $0 Total: $365,000
Prin. Invest.: J R MATTOX
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3439 BOSTON UNIV 5452
MONITORING CHANGE IN TEMPERATE CONIFEROUS FOREST E COSYS-TEMS
10/07/1996 - 12/31/2001 FY02: $0 Total: $915,007
Prin. Invest.: C WOODCOCK
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4246 BOSTON UNIV 5453
USE OF ENERGETIC NEUTRAL ATOMS AS DIAGNOSTICS OF M PROCESSES
03/26/1997 - 04/30/2001 FY02: $0 Total: $262,266
Prin. Invest.: D MENDILLO
Tech. Officer: GSFC/J GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 4707 BOSTON UNIV 5454
USE OF NASA'S GLOBAL POSITIONING SYSTEM (GPS) MONI STUDIES OF IONOSPHERIC STRUCTURE AND VARIABILITY
06/11/1997 - 05/31/2001 FY02: $0 Total: $200,000
Prin. Invest.: D MENDILLO
Tech. Officer: GSFC/M M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 5251 BOSTON UNIV 5455
A SUBORBITAL RESEARCH PROGRAM IN ULTRAVIOLET HIGH RESOLUTION AND IMAGING SPECTROSCOPY PI CHAKRABARTI
02/04/2000 - 02/03/2003 FY02: $0 Total: $652,929
Prin. Invest.: S CHAKRABARTI
Tech. Officer: WFF/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5383 BOSTON UNIV 5456
SOUNDING ROCKET UV MEASUREMENT OF JUPITER'S UPPER ATMO-SPHERIC DYNAMICS, THE VENUE UPPER ATMOSPHERE D
08/20/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: J CLARKE
Tech. Officer: WFF/J BRINTIN
CASE Category: 13 – PHYSICS

NAG 5 6214 BOSTON UNIV 5457
MODELING AND FORECASTING EFFECTS OF LAND-USE CHANG SOCIO-ECONOMIC DRIVERS
08/18/1997 - 06/30/2001 FY02: $0 Total: $312,042
Prin. Invest.: D K KAUFMANN
Tech. Officer: GSFC/G C GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6658 BOSTON UNIV 5458
ULYSSES DATA ANALYSIS: MAGNETIC TOPOLOGY OF HELIO SPHERIC STRUCTURES
11/20/1997 - 06/30/2001 FY02: $0 Total: $203,772
Prin. Invest.: N CROOKER
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7049 BOSTON UNIV 5459
WIND DATA ANALYSIS: GLOBAL HELIOSPHERIC STRUCTURE S
02/26/1998 - 06/30/2002 FY02: $0 Total: $127,700
Prin. Invest.: N U CROOKER
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7217 **BOSTON UNIV** **5460**
GEOMETRIC OPTICAL MODELING OF DIRECTIONAL THERMAL RADIANCE FOR IMPROVEMENT OF LAND SURFACE TEMPERATU
04/17/1998 - 12/31/2001 FY02: $0 Total: $300,236
Prin. Invest.: X LI
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7218 **BOSTON UNIV** **5461**
MACHINE LEARNING TO IMPROVE LAND COVER CLASSIFICATIONS FROM MULTISENSOR AND MULTITEMPORAL DATA
04/09/1998 - 04/14/2001 FY02: $0 Total: $84,433
Prin. Invest.: M FRIEDL
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7452 **BOSTON UNIV** **5462**
SIMULATIONS AND THEORY OF THE FARLEY-BUNEMAN INSTA BILITY IN THE E-REGION IONOSPHERE
07/10/1998 - 08/31/2001 FY02: $0 Total: $157,357
Prin. Invest.: M OPPENHEIM
Tech. Officer: GSFC/M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 7677 **BOSTON UNIV** **5463**
STUDIES BY THE CAMMICE INVESTIGATION TEAM DURING T HE EXTENDED MISSION OF GGSPOL
09/18/1998 - 11/30/2001 FY02: $0 Total: $1,335,607
Prin. Invest.: T FRITZ
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 7706 **BOSTON UNIV** **5464**
STUDIES OF MAGNETOSPHERIC ENERGETIC PARTICLES IN T HE SOLAR MAXIMUM AREA
10/01/1998 - 12/31/2002 FY02: $0 Total: $355,000
Prin. Invest.: H E SPENCER
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8135 **BOSTON UNIV** **5465**
"SIGNATURES OF MAGNETOPAUSE RECONNECTION".
01/29/1999 - 01/31/2003 FY02: $0 Total: $607,075
Prin. Invest.: G L SISCOE
Tech. Officer: GSFC/J GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 8584 **BOSTON UNIV** **5466**
INVESTIGATION OF AERODYNAMIC AND RADIOMETRIC LAND SURFACE TEMPERATURES
06/21/1999 - 06/30/2002 FY02: $0 Total: $65,906
Prin. Invest.: M A FRIEDL
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9110 **BOSTON UNIV** **5467**
SUBSTORM EVOLUTION IN THE NEAR-EARTH PLASMA SHEET
02/23/2000 - 02/28/2003 FY02: $0 Total: $182,498
Prin. Invest.: G ERICKSON
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9161 **BOSTON UNIV** **5468**
RXTE OBSERVATIONS OF SELECTED BLAZARS - ADP - 99
03/08/2000 - 03/14/2002 FY02: $0 Total: $23,580
Prin. Invest.: A MARSCHER
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9444 **BOSTON UNIV** **5469**
SIMULATIONS & THEORY OF ELECTRON PHASE-SPACE HOLES OBSERVED IN THE AURORAL IONOSPHERE
04/13/2000 - 12/31/2001 FY02: $0 Total: $37,000
Prin. Invest.: M OPPENHEIM
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9547 **BOSTON UNIV** **5470**
MULTI-DECADAL PATHFINDER DATA SETS OF GLOBAL LAND BIOPHYSICAL VARIABLES FROM AVHRR & MODIS & THEIR
05/16/2000 - 05/31/2002 FY02: $0 Total: $150,000
Prin. Invest.: R MYNENI
Tech. Officer: GSFC/DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9557 **BOSTON UNIV** **5471**
MULTIPOINT ENERGETIC NEUTRAL ATOM IMAGING WITH POLAR GEOTAIL AND TIROS
05/16/2000 - 05/14/2002 FY02: $0 Total: $58,999
Prin. Invest.: H SPENCE
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9562 **BOSTON UNIV** **5472**
NEW ISTP SOLAR MAX: CUSP ENERGETIC PARTICLES
05/09/2000 - 05/14/2001 FY02: $0 Total: $30,000
Prin. Invest.: J CHEN
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9582 **BOSTON UNIV** **5473**
A LARGE FORMAT, MINIATURIZED, PHOTON COUNTING IMAG ING SYSTEM WITH MICRO-CHANNEL PLATE PORE-LIMITED
05/09/2000 - 05/14/2003 FY02: $0 Total: $100,000
Prin. Invest.: S CHAKRABARTI
Tech. Officer: GSFC/P CRANE
CASE Category: 13 – PHYSICS

NAG 5 10108 **BOSTON UNIV** **5474**
THE CLUSTER RAPID ON-ORBIT OPERATIONS AND DATA VER IFICATION
12/28/2000 - 12/31/2004 FY02: $0 Total: $502,000
Prin. Invest.: T FRITZ
Tech. Officer: GSFC/M GOLDSTEIN
CASE Category: 13 – PHYSICS

NAG 5 10156 **BOSTON UNIV** **5475**
RETRIEVING LAI AND FPAR FROM MERIS DATA WITH ADVAN CED ALGO-RITHMS
12/18/2000 - 12/31/2003 FY02: $0 Total: $89,641
Prin. Invest.: R B MYNENI
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10286 BOSTON UNIV 5476
USE OF ENERGETIC NEUTRAL ATOMS AS DIAGNOSTICS OF MAGNETO-SPHERIC PROCESSES AT JUPITER
01/23/2001 - 01/31/2002 FY02: $0 Total: $35,000
Prin. Invest.: M MENDILLO
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10419 BOSTON UNIV 5477
CONSTELLATION PATHFINDER TECHNOLOGY DEVELOPMENT: SYSTEMS INTEGRATION AND MANUFACTURABILITY.
03/13/2001 - 03/14/2003 FY02: $0 Total: $50,000
Prin. Invest.: D SPENCE
Tech. Officer: GSFC/P BUCHANAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10496 BOSTON UNIV 5478
HIGH DEFINITION IMAGES OF MERCURY'S SURFACE AND EXTENDED ATMOSPHERE
02/28/2001 - 02/28/2003 FY02: $0 Total: $55,000
Prin. Invest.: J BAUMGARDNER
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10801 BOSTON UNIV 5479
CONCEPT STUDY FOR THE "A SMALL EXPLORER MISSION FOR SPEC-TROSCOPY & PHOTOMETRY OF IGM'S DIFFUSE
04/30/2001 - 09/30/2002 FY02: $0 Total: $450,000
Prin. Invest.: P CHAKRABARTI
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 10808 BOSTON UNIV 5480
INFRARED STUDIES OF 13CO CLUMPS IN THE GRS (LTSA 2 000)
04/25/2001 - 04/30/2006 FY02: $0 Total: $100,000
Prin. Invest.: J M JACKSON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10856 BOSTON UNIV 5481
HELIOSPHERIC CURRENT SHEET STRUCTURE
05/01/2001 - 04/30/2004 FY02: $0 Total: $71,950
Prin. Invest.: N U CROOKER
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 10881 BOSTON UNIV 5482
HELIOSPHERIC CONSEQUENCES OF CORONAL MASS EJECTION
05/14/2001 - 05/31/2004 FY02: $0 Total: $71,950
Prin. Invest.: N U CROOKER
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11077 BOSTON UNIV 5483
IONOSPHERE VARIABILITY AND STORMS ON MARS
08/06/2001 - 08/14/2003 FY02: $0 Total: $50,000
Prin. Invest.: M MENDILLO
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11165 BOSTON UNIV 5484
MODELING STUDIES OF TITAN'S THERMOSPHERE, IONOSPHE RE, AND AURORA
08/06/2001 - 08/14/2004 FY02: $0 Total: $40,198
Prin. Invest.: M MENDILLO
Tech. Officer: GSFC/D J BOGAN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11263 BOSTON UNIV 5485
LAND SURFACE ALBEDO FROM MERIS REFLECTIONS USING M ODIS DIRECTIONAL FACTORS
08/29/2001 - 12/31/2003 FY02: $0 Total: $22,607
Prin. Invest.: C SCHAAF
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11338 BOSTON UNIV 5486
THE EFFECTS OF AGRICULTURAL EXPANSION ON REGIONAL HYDROLOGY IN SE TURKEY
09/07/2001 - 09/15/2004 FY02: $0 Total: $191,205
Prin. Invest.: G SALVUCCI
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11397 BOSTON UNIV 5487
POLAR/CAMMICE
11/20/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: T FRITZ
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11454 BOSTON UNIV 5488
RESEARCH PROGRAM FOR ADVANCED MICROCHANNEL PLATE UV DETEC-TOR TECHNOLOGY
12/13/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: S CHAKRABARTI
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11695 BOSTON UNIV 5489
"NEW SCALE APPROPRIATE DIAGNOSTICS FOR EVALUTATING LAND SUR-FACE PARAMETERIZATIONS AND WATER BALANCE
02/06/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: G D SALVUCCI
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11751 BOSTON UNIV 5490
INTEGRATIVE SUN-EARTH SYSTEM STUDIES USING MAGNETO SPHERIC ENERGETIC PARTICLES.
02/20/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: H SPENCE
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11790 BOSTON UNIV 5491
CROSS SECTIONS FOR THERMOSPHERIC-IONOSPHERIC NONAD IABATIC REACTIONS FROM QUASI-CLASSICAL DYNAMICS
02/28/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: D COKER
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11811 **BOSTON UNIV** **5492**
FREQUENCY-DEPENDENT TIME LAGS IN THREE BLAZARS (AD P 2001)
03/01/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: A P MARSCHER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 12003 **BOSTON UNIV** **5493**
PERIODICITY AND TURBULENCE ASSOCIATED WITH MAGNETO TAIL FLOW BURSTS
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: H E SPENCE
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12095 **BOSTON UNIV** **5494**
SATURN THERMOSPHERE-IONESPHERE MODEL
04/26/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: M MENDILLO
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12292 **BOSTON UNIV** **5495**
UNDERSTANDING AND COPING WITH THE EFFECT OF 3D CLO UD STRUCTURE ON ARM DATA
06/13/2002 - 06/14/2005 FY02: $0 Total: $0
Prin. Invest.: Y KNYZAKHIN
Tech. Officer: GSFC/W WISCOMBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1522 **BOSTON UNIV** **5496**
DIRECT USE OF SATELLITE REMOTE SENSING IN THE ESTIMATION OF HYDROLOGIC TRANSPORTS.
05/22/1998 - 09/30/2001 FY02: -$327 Total: $134,542
Prin. Invest.: G D SALVUCCI
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 31369 **BOSTON UNIV** **5497**
MODERATE RESOLUTION IMAGING SPECTROMETER INVESTIGATION - LAND COVER CHANGES
12/30/1991 - 06/14/2003 FY02: $0 Total: $5,389,303
Prin. Invest.: W STRAHLER
Tech. Officer: GSFC/H OSEROFF
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 96061 **BOSTON UNIV** **5498**
MODIS
09/27/1996 - 06/14/2003 FY02: $0 Total: $1,985,000
Prin. Invest.: R B MYNENI
Tech. Officer: GSFC/D TOLL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1233 **BOSTON UNIV** **5499**
A BENCHMARK DATASET OF MULTIDIMENSIONAL EARTH SCIE NCE SATELLITE DATA FOR TESTING OF LEARNING ALGORI
03/30/2001 - 02/28/2003 FY02: $0 Total: $97,000
Prin. Invest.: R B MYNENI
Tech. Officer: ARC/J C OUGHLAN, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NCC 9 127 **BOSTON UNIV** **5500**
MICRO GRAVITY INDUCED CHGS IN CONTROL OF MUSCLES
05/11/2001 - 05/31/2004 FY02: $0 Total: $100,000
Prin. Invest.: C J DE LUCA
Tech. Officer: JSC/M ANDERSON
CASE Category: 56 – MEDICL

NGT 1 52199 **BOSTON UNIV** **5501**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
07/20/1998 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: K P HARLING, B DI BARTOLO
Tech. Officer: LARC/J C BARNES, LARC/N P BARNES
CASE Category: 13 – PHYSICS

NGT 5 30223 **BOSTON UNIV** **5502**
RELATION BETWEEN INTERANNUAL VARIABILITY IN ATMOSP HERIC CO2, SEA (ENSO) AND LAND SURFACE TEMPERATUR
09/20/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: R MYNENI, L ZHOU
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30401 **BOSTON UNIV** **5503**
URBANIZATION AS A COMPONENT OF GLOBAL CHANGE. STUDENT: ANNE-MARIE SCHNEIDE
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: C WOODSTOCK
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30405 **BOSTON UNIV** **5504**
ESTIMATION OF LAND SURFACE ENERGY BALANCE AND SUR- FACE PROPERTIES USING REMOTELY-SENSED OBSERVATION
08/16/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: M FRIEDL
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30462 **BOSTON UNIV** **5505**
RETRIEVAL OF BIOMAS AND SRUCTURAL INFORMATION OF F ORESTS FROM LIDAR WAVEFORMS USING TIME-DEPEND
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R MYNENI
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50288 **BOSTON UNIV** **5506**
SIMULATION OF PLASMA TURBULENCE IN THE AURORAL ION OSPHERE
06/26/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: M OPPENHEIM
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50307 **BOSTON UNIV** **5507**
GENE EXPRESSION PROFILE OF UNLOADED SKELETAL MUSCLE - STUDENT: ERIC STEVENSON
07/06/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: S KANDARIAN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50309 BOSTON UNIV 5508
A PROSTHETIC FOOT SOLE FOR THE MITIGATION OF BALAN CE DEFICITS CAUSED BY REDUCED PLANTAR SENSATION
07/07/2000 - 10/31/2002 FY02: $0 Total: $44,000
Prin. Invest.: L ODDSSON
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2386 BRANDEIS UNIV 5509
NUCLEATION OF COLLOIDAL AND PROTEIN CRYSTALS IN TH E VICINITY OF A METASTABLE CRITICAL POINT
04/07/2000 - 11/30/2003 FY02: $0 Total: $170,000
Prin. Invest.: D FRADEN
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1038 BRANDEIS UNIV 5510
ADAPTATION IN ARTIFICIAL GRAVITY ENVIROMENTS
06/25/1998 - 08/30/2001 FY02: $0 Total: $617,290
Prin. Invest.: J LACKNER
Tech. Officer: JSC/C W LLOYD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1263 BRANDEIS UNIV 5511
DEVELOPING PROCEDURES FOR ALLEVIATING ASTRONAUTS POST FLIGHT DISTR OF POSTURE AND LOCOMOTION
12/06/2000 - 11/30/2003 FY02: $0 Total: $309,386
Prin. Invest.: J R LACKNER
Tech. Officer: JSC/C W LLOYD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8559 CLARK UNIV 5512
PIXELING THE SOCIAL USING REMOTELY SENSED INFORMA TION IN SOCIAL SCIENCE MODELS
07/08/1999 - 06/30/2002 FY02: $0 Total: $344,368
Prin. Invest.: J GEOGHEGAN
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11134 CLARK UNIV 5513
LCLUC-SYPR II
07/26/2001 - 07/31/2004 FY02: $0 Total: $99,824
Prin. Invest.: B TURNER
Tech. Officer: GSFC/G GUTMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1270 CLARK UNIV 5514
COFFEE HARVEST OPTIMIZATION USING UAV PLATFORMS FO R THE ACQUISITION OF HIGH SPATIAL RESOLUTION REAL
06/07/2001 - 12/14/2002 FY02: $0 Total: $840,000
Prin. Invest.: S HERWITZ
Tech. Officer: ARC/S S WEGENER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 97 CLARK UNIV 5515
INTEGRATED ASSESSMENT AND PROJECTION OF LAND-USE/ COVER CHANGE IN THE SOUTHERN YUCATAN PENINSULAR
08/24/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B L TURNER, S MANSON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30061 CLARK UNIV 5516
DIAGNOSIS OF SPATIAL AND TEMPORAL PATTERNS OF DRY LAND-ATMOSPHERE WATER EXCHANGE IN THE TROPICAL SAV
09/10/1997 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: L LEWIS
Tech. Officer: GSFC/M Y WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30147 CLARK UNIV 5517
IDENTIFYING THE LAND-MANAGEMENT INSTS AND L ANDSCAPE PATTERNS GOVERNING SAVANNA FIRE REGI
08/31/1998 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B L TURNER,11
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30153 CLARK UNIV 5518
LINKING REMOTE SENSING AND SOCIAL ANALYSIS: CAUSAL INFLUENCES OF TRANSITIONING ECONOMIES ON
08/28/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: B L TUNNER, 11, HAAN
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30197 CLARK UNIV 5519
CONSERVATION IN THE SOUTHERN YUCATAN PENINSULAR RE GION, MEXICO: LINKING LANDSCAPE ECOLOGY AND SOCIA
08/18/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B L TURNER, 11
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30217 CLARK UNIV 5520
SOCIALIZING MIOMBO GEOLOGY: CHANGE IN WOODLAND USE AND ITS MEANING FOR SUSTAINABLE LIVELIHOODS/STUD
08/24/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B L TURNER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1796 COLL OF THE HOLY CROSS 5521
FOR RESEARCH "TRANSIENT DENDRITIC SOLIDIFICATION EXPERIMENT"
03/07/2001 - 05/31/2003 FY02: $0 Total: $100,000
Prin. Invest.: M KOSS
Tech. Officer: MSFC/A JACKSON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 1 2025 HARVARD UNIV 5522
ANALYSIS OF INTERANNUAL AND LONG TERM VARIATIONS OF STRATO-SPHERIC TRANSPORT OF OZONE AND DEVELOP-
03/19/1998 - 01/31/2001 FY02: $0 Total: $345,001
Prin. Invest.: S C WOFSY
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2126 HARVARD UNIV 5523
ANALYSIS AND MODELING OF PEM-TROPICS (B) DATA MY 1/3
02/02/1999 - 12/31/2001 FY02: $0 Total: $328,001
Prin. Invest.: D J JACOB, J A LOGAN
Tech. Officer: LARC/J RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2307 **HARVARD UNIV** **5524**
GLOBAL THREE-DIMENSIONAL MODELING STUDIES OF TROPOSPHERIC OZONE
06/28/2000 - 03/31/2003 FY02: $0 Total: $481,001
Prin. Invest.: D J JACOB
Tech. Officer: LARC/G L MADDREA, HQ/P DE COLA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2328 **HARVARD UNIV** **5525**
ANALYSIS OF ASIAN OUTFLOW OVER THE PACIFIC USING OBSERVATIONS FROM TRACE-P, NRA 00-OES-01
09/20/2000 - 06/30/2003 FY02: $0 Total: $224,059
Prin. Invest.: D J JACOB
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01095 **HARVARD UNIV** **5526**
CHEMISTRY, DYNAMICS, AND RADIATION OF OZONE LOSS AIRBORNE MEAS OF OH, HO2, NO2, CIO BRO, IO,CLONO2
07/18/2001 - 12/31/2003 FY02: $0 Total: $1,999,722
Prin. Invest.: J G ANDERSON
Tech. Officer: LARC/L R POOLE, LARC/G L MADDREA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1310 **HARVARD UNIV** **5527**
IN SITU MEASUREMENT OF CONCENTRATION OF ATMOSPHERI C CO2 IN THE SGAE-3 OZONE LOSS & VALIDATION EXPER
03/19/1999 - 12/31/2002 FY02: $0 Total: $437,000
Prin. Invest.: S C WOFSY
Tech. Officer: ARC/C P SCOFIELD, ARC/R S HIPSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1417 **HARVARD UNIV** **5528**
BIOMECHANICS OF ARABIDOPSIS THALIANA WAVY ROOT DEV ELOPMENT
07/11/2000 - 06/30/2003 FY02: $0 Total: $121,609
Prin. Invest.: N M HOLBROOK
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1509 **HARVARD UNIV** **5529**
CONTROL OF CELL MECHANICS AND FUNCTION BY CELL MIC ROENVIRONMENT
07/26/2001 - 07/31/2003 FY02: $0 Total: $112,405
Prin. Invest.: N WANG
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2284 **HARVARD UNIV** **5530**
PHYSICS OF COLLOIDS IN SPACE PHYSICS OF COLLOIDS IN SPACE
08/02/1999 - 06/30/2004 FY02: $0 Total: $831,125
Prin. Invest.: D WEITZ
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2376 **HARVARD UNIV** **5531**
MICROGRAVITY DRIVEN INSTABILITIES IN GAS-FLUIDIZED BEDS
03/27/2000 - 11/30/2003 FY02: $0 Total: $49,000
Prin. Invest.: D A WEITZ
Tech. Officer: GRC/B MOTIL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2381 **HARVARD UNIV** **5532**
FABRICATION OF PHOTONIC STRUCTURE WITH COLLOIDAL E NGINEERING
04/07/2000 - 11/30/2003 FY02: $0 Total: $136,000
Prin. Invest.: D A WHITE
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2492 **HARVARD UNIV** **5533**
ENGINEERING OF NOVEL BIOCOLLOIDAL SUSPENSIONS ENGINEERING OF NOVEL BIOCOLLOIDAL SUSPENSIONS
10/17/2000 - 11/30/2003 FY02: $0 Total: $30,000
Prin. Invest.: D A WEITZ
Tech. Officer: GRC/D GRIFFIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3645 **HARVARD UNIV** **5534**
EVOLUTION OF PROTEROZOIC MICROORGANISMS AND ENVIRO
03/05/1997 - 05/31/2002 FY02: $0 Total: $353,808
Prin. Invest.: D H KNOLL
Tech. Officer: GSFC/M MEYER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4348 **HARVARD UNIV** **5535**
ABSOLUTE TRANSITION PROBABILITIES FOR LINES IN THE ASTROPHYSICAL ATOMS, MOLECULES AND IONS
04/17/1997 - 12/31/2001 FY02: $0 Total: $426,197
Prin. Invest.: A H DALGARNO
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 4430 **HARVARD UNIV** **5536**
ISOTOPIC STUDIES OF SOLAR SYSTEMS ORIGINS
05/06/1997 - 02/28/2003 FY02: $0 Total: $178,000
Prin. Invest.: D B JACOBSEN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4720 **HARVARD UNIV** **5537**
TUNGSTEN ISOTOPE STUDIES OF METEORITES
06/17/1997 - 03/31/2001 FY02: $0 Total: $75,000
Prin. Invest.: D B JACOBSEN
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 5279 **HARVARD UNIV** **5538**
DEVELOPMENT OF A HARD X-RAY IMAGING DETECTOR AND SURVEY TELESCOPE (EXITE 3) FOR AN LDB MISSION
05/31/2000 - 05/18/2003 FY02: $0 Total: $422,811
Prin. Invest.: G GRINDLAY
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 7039 **HARVARD UNIV** **5539**
STRUCTURE AND EVOLUTION OF X-RAY CLUSTERS: THEORY AND IMPLICATIONS FOR AXAF -ATP
02/25/1998 - 02/14/2002 FY02: $0 Total: $269,824
Prin. Invest.: A LOEB
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 7534 **HARVARD UNIV** **5540**
LONG-TERM NET ECOSYSTEM EXCHANGE AT THE BORE AS NO RTHERN OLD BLACK SPRUCE SITE: MECHANISMS FOR
06/11/1998 - 05/31/2002 FY02: $0 Total: $1,159,850
Prin. Invest.: S C WORSY
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7616 **HARVARD UNIV** **5541**
FUNDING FOR 'INVESTIGATIONS OF THE GEODYNAMO USING SATELLITE MAGNETIC FIELD OBSERVATIONS' (SENH98-0
07/22/1998 - 07/14/2002 FY02: $0 Total: $224,000
Prin. Invest.: J BLOXHAM
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7768 **HARVARD UNIV** **5542**
STUDYING THE SUPERNOVA HISTORY OF THE UNIVERSE WIT H THE NEXT GENERATION SPACE TELESCOPE
01/11/1999 - 01/14/2002 FY02: $0 Total: $56,348
Prin. Invest.: R KIRSHNER
Tech. Officer: GSFC/E SMITH
CASE Category: 11 – ASTRONOMY

NAG 5 7859 **HARVARD UNIV** **5543**
PHOTOABSORPTION CROSS SECTIONS AND THEIR TEMPERATU RE DE-PENDENCE FOR CO2 AND H20 IN THE 170 NM TO 20
01/06/1999 - 12/31/2001 FY02: $0 Total: $183,875
Prin. Invest.: W H PARKINSON
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8467 **HARVARD UNIV** **5544**
STUDIES OF STAR AND PLANETARY SYSTEM FORMATION
05/03/1999 - 07/31/2001 FY02: $0 Total: $20,288
Prin. Invest.: A W CAMERON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8779 **HARVARD UNIV** **5545**
CLOUDS AND WATER VAPOR IN THE CLIMATE SYSTEM
08/30/1999 - 02/28/2001 FY02: $0 Total: $898,876
Prin. Invest.: J ANDERSON
Tech. Officer: GSFC/R CURRAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9019 **HARVARD UNIV** **5546**
1. H2 IN HH2: FLUORESCENCE OR COLLISIONS? - FUSE 2. NON-RADIATIVE SHOCKS IN THE CYGNUS LOOP - FUSE
02/02/2000 - 01/31/2003 FY02: $0 Total: $61,100
Prin. Invest.: J C RAYMOND
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9643 **HARVARD UNIV** **5547**
CHEMISTRY, AEROSOLS, AND CLIMATE: TROPOSPHERIC UNI FIED SIMU-LATION (CACTUS)
06/28/2000 - 05/31/2003 FY02: $0 Total: $630,667
Prin. Invest.: D J JACOB
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9823 **HARVARD UNIV** **5548**
MEASUREMENT, ANALYSIS, & MODELING OF THE SPATIAL & TEMPORAL VARIABILITY OF OROGRAPHIC PRECIP.
07/24/2000 - 11/30/2002 FY02: $0 Total: $225,420
Prin. Invest.: A P BARROS
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10040 **HARVARD UNIV** **5549**
ON THE ORIGIN OF DIPS IN 4U1915-05
10/03/2000 - 09/30/2002 FY02: $0 Total: $7,400
Prin. Invest.: J E GRINDLAY
Tech. Officer: GSFC/RMUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10046 **HARVARD UNIV** **5550**
XMM OBSERVATIONS OF LARGE CORE CLUSTERS
09/28/2000 - 09/30/2002 FY02: $0 Total: $8,100
Prin. Invest.: J E GRINDLAY
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10105 **HARVARD UNIV** **5551**
X-RAY SPECTROSCOPY OF LOW-LUMINOSITY ACTIVE GALACT IC NUCLEI WITH XMM
12/18/2000 - 11/30/2001 FY02: $0 Total: $4,865
Prin. Invest.: R NARAYAN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10484 **HARVARD UNIV** **5552**
ISOTOPIC STUDIES OF THE FORMATION & EARLY DIFFEREN TIATION OF PLANETS
03/05/2001 - 03/31/2004 FY02: $0 Total: $70,000
Prin. Invest.: S JACOBSEN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10631 **HARVARD UNIV** **5553**
THE EVOLUTION OF ATMOSPHERIC OXYGEN AND THE COMPOS ITION OF SEAWATER
03/17/2001 - 03/14/2004 FY02: $0 Total: $150,000
Prin. Invest.: H D HOLLAND
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10780 **HARVARD UNIV** **5554**
MODELS OF LOW-LUMINOSITY ACCRETION FLOWS (ATP 2000)
04/20/2001 - 04/30/2004 FY02: $0 Total: $94,389
Prin. Invest.: R NARAYAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10792 **HARVARD UNIV** **5555**
2001 7TH INTERNATIONAL PRECIPITATION CONFERENCE
04/24/2001 - 12/31/2001 FY02: $0 Total: $27,900
Prin. Invest.: A P BARROS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10906 **HARVARD UNIV** **5556**
THE ORIGINS OF AUTOTROPHY: DISTRIBUTION, DIVERSITY AND EVOLUTION OF RUBISCO
05/22/2001 - 07/31/2004 FY02: $0 Total: $90,000
Prin. Invest.: C M CAVANAUCH
Tech. Officer: GSFC/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 11154 **HARVARD UNIV** **5557**
FLUXES OF CARBON, WATER, AND ENERGY IN A BOREAL FOREST-PEAT ECOSYSTEM: SHORT TERM VARIANCE, LONG
08/02/2001 - 07/31/2004 FY02: $0 Total: $189,403
Prin. Invest.: S C WOFSY
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11270 **HARVARD UNIV** **5558**
EVALUATION AND INTERCOMPARISON OF TROPOSPHERIC CHE MISTRY SIMULATIONS FORGLOBAL MODEL INITIATIVE (GM
08/22/2001 - 08/31/2004 FY02: $0 Total: $145,130
Prin. Invest.: D JACOB
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11431 **HARVARD UNIV** **5559**
CONSTRAINTS OF CHEMICAL TRACERS ON THE GLOBAL BUDG ETS OF CO2 AND CH4
12/03/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: M MCELROY
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11547 **HARVARD UNIV** **5560**
TOTAL WATER MEASUREMENTS USING IN SITU UV FRAGMENT FLUORESCENCE SPECTROSCOPY IN SUPPORT OF
01/14/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: J ANDERSON
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11548 **HARVARD UNIV** **5561**
IN SITU WATER VAPOR MEASUREMENTS USING COUPLED UV FRAGMENT FLUORESCENCE/ABSORBTION SPECTROSCOPYIN S
01/14/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: J ANDERSON
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11638 **HARVARD UNIV** **5562**
CO2 MEASUREMENTS FROM THE WB-57F IN CRYSTAL-FACE
01/22/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: S C WOFSY
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11925 **HARVARD UNIV** **5563**
ISOTOPIC STUDIES OF SOLAR SYSTEM ORIGINS
03/27/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: S JACOBSEN
Tech. Officer: GSFC/JBOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12041 **HARVARD UNIV** **5564**
THE SUNYAEV-ZEL'DOVICH EFFECT(S)
04/17/2002 - 04/26/2002 FY02: $0 Total: $0
Prin. Invest.: M WHITE
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12140 **HARVARD UNIV** **5565**
GALAXY EVOLUTION IN A COSMOLOGICAL CONTEXT
05/06/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: L E HERNQUIST
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 8 1680 **HARVARD UNIV** **5566**
"GLASS FORMATION, NUCLEATION AND DIFFUSION IN METALLIC MELTS"
06/06/2000 - 11/30/2003 FY02: $0 Total: $140,000
Prin. Invest.: F A SPAEPEN, M J AZIZ
Tech. Officer: MSFC/P DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1822 **HARVARD UNIV** **5567**
RESEARCH ENTITILED, "STUDY OF METASTABILITY OF HYDROGEN AGAINST A TRANSIATION TO PRESSURE"
06/29/2001 - 07/15/2002 FY02: $0 Total: $99,972
Prin. Invest.: I F SILVERA
Tech. Officer: MSFC/S D BAI
CASE Category: 43 – CHEMICAL ENGR

NAS 1 18946 **HARVARD UNIV** **5568**
SAGE III SCIENCE SUPPORT; P.I. - WOFSY
11/28/1989 - 01/31/2005 FY02: $0 Total: $503,930
Prin. Invest.: S C WOFSY
Tech. Officer: LARC/G MADDREA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 5 02037 **HARVARD UNIV** **5569**
NRA FOR R & D ENTITLED "INSTRUMENT INCUBATOR PROGRAM, ICOS, CAPS & CRDS: NEW TECHNIQUES
03/14/2002 - 03/13/2003 FY02: $0 Total: $0
Prin. Invest.: J ANDERSON
Tech. Officer: GSFC/F PERI
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 2 1053 **HARVARD UNIV** **5570**
THE PLANETARY CONTEXT OF BIOLOGICAL EVOLUTION
09/14/1998 - 06/30/2003 FY02: $0 Total: $2,322,169
Prin. Invest.: A H KNOLL
Tech. Officer: ARC/R A GRYMES, ARC/W W DOLCI
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1236 **HARVARD UNIV** **5571**
PROBABILISTIC REASONING FOR COMPLEX DYNAMIC SYSTEM S
04/11/2001 - 02/28/2003 FY02: $0 Total: $66,000
Prin. Invest.: A J PFEFFER
Tech. Officer: ARC/R A MORRIS, ARC/D J CLANCY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5505 **HARVARD UNIV** **5572**
COLLECTIVE INTELLIGENCE MECHANISM DESIGN FOR COMPL EX SYSTEMS
07/24/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: D PARKES
Tech. Officer: ARC/K TURNER, ARC/D WOLPERT
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 341 HARVARD UNIV 5573
NET ECOSYSTEM EXCHANGE OF CO2 AND H20 FROM PRIMARY TROPICAL FOREST IN CENTRAL AMAZONIA
07/07/1998 - 12/31/2002 FY02: $0 Total: $1,362,000
Prin. Invest.: S C WOFSY
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 590 HARVARD UNIV 5574
CO2 BUDGET REGIONAL AIRBORNE STUDY (COBRA) - BRAZI L
11/01/2001 - 10/31/2004 FY02: $0 Total: $0
Prin. Invest.: S C WOFSY
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 101 HARVARD UNIV 5575
NATURAL SELECTION IN ELEMENTS OF PHOTOSYNTHESIS STUDENT: LUCAS MIX
05/25/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: C CAVANAUGH
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 30152 HARVARD UNIV 5576
BIOLOGICAL AND PHYSICAL CONTROLS ON EVAPOTRANSPIRA TION IN A MID-LATITUDEFOREST
08/28/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: S C WOFSY, LIN
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30205 HARVARD UNIV 5577
NITRIC ACID AND NITROGEN DIOXIDE FLUX MEASUREMENTS OVER A NORTH-AMERICAN FOREST/STUDENT: CASSANDRA H
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: S C WOFSY
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30336 HARVARD UNIV 5578
LABORATORY STUDIES OF TROPOSPHERIC SOURCES & SINKS OF THE HYDROXYL RADICAL: OXIDATION OF ALKENE
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J ANDERSON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30366 HARVARD UNIV 5579
CHARACTERIZING THE HYDROLOGICAL AND ENVIRONMENTAL CONTROLS ON THE CARBONBALANCE OF BOREAL FORESTS/AL
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S WOFSY
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30410 HARVARD UNIV 5580
A NEW METHOD FOR IN SITU MEASUREMENTS OF THE ISOTO PIC COMPOSITION OF WATER IN THE TROPICAL UPPER
08/15/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: J ANDERSON
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30466 HARVARD UNIV 5581
UNDERSTANDING GLOBAL SOURCES OF CARBON MONOXIDE: AN INTE-GRATED OBSERVATIONAL STRATEGY._STUDENT NAME
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: D JACOB
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50258 HARVARD UNIV 5582
STUDIES IN LOW TEMPERATURE ATOMIC PHYSICS USING A CRYOGENIC HYDROGEN MASER STUDENT: MARC HUMPHR
07/07/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: W H PARKINSON
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52922 HARVARD UNIV 5583
EFFECTIVENESS OF ENGINEERING DESIGN AN DTECHNOLOGY BASED CHALLENGES ON URBAN MIDDLE SCHOOL STUDENTS
08/27/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R PETERKIN
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 21 – MATHEMATICS

NAG 1 2027 MASSACHUSETTS INST OF TECHNOLOGY 5584
LARGE-SCALE STRATOSPHERIC TRANSPORT PROCESSESS MY 1/3
03/20/1998 - 08/28/2001 FY02: $0 Total: $414,501
Prin. Invest.: R A PLUMB
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2122 MASSACHUSETTS INST OF TECHNOLOGY 5585
UNSTRUCTED MESH METHODS FOR THE SIMULATION OF HYPE RSONIC FLOW
12/23/1998 - 03/31/2001 FY02: $0 Total: $190,766
Prin. Invest.: J PERAIRE
Tech. Officer: LARC/K L BIBB, LARC/K J WEILMUENSTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2152 MASSACHUSETTS INST OF TECHNOLOGY 5586
STUDIES OF TRACE GAS CHEMICAL CYCLES USING INVERSE METHODS & GLOBAL CHEMICALTRANSPORT MODELS
02/25/1999 - 12/31/2001 FY02: $0 Total: $428,180
Prin. Invest.: R G PRINN
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERICSCIENCE

NAG 1 2173 MASSACHUSETTS INST OF TECHNOLOGY 5587
PHYS PROCESSES GOV'G ATMOSPHERIC TRACECONSTITUENTS MEAS'D FROM A/C IN PEM-TROPICS-B (NRA-97-MTPE-04)
05/03/1999 - 02/28/2002 FY02: $0 Total: $445,112
Prin. Invest.: R E NEWELL
Tech. Officer: LARC/J L RAPER, LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2203 MASSACHUSETTS INST OF TECHNOLOGY 5588
TRACER EVOLUTION AT HIGHER LATITUDES IN WINTER (SOLVE)
06/17/1999 - 09/30/2001 FY02: $0 Total: $24,820
Prin. Invest.: R PLUMB
Tech. Officer: LARC/G MADDREA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2239 MASSACHUSETTS INST OF TECHNOLOGY 5589
REQUIREMENT ENGINEERING FOR SOFTWARE INTEGRITY AND SAFETY (NRA 98-LARC-8)
09/23/1999 - 09/30/2002 FY02: $0 Total: $352,740
Prin. Invest.: N LEVESON
Tech. Officer: LARC/D E ECKMARDT
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 2275 MASSACHUSETTS INST OF TECHNOLOGY 5590
DEVELOPMENT OF AN OUTPUT-BASED ADAPTIVE METHOD FOR MULTI-DIMENSIONAL EULER AND NAVIER STOKES SIMUL-
02/29/2000 - 06/30/2002 FY02: $0 Total: $165,279
Prin. Invest.: D L DARMOTAL
Tech. Officer: LARC/J L THOMAS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2306 MASSACHUSETTS INST OF TECHNOLOGY 5591
USE OF GTE, MOZAIC, SONEX AND UARS-MLS DATA IN UNDERSTANDING TROPOSPHERIC CRITICAL TO MODEL DEV.
06/08/2000 - 03/31/2003 FY02: $0 Total: $180,000
Prin. Invest.: R E NEWELL
Tech. Officer: LARC/D L MODDREA
CASE Category: 31 – ATMOSPHERICSCIENCE

NAG 1 01025 MASSACHUSETTS INST OF TECHNOLOGY 5592
PERFORMANCE AND RELIABILITY OPTIMIZATION FOR AERO- SPACE SYSTEMS SUBJECT TO UNCERTAINTY & DEGRADATIO
02/16/2001 - 12/31/2003 FY02: $0 Total: $90,351
Prin. Invest.: D W MILLER
Tech. Officer: LARC/P G MAGHAMI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01102 MASSACHUSETTS INST OF TECHNOLOGY 5593
ACTIVE TAILORING OF A FLEXIBLE WING USING LANGLEY MACRO-FIBER COMPOSITE (MFC) ACTUATORS
06/20/2001 - 12/31/2002 FY02: $0 Total: $39,988
Prin. Invest.: C CESNIK
Tech. Officer: LARC/H K WILKIE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02006 MASSACHUSETTS INST OF TECHNOLOGY 5594
INVESTIGATE AIRCRAFT DYNAMIC STATE AND INTENT RQMTS IN FUTURE AIR TRAFFIC CONTROL ENVIRONMENTS
11/29/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: R J HANSMAN
Tech. Officer: LARC/R BARNYDT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02037 MASSACHUSETTS INST OF TECHNOLOGY 5595
AN OUTPUT-BASED ADAPTIVE METHOD FOR MULTI- DIMENSIONAL EULER AND NAVIER-STOKES
01/15/2002 - 01/15/2003 FY02: $0 Total: $0
Prin. Invest.: D L DARMOFAL
Tech. Officer: LARC/J L THOMAS, LARC/E J NIELSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02038 MASSACHUSETTS INST OF TECHNOLOGY 5596
IDENTIFICATION OF KEY CONSTRAINTS AND SYSTEM DYNAMICS IN THE NAS TO SUPPORT EVALUATION
01/25/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: R J HANSMAN
Tech. Officer: LARC/R E YACKOVETSKY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02040 MASSACHUSETTS INST OF TECHNOLOGY 5597
CAPRI: USING A GEOMETRIC FOUNDATION FOR COMPUTA- TIONAL ANALYSIS AND DESIGN
01/18/2002 - 01/17/2005 FY02: $0 Total: $0
Prin. Invest.: R HAIMES
Tech. Officer: LARC/W T JONES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 729 MASSACHUSETTS INST OF TECHNOLOGY 5598
MODELING INFORMATION PROCESSING IN FLIGHT MANAGEM ENT
08/27/1991 - 06/30/2001 FY02: $0 Total: $994,962
Prin. Invest.: T B SHERIDAN
Tech. Officer: ARC/S C LOZITO, ARC/E J HARTZELL
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 1136 MASSACHUSETTS INST OF TECHNOLOGY 5599
SDSI IMPLEMENTATION
07/11/1997 - 11/30/2000 FY02: $0 Total: $153,149
Prin. Invest.: R L RIVEST
Tech. Officer: ARC/Y K LIU
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1272 MASSACHUSETTS INST OF TECHNOLOGY 5600
APPLYING ATC AUTOMATION TO ADDRESS ENVRIONMENTAL C ONSIDERATIONS
12/22/1998 - 05/31/2002 FY02: $0 Total: $486,178
Prin. Invest.: J P CLARKE
Tech. Officer: ARC/T TOBIAS, ARC/T J DAVIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1299 MASSACHUSETTS INST OF TECHNOLOGY 5601
HUMAN PERFORMANCE CONSIDERATIONS FOR SHARED INFORM ATION IN DATALINKED AIR TRAFFIC MANAGEMENT SYSTEM
03/03/1999 - 07/31/2003 FY02: $0 Total: $370,533
Prin. Invest.: R J HANSMAN
Tech. Officer: ARC/S C LOZITO
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 1338 MASSACHUSETTS INST OF TECHNOLOGY 5602
SOFTWARE DESIGN FOR AIR-TRAFFIC CONTROL
07/19/1999 - 07/14/2001 FY02: $0 Total: $100,530
Prin. Invest.: D N JACKSON, J CHAPIN
Tech. Officer: ARC/M M ESHOW, ARC/K Y TUNG-CATE
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1350 MASSACHUSETTS INST OF TECHNOLOGY 5603
EFFECT OF GROWTH STARVATION UNDER SIMULATED MICRO- GRAVITY ON THE BACTERIAL STRESS & SECONDARY METAB
07/21/1999 - 07/14/2002 FY02: $0 Total: $599,947
Prin. Invest.: A L DEMAIN
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1388 MASSACHUSETTS INST OF TECHNOLOGY 5604
HYBRID ADAPTIVE METHODS FOR THE DEVELOPMENT OF MOD EL-BASED AUTONOMOUS ROBOTIC SYSTEMS
12/01/1999 - 11/30/2001 FY02: $0 Total: $790,000
Prin. Invest.: B C WILLIAMS
Tech. Officer: ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1425 MASSACHUSETTS INST OF TECHNOLOGY 5605
MODELING & ANALYSIS OF MULTIPLE ALERTING SYSTEM IN TERACTIONS
07/26/2000 - 02/28/2003 FY02: $0 Total: $171,097
Prin. Invest.: J K KUCHAR
Tech. Officer: ARC/S C LOZITO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1458 MASSACHUSETTS INST OF TECHNOLOGY 5606
SURFACE GENERATION & CARTESIAN MESH SUPPORT
02/27/2001 - 02/28/2003 FY02: $0 Total: $50,139
Prin. Invest.: R HAIMES
Tech. Officer: ARC/M J AFTOSMIS, ARC/G KLUPFER
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1463 MASSACHUSETTS INST OF TECHNOLOGY 5607
SELF-DIRECTED COOPERATIVE PLANETARY ROVERS
03/16/2001 - 02/28/2003 FY02: $0 Total: $270,961
Prin. Invest.: S ZILBERSTEIN
Tech. Officer: ARC/R A MORRIS, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1466 MASSACHUSETTS INST OF TECHNOLOGY 5608
UNIFYING MODEL-BASED SEQUENCE EXECUTION & FAULT PR OTECTION FOR SPACE VEHICLES
03/23/2001 - 03/14/2003 FY02: $0 Total: $471,560
Prin. Invest.: B WILLIAMS
Tech. Officer: ARC/R MORRIS, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1482 MASSACHUSETTS INST OF TECHNOLOGY 5609
UNDERSTANDING THE DYNAMICS OF AGILE SMALL-SCALE RO TORCRAFT
05/09/2001 - 04/30/2002 FY02: $0 Total: $50,000
Prin. Invest.: E FERON
Tech. Officer: ARC/M B TISCHER, ARC/B R LAKINSMITH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1515 MASSACHUSETTS INST OF TECHNOLOGY 5610
DEVELOPMENT OF STOCHASTIC MODELS AND MODULES AND I NTERACTIVE COMMUNICATION CAPABILITIES FOR THE MIT
08/08/2001 - 07/31/2002 FY02: $0 Total: $65,000
Prin. Invest.: J P CLARKE
Tech. Officer: ARC/L A MEYN
CASE Category: 41 – AERONAUTICALENGNR

NAG 2 1540 MASSACHUSETTS INST OF TECHNOLOGY 5611
INTERDISCIPLINARY ANALYSIS OF PRE CAMBRIAN ANIMAL FOSSILS FROM SW CHINA
03/15/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: Y L WANG
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1543 MASSACHUSETTS INST OF TECHNOLOGY 5612
MODEL BASED HAZARD ANALYSIS RESEARCH
03/20/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: N LEVESON
Tech. Officer: ARC/M SHIRLEY, ARC/A WANG
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 2 1548 MASSACHUSETTS INST OF TECHNOLOGY 5613
STOCHASTIC MODELS FOR THE MIT EXTENSIBLE AIR NETWO RK SIMULATION
04/04/2002 - 02/21/2003 FY02: $0 Total: $0
Prin. Invest.: J P CLARKE
Tech. Officer: ARC/L A MEYN, ARC/K ROTH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1552 MASSACHUSETTS INST OF TECHNOLOGY 5614
MOTION PLANNING FOR AGILE MANEUVERING VEHICLES
04/11/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: E FERON
Tech. Officer: ARC/M TISCHLER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1554 MASSACHUSETTS INST OF TECHNOLOGY 5615
ADVANCED NOISE ABATEMENT PROCEDURES FOR APPROACH
04/17/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: J P CLARKE
Tech. Officer: ARC/L TOBIAS, ARC/T J DAVIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 1879 MASSACHUSETTS INST OF TECHNOLOGY 5616
MODELING OF PULSED PLASMA THRUSTER PLUMES
05/22/1996 - 11/30/2000 FY02: $0 Total: $483,000
Prin. Invest.: J B HOWARD
Tech. Officer: GRC/J E BROOKER
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2052 MASSACHUSETTS INST OF TECHNOLOGY 5617
IDENTIFICATION AND CONTROL OF ROTATING STALL MODES IN AXIAL COMPRESSORS
05/27/1997 - 03/31/2001 FY02: $0 Total: $669,476
Prin. Invest.: J PADUANO
Tech. Officer: GRC/M BRIGHT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2078 MASSACHUSETTS INST OF TECHNOLOGY 5618
AERODYNAMICS OF ADVANCED SUBSONIC TRANSPORT INTEGR ATED FAN BYPASS DUCT SYSTEM AND ITS DESIGN
12/18/1997 - 08/31/2001 FY02: $0 Total: $211,012
Prin. Invest.: C S TAN
Tech. Officer: GRC/J J ADAMCZYK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2101 MASSACHUSETTS INST OF TECHNOLOGY 5619
THREE-DIMENSIONAL AERODYNAMIC INSTABILITIES IN MUL TI-STAGE AXIAL COMPRESSORS
12/23/1997 - 01/31/2003 FY02: $0 Total: $289,769
Prin. Invest.: C S TAN
Tech. Officer: GRC/K L SUDER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2155 MASSACHUSETTS INST OF TECHNOLOGY 5620
AN INTEROMETRIC INVESTIGATION OF CONTACT LINE DYNA MICS IN SPREADING POLYMERMELTS AND SOLUTIONS
04/21/1998 - 01/19/2003 FY02: $0 Total: $357,650
Prin. Invest.: G H MCKINLEY
Tech. Officer: GRC/N R HALL
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2178 MASSACHUSETTS INST OF TECHNOLOGY 5621
INTEGRATED HUMAN CENTERED SYSTEMS ANALYSIS OF FUNC TIONAL REQUIREMENTS FOR COCKPIT ICING INFORMATION
07/08/1998 - 12/31/2002 FY02: $0 Total: $239,975
Prin. Invest.: R J HANSMAN
Tech. Officer: GRC/A REEHORST
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2320 MASSACHUSETTS INST OF TECHNOLOGY 5622
AEROTHERMAL PROBABILISTIC DESIGN OF COMPRESSOR BLA DES
01/13/2000 - 03/21/2003 FY02: $0 Total: $258,555
Prin. Invest.: D M DARMOFAL
Tech. Officer: GRC/S PAI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2321 MASSACHUSETTS INST OF TECHNOLOGY 5623
CHARACTERIZATION OF AEROMECHANICS RESPONSE AND INS TABILITY IN FANS, COMPRESSORS, AND TURBINE BLADES
01/13/2000 - 01/13/2003 FY02: $0 Total: $91,034
Prin. Invest.: D S TAN
Tech. Officer: GRC/G L STEFKO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2503 MASSACHUSETTS INST OF TECHNOLOGY 5624
INTRA-ENGINE TRACE SPECIES CHEMISTRY INTRA-ENGINE TRACE SPECIES CHEMISTRY
11/21/2000 - 11/30/2001 FY02: $0 Total: $92,166
Prin. Invest.: D A WAITZ
Tech. Officer: GRC/N LIU
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 3 2506 MASSACHUSETTS INST OF TECHNOLOGY 5625
MICROFABRICATED LIQUID ROCKET MOTORS MICROFABRICATED LIQUID ROCKET MOTORS
11/21/2000 - 11/30/2002 FY02: $0 Total: $128,686
Prin. Invest.: D H EPSTEIN
Tech. Officer: GRC/S SCHNEIDER
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 3 2523 MASSACHUSETTS INST OF TECHNOLOGY 5626
CAPRI USING A GEOMETRIC FOUNDATON FOR COMPUTATIONA L ANALYSIS AND DESIGN
01/17/2001 - 09/11/2002 FY02: $0 Total: $109,920
Prin. Invest.: R HAIMES
Tech. Officer: GRC/G FOLLEN
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2678 MASSACHUSETTS INST OF TECHNOLOGY 5627
MODELING AND INTEGRATION OF ACTIVE INTERNAL FLOW C ONTROL IN AERO-ENGINE COMPRESSORS
12/17/2001 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: D M GREITZER
Tech. Officer: GRC/G WELCH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2685 MASSACHUSETTS INST OF TECHNOLOGY 5628
ARCHITECTURES AND PROTOCOLS FOR NASA'S FUTURE SPAC E NETWORKS
01/08/2002 - 12/20/2004 FY02: $0 Total: $0
Prin. Invest.: D MODIANO
Tech. Officer: GRC/O SANDS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2732 MASSACHUSETTS INST OF TECHNOLOGY 5629
UNSTEADY COMPUTATIONAL CODE VALIDATION AND IMPACT OF UNSTEADY IMPELLER-DIFFUSER INTERACTIONS ON CENT
03/11/2002 - 12/25/2002 FY02: $0 Total: $0
Prin. Invest.: D S TAN
Tech. Officer: GRC/G SKOCH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2767 MASSACHUSETTS INST OF TECHNOLOGY 5630
TURBOMACHINERY FOR LOW TO HIGH MACH NUMBER FLIGHT TURBOMACHINERY FOR LOW TO HIGH MACH NUMBER FLIGHT
04/11/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: D S TAN
Tech. Officer: GRC/K SUDER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 3558 MASSACHUSETTS INST OF TECHNOLOGY 5631
ACCRETING BLACK HOLES - AN ALL OUT EFFORT
12/14/1996 - 12/14/2002 FY02: $0 Total: $182,003
Prin. Invest.: W H LEWIN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3915 MASSACHUSETTS INST OF TECHNOLOGY 5632
SOLAR SYSTEM DYNAMICS
02/21/1997 - 09/30/2002 FY02: $0 Total: $613,900
Prin. Invest.: J WISDOM
Tech. Officer: GSFC/D G SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3939 MASSACHUSETTS INST OF TECHNOLOGY 5633
SMALL MAIN-BELT SPECTROSCOPIC SURVEY
02/12/1997 - 12/31/2001 FY02: $0 Total: $570,720
Prin. Invest.: D P BINZEL
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 3940 MASSACHUSETTS INST OF TECHNOLOGY 5634
STELLAR OCCULTATION STUDIES OF PLUTO, TRITON
02/12/1997 - 11/30/2001 FY02: $0 Total: $494,752
Prin. Invest.: D L ELLIOT
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 3974 MASSACHUSETTS INST OF TECHNOLOGY 5635
ADVANCED GLOBAL ATMOSPHERIC GASES EXPERIMENT (AGAG
02/26/1997 - 01/31/2003 FY02: $0 Total: $2,337,117
Prin. Invest.: R G PRINN
Tech. Officer: GSFC/M J KURYLO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 3977 MASSACHUSETTS INST OF TECHNOLOGY 5636
COLLISION PROCESSES INVOLVING ATMOSPHERIC FREE RAD INFRARED ABSORBERS
02/26/1997 - 09/30/2001 FY02: $0 Total: $287,633
Prin. Invest.: P STEINFELD
Tech. Officer: GSFC/P L DECOLA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4047 MASSACHUSETTS INST OF TECHNOLOGY 5637
INVESTIGATION OF VENUS SURFACE PROPERTIES
03/10/1997 - 12/31/2001 FY02: $0 Total: $165,000
Prin. Invest.: D G FORD
Tech. Officer: GSFC/J G GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4434 MASSACHUSETTS INST OF TECHNOLOGY 5638
RESEARCH PARTICIPATION IN THE MARS ORBITING LASER
04/28/1997 - 12/31/2002 FY02: $0 Total: $409,282
Prin. Invest.: G H PETTENGILL
Tech. Officer: GSFC/D E SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4555 MASSACHUSETTS INST OF TECHNOLOGY 5639
PLANETARY TECTONICS AND VOLCANISM
06/23/1997 - 03/31/2002 FY02: $0 Total: $689,783
Prin. Invest.: D R ZUBER
Tech. Officer: GSFC/H BRINTON
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4768 MASSACHUSETTS INST OF TECHNOLOGY 5640
PHASE EQUILIBRIUM INVESTIGATIONS OF PLANETARY MATE
06/09/1997 - 06/30/2001 FY02: $0 Total: $180,000
Prin. Invest.: P L GROVE
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4806 MASSACHUSETTS INST OF TECHNOLOGY 5641
MARS OBSERVER LASER ALTIMETER
08/01/1997 - 07/31/2001 FY02: $0 Total: $970,797
Prin. Invest.: M T ZUBER
Tech. Officer: GSFC/D E SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4989 MASSACHUSETTS INST OF TECHNOLOGY 5642
CENTER FOR QUANTITATIVE CARDIOVASCULAR PHYSIOLOGY, ANALYSIS
06/27/1997 - 08/31/2001 FY02: $0 Total: $575,000
Prin. Invest.: R COHEN
Tech. Officer: GSFC/V SCHNEIDER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 5271 MASSACHUSETTS INST OF TECHNOLOGY 5643
FIRST YEAR OF TWO YEAR EFFORT FIRST YEAR OF TWO YEAR EFFORT - A PROGRAM OF
04/17/2000 - 10/01/2002 FY02: $0 Total: $740,000
Prin. Invest.: M SCHATTENBURG
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5329 MASSACHUSETTS INST OF TECHNOLOGY 5644
ADAPTATION OF GAS ELECTRON MULTIPLIER TECHNOLOGY FOR ROUTINE
03/29/2001 - 03/31/2004 FY02: $0 Total: $129,884
Prin. Invest.: A LEVINE
Tech. Officer: GSFC/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5330 MASSACHUSETTS INST OF TECHNOLOGY 5645
ADVANCED SILICON DETECTORS FOR HIGH ENERGY ASTROPH YSICS MISSIONS
07/09/2002 - 07/02/2004 FY02: $0 Total: $0
Prin. Invest.: G RICKER
Tech. Officer: GSFC/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6063 MASSACHUSETTS INST OF TECHNOLOGY 5646
VERTICAL ACCURACY IMPROVEMENT FOR VLBI AND GPS
08/01/1997 - 07/14/2001 FY02: $0 Total: $272,990
Prin. Invest.: A E NIELL
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6710 MASSACHUSETTS INST OF TECHNOLOGY 5647
PHYSICAL MECHANISMS CONTROLLING UPPER TROPOSPHERIC WATER VAPOR AS REVEALED BY MLS DATA FROM U
12/17/1997 - 11/30/2001 FY02: $0 Total: $278,000
Prin. Invest.: D NEWELL
Tech. Officer: GSFC/A DOUGLASS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7012 MASSACHUSETTS INST OF TECHNOLOGY 5648
JETS IN AGN: NUMERICAL SIMULATIONS IN RELATIVISTIC MHD - ATP
02/19/1998 - 02/28/2003 FY02: $0 Total: $182,915
Prin. Invest.: M H VAN PUTTEN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7194 MASSACHUSETTS INST OF TECHNOLOGY 5649
ATLANTIC OCEAN PROCESSES FROM SUBPOLAR REGIONS TO THE SOUTHERN SUBTRO- PICAL GYRE:MODEL/DATA COMPAR
03/26/1998 - 04/30/2001 FY02: $0 Total: $498,840
Prin. Invest.: P RIZZOLI
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7279 MASSACHUSETTS INST OF TECHNOLOGY 5650
XTE PROPOSAL - DOES PRECESSION OF THE ACCRETION DI SK OF SMC X-1 CAUSE A VARIATION IN THE PULSE PR
04/15/1998 - 04/14/2001 FY02: $0 Total: $10,125
Prin. Invest.: G W CLARK
Tech. Officer: GSFC/J SWANK
CASE Category: 11 – ASTRONOMY

NAG 5 7475 MASSACHUSETTS INST OF TECHNOLOGY 5651
THE VALUE OF DISTRIBUTED MODELING TO FLOOD FORECAS TING
06/18/1998 - 08/31/2002 FY02: $0 Total: $382,143
Prin. Invest.: R BRASS
Tech. Officer: GSFC/E ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7487 MASSACHUSETTS INST OF TECHNOLOGY 5652
THIS PR PROVIDES FUNDING TO A MIT GRANT ON "PASSIV E MICROWAVE STUDIES OFATMOSPHERIC PRECIPITATION A
06/05/1998 - 03/31/2002 FY02: $0 Total: $355,000
Prin. Invest.: D STAELIN
Tech. Officer: GSFC/J C SHIUE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7525 MASSACHUSETTS INST OF TECHNOLOGY 5653
USE OF SATELLITE REMOTE SENSING TO STUDY THE ROLE OF RAINFOR- ESTS IN TROPICAL CLIMATE
06/08/1998 - 12/31/2002 FY02: $0 Total: $311,993
Prin. Invest.: E ELTAHIR
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7794 MASSACHUSETTS INST OF TECHNOLOGY 5654
INTERCALIBRATION AND CROSS-CORRELATION OF ACE AND WIND SOLAR WIND DATA
12/10/1998 - 09/30/2002 FY02: $0 Total: $203,205
Prin. Invest.: D J LAZARUS
Tech. Officer: GSFC/D C LING
CASE Category: 11 – ASTRONOMY

NAG 5 7839 MASSACHUSETTS INST OF TECHNOLOGY 5655
STRUCTURAL DYNAMICS & CONTROLS ANALYSES, SIMULATIO NS, AND TESTBEDS FOR THENEXT GENERATION SPACE T
12/16/1998 - 05/31/2002 FY02: $0 Total: $412,910
Prin. Invest.: D W MILLER
Tech. Officer: GSFC/G MOSIER
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 7857 MASSACHUSETTS INST OF TECHNOLOGY 5656
A SYNTHESIS OF THE GLOBAL WOCE OBSERVATIONS OF THE OCEANIC CIRCULATION
12/10/1998 - 12/31/2001 FY02: $0 Total: $787,330
Prin. Invest.: C WUNSCH
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7967 MASSACHUSETTS INST OF TECHNOLOGY 5657
A SERARCH FOR THE SOLAR SOURCES OF HIGH-SPEED SOLA R WIND STREAMS
01/15/1999 - 12/14/2002 FY02: $0 Total: $288,490
Prin. Invest.: D J LAZARUS
Tech. Officer: GSFC/D C LING
CASE Category: 11 – ASTRONOMY

NAG 5 8031 MASSACHUSETTS INST OF TECHNOLOGY 5658
REDUCTION AND SCIENTIFIC ANALYSIS OF DATA FROM IMP -8
01/19/1999 - 12/31/2002 FY02: $0 Total: $312,734
Prin. Invest.: A J LAZARUS
Tech. Officer: GSFC/J KING
CASE Category: 11 – ASTRONOMY

NAG 5 8045 MASSACHUSETTS INST OF TECHNOLOGY 5659
SCIENTIFIC ANALYSIS OF DATA FOR THE ISTP/SOLARMAX PROGRAM
01/11/1999 - 01/14/2002 FY02: $0 Total: $99,954
Prin. Invest.: A J LAZARUS
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 8063 MASSACHUSETTS INST OF TECHNOLOGY 5660
PULSAR WIND NEBULAE, SPACE VELOCITIES, & SUPERNOVA REMNANT ASSOCIATIONS LTSA 98
01/13/1999 - 01/14/2004 FY02: $0 Total: $144,000
Prin. Invest.: V M KASPI
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8368 MASSACHUSETTS INST OF TECHNOLOGY 5661
FORMATION AND EVOLUTION OF BINARY SYSTEMS CONTAINI NG COL-LAPSED STARS (ATP 98)
03/01/1999 - 04/30/2003 FY02: $0 Total: $161,810
Prin. Invest.: S A RAPPAPORT
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8460 MASSACHUSETTS INST OF TECHNOLOGY 5662
THEORETICAL STUDIES OF BINARY SYSTEMS CONTAINING C OLLAPSED STARS
04/16/1999 - 07/31/2001 FY02: $0 Total: $237,669
Prin. Invest.: F A RASIO
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8617 MASSACHUSETTS INST OF TECHNOLOGY 5663
TWO-WAY BIOSPHERE-ATMOSPHERE INTERACTIONS: THEIR IMPLICA-TIONS FOR SATELLITE OBSERVATIONS OF REGIONA
06/14/1999 - 06/30/2002 FY02: $0 Total: $199,247
Prin. Invest.: E B ELTAHIR
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8668 MASSACHUSETTS INST OF TECHNOLOGY 5664
DIRECT DEPOSITION OF OPTICAL BLOCKING FILTERS ON CCD X-RAY DETECTORS
07/07/1999 - 09/30/2001 FY02: $0 Total: $172,793
Prin. Invest.: M W BAUTZ
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 11 – ASTRONOMY

NAG 5 8707 MASSACHUSETTS INST OF TECHNOLOGY 5665
IMPLICATIONS OF LUNAR PROSPECTOR DATA FOR LUNAR GEOPHYSICS
07/20/1999 - 07/31/2002 FY02: $0 Total: $172,347
Prin. Invest.: M T ZUBER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8720 MASSACHUSETTS INST OF TECHNOLOGY 5666
INVESTIGATION OF SOLAR WIND CORRELATIONS & MODIFI- CATIONS NEAR EARTH USING MULTI-SPACECRAFT OBSERVA
08/03/1999 - 07/31/2002 FY02: $0 Total: $70,500
Prin. Invest.: J I RICHARDSON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8776 MASSACHUSETTS INST OF TECHNOLOGY 5667
RESIN-SPINNING OF SYNTHETIC POLYMER FIBERS WITH SILK-LIKE PROP-ERTIES
08/31/1999 - 08/31/2003 FY02: $0 Total: $385,000
Prin. Invest.: G MCKINLEY
Tech. Officer: GSFC/R CROUCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8814 MASSACHUSETTS INST OF TECHNOLOGY 5668
TEMPO OF THE PERMIAN MASS EXTINCTIONS & RECOVERIES
09/29/1999 - 04/01/2002 FY02: $0 Total: $228,000
Prin. Invest.: S A BOWRING
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8887 MASSACHUSETTS INST OF TECHNOLOGY 5669
LABORATORY STUDIES OF HOMOGENEOUS & HETEROGENEOUS CHEMI-CAL PROCESSES OF IMPORTANCE IN THE UPPER ATMO
12/02/1999 - 12/31/2002 FY02: $0 Total: $399,610
Prin. Invest.: M MOLINA
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8947 MASSACHUSETTS INST OF TECHNOLOGY 5670
MODELING THE EXTENDED NEUTRAL ATMOSPHERE & PLASMA ENVIRON-MENT NEAR SATURN/FOLLOW-ON TO NAG5-6129
01/18/2000 - 07/14/2003 FY02: $0 Total: $122,734
Prin. Invest.: J D RICHARDSON
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERICSCIENCE

NAG 5 9057 MASSACHUSETTS INST OF TECHNOLOGY 5671
NEW GPS SITES ON THE ARABIAN PLATE TO EXPAND THE IGS NETWORK & TO SUPPORT MEASUREMENTS OF THE RED
02/15/2000 - 02/28/2003 FY02: $0 Total: $18,000
Prin. Invest.: R E REILINGER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9080 MASSACHUSETTS INST OF TECHNOLOGY 5672
DEVELOPMENT OF SOLID-STATE LOCAL-OSCILLATOR SOURCE FOR TERA-HERTZ FREQUENCIES
02/17/2000 - 02/28/2003 FY02: $0 Total: $282,000
Prin. Invest.: Q HU
Tech. Officer: GSFC/S NIEBUR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9117 MASSACHUSETTS INST OF TECHNOLOGY 5673
SELF-ORGANIZED CRITICALITY, MULTIFRACTALS, & INTER MITTENT TUR-BULENCE IN EARTH'S MAGNETOTAIL
02/24/2000 - 02/28/2003 FY02: $0 Total: $88,637
Prin. Invest.: T CHANG
Tech. Officer: GSFC/J SHARBER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9120 MASSACHUSETTS INST OF TECHNOLOGY 5674
NEW ENERGETIC RADIO PULSARS: AN ARCHIVAL X-RAY SURVEY - ADP 99
02/29/2000 - 02/28/2002 FY02: $0 Total: $29,166
Prin. Invest.: V M KASPI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9135 MASSACHUSETTS INST OF TECHNOLOGY 5675
RXTE OBSERVATIONS OF BLACK HOLE CANDIDATES ADP99
02/28/2000 - 06/30/2002 FY02: $0 Total: $30,000
Prin. Invest.: W H LEWIN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9143 MASSACHUSETTS INST OF TECHNOLOGY 5676
APPLICATIONS OF AIRBORNE & ORBITAL LASER ALTIMETRY FOR COASTAL PROCESSES & MARINE STATIC GRAVITY
02/29/2000 - 02/28/2002 FY02: $0 Total: $126,436
Prin. Invest.: M T ZURBER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9164 MASSACHUSETTS INST OF TECHNOLOGY 5677
LONG-TERM MONITORING OF ANOMALOUS X-RAY PULSARS WITH RXTE - ADP 99
03/08/2000 - 03/14/2002 FY02: $0 Total: $58,265
Prin. Invest.: D CHARKRABARTY
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9184 MASSACHUSETTS INST OF TECHNOLOGY 5678
ACCRETING NEUTRON STARS AS ASTROPHYSICAL LABORATOR IES LTSA-99
03/07/2000 - 03/14/2005 FY02: $0 Total: $240,744
Prin. Invest.: D CHARKRABARTY
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9185 MASSACHUSETTS INST OF TECHNOLOGY 5679
TIMING THE MILLISECOND X-RAY PULSAR WITH RXTE - ADP - 99
03/07/2000 - 03/14/2002 FY02: $0 Total: $58,866
Prin. Invest.: D CHAKRABARTY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9189 MASSACHUSETTS INST OF TECHNOLOGY 5680
X-RAY PULSAR STUDIES WITH RXTE - ADP 99
03/08/2000 - 03/14/2003 FY02: $0 Total: $40,000
Prin. Invest.: S RAPPAPORT
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9211 MASSACHUSETTS INST OF TECHNOLOGY 5681
A SEARCH FOR EVIDENCE OF NON-THERMAL EMISSION FROM THE SUPERNOVA REMNANTS 37A/B (ADP 99)
03/09/2000 - 03/14/2002 FY02: $0 Total: $7,709
Prin. Invest.: G ALLEN
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9235 MASSACHUSETTS INST OF TECHNOLOGY 5682
A MEASUREMENT OF THE NON-THERMAL X-RAY EMISSION OF THE SUPERNOVA REMNANTRX J1713.7-3946 - ADP 99
03/09/2000 - 03/14/2002 FY02: $0 Total: $8,769
Prin. Invest.: G ALLEN
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9237 MASSACHUSETTS INST OF TECHNOLOGY 5683
A STUDY OF THE NON-THERMAL X-RAY EMISSION OF SHELL -TYPE SUPERNOVA REMNANTS - LTSA99
03/09/2000 - 03/14/2005 FY02: $0 Total: $204,300
Prin. Invest.: G ALLEN
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9445 MASSACHUSETTS INST OF TECHNOLOGY 5684
CARBONATE PLATFORM DEVELOPMENT & STROMATOLITE MORP HOGEN-ESIS: CONSTRAITS ON ENVIRONMENTAL & BIOLOGIC
05/01/2000 - 04/30/2004 FY02: $0 Total: $117,750
Prin. Invest.: J GROTZINGER
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9525 MASSACHUSETTS INST OF TECHNOLOGY 5685
PHASE EQUILIBRIUM INVESTIGATIONS OF PLANETARY MATE RIALS
04/28/2000 - 06/30/2003 FY02: $0 Total: $122,000
Prin. Invest.: T L GROVE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9616 MASSACHUSETTS INST OF TECHNOLOGY 5686
SOLAR WIND ACCELERATION, HEATING, & EVOLUTION WITH WAVE-PARTICLE
05/23/2000 - 04/30/2003 FY02: $0 Total: $107,441
Prin. Invest.: T CHANG
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9622 MASSACHUSETTS INST OF TECHNOLOGY 5687
DEVELOPMENT OF 25-YEAR IMP 8 BOW SHOCK CROSSING LIST, INGES-TION OF THIS LISTTO CDAWEB, & ENHANCEM
05/19/2000 - 05/31/2003 FY02: $0 Total: $42,764
Prin. Invest.: J RICHRADSON
Tech. Officer: GSFC/J KING
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9637 MASSACHUSETTS INST OF TECHNOLOGY 5688
THE USE OF TRMM LIS & GEOSTATIONARY IR DATA TO STU DY LAND-OCEAN DIFFER- ENCES IN CONVEC. & THEIR RE
07/07/2000 - 11/30/2002 FY02: $0 Total: $143,286
Prin. Invest.: E R WILLIAMS
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9640 MASSACHUSETTS INST OF TECHNOLOGY 5689
APPLICATIONS OF TRMM PRODUCTS IN HYDROLOGIC STUDIES OVER THE AMAZON REGION
07/07/2000 - 11/30/2002 FY02: $0 Total: $446,131
Prin. Invest.: R L BRAS
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9763 MASSACHUSETTS INST OF TECHNOLOGY 5690
OPTICAL INTERFEROMETER STUDIES OF OTHER PLANETARY SYSTEMS
06/27/2000 - 12/31/2002 FY02: $0 Total: $70,000
Prin. Invest.: B F BURKE
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9962 MASSACHUSETTS INST OF TECHNOLOGY 5691
DISENTANGLING X-RAY EMISSION PROCESSES IN VELA- LIKE PULSARS
09/22/2000 - 01/31/2002 FY02: $0 Total: $36,625
Prin. Invest.: B M GAENSLER
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10008 MASSACHUSETTS INST OF TECHNOLOGY 5692
STUDYING THE INTERGALACTIC MEDIUM THROUGH X-RAY ABSORPTION LINES
09/25/2000 - 09/30/2003 FY02: $0 Total: $44,500
Prin. Invest.: C R CANIZARES
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10107 MASSACHUSETTS INST OF TECHNOLOGY 5693
XMM OBSERVATIONS OF LOW MASS GROUPS
12/01/2000 - 11/30/2002 FY02: $0 Total: $28,000
Prin. Invest.: D S DAVIS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10192 MASSACHUSETTS INST OF TECHNOLOGY 5694
XMM OBSERVATIONS OF BLACK-HOLE X-RAY BINARIES IN OUTBURST
12/28/2000 - 12/31/2002 FY02: $0 Total: $22,900
Prin. Invest.: W LEWIN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10328 MASSACHUSETTS INST OF TECHNOLOGY 5695
COMPOSITION OF HYDRATED M AND E-CLASS ASTEROIDS: A SEARCH FOR ANALOGS
01/26/2001 - 01/31/2002 FY02: $0 Total: $23,000
Prin. Invest.: A RIVKIN
Tech. Officer: GSFC/D SENKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10389 MASSACHUSETTS INST OF TECHNOLOGY 5696
RELIEF EVOLUTION IN TECTONICALLY ACTIVE MOUNTAIN RANGERS
02/08/2001 - 02/14/2003 FY02: $0 Total: $50,049
Prin. Invest.: K X WHIPPLE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10440 MASSACHUSETTS INST OF TECHNOLOGY 5697
AGENT BASED SOFTWARE FOR THE AUTONOMOUS CONTROL OF FORMA-TION FLYING SPACECRAFT PROPOSAL 864
03/07/2001 - 03/14/2004 FY02: $0 Total: $366,548
Prin. Invest.: D P HOW
Tech. Officer: GSFC/N J DENNEHY
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 10444 MASSACHUSETTS INST OF TECHNOLOGY 5698
STELLAR OCCULTATION STUDIES OF SMALL BODIES IN THE OUTER SOLAR SYSTEM
02/20/2001 - 01/31/2004 FY02: $0 Total: $133,900
Prin. Invest.: J ELLIOT
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10604 MASSACHUSETTS INST OF TECHNOLOGY 5699
WATER OF HYDRATION ON C-CLASS ASTEROIDS: DOES SIZE MATTER
03/15/2001 - 03/14/2004 FY02: $0 Total: $35,934
Prin. Invest.: A RIVKIN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10613 MASSACHUSETTS INST OF TECHNOLOGY 5700
HIGH SENSITIVITY OPTICAL TECHNIQUES FOR ATMOSPHERI C SPECTROS-COPY, KINETICS,AND REMOTE SENSING
03/27/2001 - 03/31/2004 FY02: $0 Total: $76,121
Prin. Invest.: J I STEINFELD
Tech. Officer: GSFC/M KURYLO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10684 MASSACHUSETTS INST OF TECHNOLOGY 5701
DYNAMICS OF LANDSCAPE CHANGE IN RAPIDLY ERODING REGIONS
03/30/2001 - 03/31/2004 FY02: $0 Total: $75,313
Prin. Invest.: R L BRAS
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10711 MASSACHUSETTS INST OF TECHNOLOGY 5702
A PARTICLE PHYSICS EXPERIMENT IN SPACE
04/06/2001 - 03/31/2003 FY02: $0 Total: $10,000,000
Prin. Invest.: S C TING
Tech. Officer: GSFC/M SISTILLI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10728 MASSACHUSETTS INST OF TECHNOLOGY 5703
APPLICATION OF EXPERIMENTAL PETROLOGY TO AID IN THE INTERPRETATION OF THE MARS PATHFINDER ROCK
04/10/2001 - 04/30/2004 FY02: $0 Total: $40,000
Prin. Invest.: T GROVE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10793 MASSACHUSETTS INST OF TECHNOLOGY 5704
ATLANTIC OCEAN PROCESSES FROM SUBPOLAR REGIONS TO THE SOUTHERN SUBTROPICAL GYRE: MODEL/DATA COMPAR
04/25/2001 - 10/31/2001 FY02: $0 Total: $69,010
Prin. Invest.: P RIZZOLI
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10815 MASSACHUSETTS INST OF TECHNOLOGY 5705
LOW-MASS X-RAY BINARIES WITH RXTE (ADP 2000)
05/03/2001 - 12/31/2002 FY02: $0 Total: $40,171
Prin. Invest.: W H LEWIN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10915 MASSACHUSETTS INST OF TECHNOLOGY 5706
MO&DA FOR THE FARADAY CUP PORTION OF THE WIND SWE EXPERIMENT
05/21/2001 - 05/31/2005 FY02: $0 Total: $120,000
Prin. Invest.: A LAZARUS
Tech. Officer: GSFC/K OGILVIE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11113 MASSACHUSETTS INST OF TECHNOLOGY 5707
PLANETARY TOPOGRAPHY AND GRAVITY
07/18/2001 - 07/31/2004 FY02: $0 Total: $249,999
Prin. Invest.: M T ZUBER
Tech. Officer: GSFC/D E SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11268 MASSACHUSETTS INST OF TECHNOLOGY 5708
SDM VIRTUALNESS PROJECT
08/17/2001 - 11/30/2002 FY02: $0 Total: $300,000
Prin. Invest.: J KLEIN
Tech. Officer: GSFC/T MATURO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11285 MASSACHUSETTS INST OF TECHNOLOGY 5709
LARGE-SCALE ATMOSPHERIC TRANSPORT PROCESSES
08/17/2001 - 08/31/2004 FY02: $0 Total: $149,675
Prin. Invest.: R A PLUMB
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11390 MASSACHUSETTS INST OF TECHNOLOGY 5710
MICROWAVE OBSERVATIONS PRECIPITATION AND THE ATMOS PHERE
12/05/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: D STAELIN
Tech. Officer: GSFC/J C SHIUE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11536 MASSACHUSETTS INST OF TECHNOLOGY 5711
SOLAR SYSTEM DYNAMICS
01/03/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: J WISDOM
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11575 MASSACHUSETTS INST OF TECHNOLOGY 5712
RESEARCH PARTICIPATION IN THE MARS ORBITING LASER ALTIMETER EXPERIMENT
01/09/2002 - 01/14/2004 FY02: $0 Total: $0
Prin. Invest.: G H PETTENGHILL
Tech. Officer: GSFC/D E SMITH
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11602 MASSACHUSETTS INST OF TECHNOLOGY 5713
DIRECT ASSIMILATION OF REMOTELY SENSED LAND SURFACE TEMPERATURE FOR THE ESTIMATION OF SURFACE
01/17/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: D ENTEKHABI
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11617 MASSACHUSETTS INST OF TECHNOLOGY 5714
IDENTIFICATION OF AQUEOUS ALTERATION PRODUCTS ON L OW-ALBEDO ASTEROIDS
01/17/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: A S RIVKIN
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11623 MASSACHUSETTS INST OF TECHNOLOGY 5715
PROPAGATION OF INTERPLANETARY DISTURBANCES
01/22/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: C WANG
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11650 MASSACHUSETTS INST OF TECHNOLOGY 5716
PLANETARY GEOPHYSICS AND TECTONICS
01/29/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: M T ZUBER
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11683 MASSACHUSETTS INST OF TECHNOLOGY 5717
GALACTIC BLACK HOLE CANDIDATE GRS 1758-258 IN THE OFF/SOFT STATE
01/31/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: W LEWIN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11721 MASSACHUSETTS INST OF TECHNOLOGY 5718
AN INVESTIGATION OF ENSEMBLE METHODS FOR DIRECT AS SIMILATION OF REMOTE SENSING DATA
02/06/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: D B MCLAUGHLIN
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11746 MASSACHUSETTS INST OF TECHNOLOGY 5719
ATLANTIC OCEAN TROPICAL/SUBTROPICAL PROCESSES FROM SEASONAL TO THE DECADAL TIME SCALES: MODEL
02/22/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: P RIZZOLI
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11878 MASSACHUSETTS INST OF TECHNOLOGY 5720
AN XMM-NEWTON OBSERVATION OF THE NEW GALACTIC BLAC K HOLE XTE J1650-500
03/15/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: W LEWIN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11930 MASSACHUSETTS INST OF TECHNOLOGY 5721
XMM OBSERVATIONS OF X-RAY EMISSION FROM SUPERNOVAE
04/03/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: W LEWIN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11933 MASSACHUSETTS INST OF TECHNOLOGY 5722
A SYNTHESIS ON THE GLOBAL WOCE OBSERVATIONS OF THE OCEANIC GENERAL CIRCULATION
04/01/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: C WUNSCH
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12099 MASSACHUSETTS INST OF TECHNOLOGY 5723
STUDIES OF TRACE GAS CHEMICAL CYCLES USING OBSERVA TIONS, INVERSE METHODSANDGLOBAL CHEMICAL TRANSPO
07/31/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: R G PRINN
Tech. Officer: GSFC/P L DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12195 MASSACHUSETTS INST OF TECHNOLOGY 5724
FORMATION CONTROL EXPERIMENTS INSIDE THE SPACE STA TION
05/23/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: D MILLER
Tech. Officer: GSFC/R CARPENTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12355 MASSACHUSETTS INST OF TECHNOLOGY 5725
PHYSICAL CHARACTERIZATION OF THE NEO POPULATION
07/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: R BINZEL
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12356 MASSACHUSETTS INST OF TECHNOLOGY 5726
HYDROCARBON BIOMARKER STRATIGRAPHY OF C-ISOTOPIC E XCURSIONS MARKING CHEMICAL CHANGES IN THE OCE
07/08/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: R SUMMONS
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 12377 MASSACHUSETTS INST OF TECHNOLOGY 5727
CON-X EVENT DRIVEN CCD IMAGER TECHNOLOGY (EDCCD)
07/15/2002 - 07/14/2003 FY02: $0 Total: $0
Prin. Invest.: D RICKER
Tech. Officer: GSFC/K HARTMAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 12490 MASSACHUSETTS INST OF TECHNOLOGY 5728
CONSTRAINING OCEANIC COURCES AND SINKS OF C02 BY I NVERSE MODELING: A FIRST STOP TOWARD ASSIMILAT
08/28/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: M FELLOWS
Tech. Officer: GSFC/C TREES
CASE Category: 33 – OCEANOGRAPHY

NAG 5 12515 MASSACHUSETTS INST OF TECHNOLOGY 5729
ICAP 2002: INTERNATIONAL CONFERENCE ON ATOMIC PHYS ICS
08/27/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: D PRITCHARD
Tech. Officer: GSFC/D SPEARS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12522 MASSACHUSETTS INST OF TECHNOLOGY 5730
FORMATION, EVOLUTION, AND POPULATION SYNTHESIS OF BINARY SYSTEMS CONTAINING COLLASPSED STARS
08/22/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: S A RAPPORT
Tech. Officer: GSFC/M SALAMON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1435 MASSACHUSETTS INST OF TECHNOLOGY 5731
TOWARDS PRECISION EXPERIMENTS WITH BOSE-EINSTEIN CONDENSATES
02/03/1998 - 01/31/2003 FY02: $0 Total: $339,650
Prin. Invest.: W KETTERLE
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1487 MASSACHUSETTS INST OF TECHNOLOGY 5732
IDENTIFICATION AND CONTROL OF GRAVITY RELATED DEFECT FORMATION DURING MELT GROWTH OF ELECTROOPTI
02/13/1998 - 01/31/2003 FY02: $0 Total: $601,495
Prin. Invest.: A WITT
Tech. Officer: MSFC/M PURVEY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1524 MASSACHUSETTS INST OF TECHNOLOGY 5733
DIRECT USE OF SATELLITE REMOTE SENSING IN THE ESTIMATION OF HYUDROLOGIC TRANSPORTS
05/22/1998 - 08/31/2001 FY02: $0 Total: $434,701
Prin. Invest.: D ENTEKHABI
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1659 MASSACHUSETTS INST OF TECHNOLOGY 5734
KINETIC EVOLUTION OF STABLE AND METASTABLE STATES IN PROTEIN SOLUTIONS.
05/10/2000 - 11/30/2003 FY02: $0 Total: $164,500
Prin. Invest.: G BENEDEK
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1685 MASSACHUSETTS INST OF TECHNOLOGY 5735
THE ROLE OF CONVECTION AND GROWTH COMPETITITON IN PHASE SELECTION IN MICROGRAVITY
05/11/2000 - 11/30/2003 FY02: $0 Total: $252,200
Prin. Invest.: M C FLEMING
Tech. Officer: MSFC/P DOTY
CASE Category: 13 – PHYSICS

NAG 8 1688 MASSACHUSETTS INST OF TECHNOLOGY 5736
FORCES DURING MANUFACTURE AND ASSEMBLY OF MICROSCALE DISCRETE ELECTRONIC COMPONENTS.
05/17/2000 - 11/30/2003 FY02: $0 Total: $162,962
Prin. Invest.: M CIMA
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1689 MASSACHUSETTS INST OF TECHNOLOGY 5737
FROM OXYGEN GENERATIONTO METAL PRODUCTION: IN-SITU RESOURCE UTILIZATION BY MOLTEN OXIDE ELECTROLYSIS
06/05/2000 - 11/30/2003 FY02: $0 Total: $125,500
Prin. Invest.: R SADOWAY
Tech. Officer: MSFC/P DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1768 MASSACHUSETTS INST OF TECHNOLOGY 5738
INCREMENTAL FUNDING FOR TOWARDS PRECISION EXPERI- MENTS WITH BOSE EINSTEIN CONDENSATES II
05/14/2001 - 05/13/2005 FY02: $0 Total: $40,000
Prin. Invest.: W KETTERLE
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1872 MASSACHUSETTS INST OF TECHNOLOGY 5739
AUTOMATED EXTRACTION OF FLOW FEATURES
05/29/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: R HAIMES
Tech. Officer: MSFC/S MILLER DORNEY
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1003 MASSACHUSETTS INST OF TECHNOLOGY 5740
MICROGRAVITY INVESTIGATION & CREW REACTION IN 0-G
04/29/1998 - 08/31/2002 FY02: $0 Total: $268,557
Prin. Invest.: D J NEWMAN, S BECK
Tech. Officer: JSC/B WOOLFORD
CASE Category: 56 – MEDICL

NAG 9 1004 MASSACHUSETTS INST OF TECHNOLOGY 5741
ADVANCED DISPLAYS & CONTROLS FOR 6 DOF ORIENTATION
05/06/1998 - 06/10/2002 FY02: $0 Total: $543,296
Prin. Invest.: C M OMAN
Tech. Officer: JSC/J DETROVE
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1089 MASSACHUSETTS INST OF TECHNOLOGY 5742
ROBOTIC TECHNOLOGY AND FUTURE SPACE SUIT DEVELOPMENT
03/05/1999 - 02/28/2003 FY02: $0 Total: $562,946
Prin. Invest.: D J NEWMAN
Tech. Officer: JSC/B J WOOLFORD
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1224 MASSACHUSETTS INST OF TECHNOLOGY 5743
FOKKER-PLANCK STUDIES OF HELICON OPERATON-VASIMR E XPERIMENT
03/23/2000 - 01/31/2002 FY02: $0 Total: $145,000
Prin. Invest.: K MOLVIG, O V BATISHCHAV
Tech. Officer: JSC/F R CHANG-DIAZ
CASE Category: 13 – PHYSICS

NAG 9 1443 MASSACHUSETTS INST OF TECHNOLOGY 5744
AUTONOMOUS BEHAVIORS BY ROBOTIC ASSISTANTS
08/09/2002 - 07/31/2004 FY02: $0 Total: $0
Prin. Invest.: C BREAZEAL
Tech. Officer: JSC/R T SAVELY
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 1455 MASSACHUSETTS INST OF TECHNOLOGY 5745
STUDY OF HELICON SOURCE OPERATION IN VASIMIR
09/06/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: K MOLVING, O BATISHCHEV
Tech. Officer: JSC/F CHANG-DIAZ
CASE Category: 13 – PHYSICS

NAS 1 02044 MASSACHUSETTS INST OF TECHNOLOGY 5746
FUNCTIONALLY SILENT AIRCRAFT TO TRANSFORM COMMERCIAL AIR TRANSPORTATION
04/12/2002 - 04/11/2004 FY02: $0 Total: $0
Prin. Invest.: Z S SPAKOVSKY
Tech. Officer: LARC/R H THOMAS
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 2 02056 MASSACHUSETTS INST OF TECHNOLOGY 5747
FUNDAMENTAL TECHNOLOGIES FOR DEVELOPMENT OF BIOMOL ECULAR SESONRS
12/20/2001 - 12/20/2004 FY02: $0 Total: $0
Prin. Invest.: T M SWAGER
Tech. Officer: ARC/J W HINES, ARC/P P FUNG
CASE Category: 56 – MEDICL

NAS 3 01153 MASSACHUSETTS INST OF TECHNOLOGY 5748
INTRA ENGINE TRACE SPECIES CHEMISTRY
05/09/2001 - 08/10/2004 FY02: $0 Total: $225,000
Prin. Invest.: I A WAITZ
Tech. Officer: GRC/N S LIU
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 5 02094 MASSACHUSETTS INST OF TECHNOLOGY 5749
ASTRO-E2 MISSION X-RAY IMAGING SPECTROMETER CHARGE COUPLED DEVICE SENSOR BASES & ANALOG ELECTRONICS
08/08/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: W MAYER
Tech. Officer: GSFC/D MARGOLIES
CASE Category: 42 – ASTRONAUTICAL ENGR

NAS 5 30612 MASSACHUSETTS INST OF TECHNOLOGY 5750
ALL SKY MONITOR INSTRUMENTS
12/15/1989 - 01/31/2003 FY02: $0 Total: $27,357,767
Prin. Invest.: H BRADT
Tech. Officer: GSFC/W DAVIS
CASE Category: 11 – ASTRONOMY

NAS 5 31376 MASSACHUSETTS INST OF TECHNOLOGY 5751
RECURSIVE ESTIMATION OF GEOGRAPHICAL PRODUCTS WITH AIRS/AMSU DATA (EOS INVESTIGATION)
01/10/1992 - 06/14/2003 FY02: $0 Total: $1,953,000
Prin. Invest.: D H STACLIN, P W ROSENKRANZ
Tech. Officer: GSFC/E KREINS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAS 5 99007 MASSACHUSETTS INST OF TECHNOLOGY 5752
GLAS SCIENCE TEAM
12/02/1998 - 12/01/2002 FY02: $0 Total: $465,000
Prin. Invest.: T A HERRING
Tech. Officer: GSFC/G SMITH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 99181 MASSACHUSETTS INST OF TECHNOLOGY 5753
TRIANA FARADAY CUP.
03/17/1999 - 01/01/2001 FY02: $0 Total: $467,083
Prin. Invest.: A J LAZARUS
Tech. Officer: GSFC/K W OGILVIE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 5 99198 MASSACHUSETTS INST OF TECHNOLOGY 5754
POVIDE PERSONNEL, FACILITIES, & EQUIPMENT NECESSARY TO SUPPORT THE SPACE GEODESY PROGRAM.
04/23/1999 - 04/22/2004 FY02: $0 Total: $3,942,622
Prin. Invest.: G CARRIGAN
Tech. Officer: GSFC/W WILDES
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 8 01129 MASSACHUSETTS INST OF TECHNOLOGY 5755
CHANDRA PROGRAM - (SCIENCE INSTRUMENT) HIGH ENERGY TRANSMISSION GRATING (HETG)
03/01/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: C R CANIZARIES
Tech. Officer: MSFC/M C SMITH, MSFC/M S OSBURNE
CASE Category: 11 – ASTRONOMY

NAS 8 38249 MASSACHUSETTS INST OF TECHNOLOGY 5756
AXAF (HETGS)
07/13/1990 - 03/01/2002 FY02: $200,000 Total: $28,823,000
Prin. Invest.: C R CANIZARES
Tech. Officer: MSFC/M E ROSENTHAL
CASE Category: 49 – ENGINEERING, OTHER

NAS 9 00097 MASSACHUSETTS INST OF TECHNOLOGY 5757
UNIQUE FLIGHT AND BASELINE DATA COLLECTION HARDWARE AND DEVELOP
10/25/2000 - 10/25/2005 FY02: $0 Total: $774,887
Prin. Invest.: C M OMAN
Tech. Officer: JSC/D K BAUMAN
CASE Category: 59 – LIFE SCIENCE, OTHER

NASW 4690 MASSACHUSETTS INST OF TECHNOLOGY 5758
HIGH ENERGY TRANSIENT EXPERIMENT TO DETERMINE ORIGIN & NATURE OF GAMMA-RAY BURSTS
03/30/1992 - 11/30/2002 FY02: $0 Total: $26,192,859
Prin. Invest.: G RICKER
Tech. Officer: HQ/D GILMAN, HQ/L KALUZIENSKI
CASE Category: 13 – PHYSICS

NCC 1 323 MASSACHUSETTS INST OF TECHNOLOGY 5759
AEROELASTIC ANALYSIS OF ACTIVE TWIST ROTOR SYSTEM FOR HELICOPTER VIBRATION REDUCTION
12/22/1998 - 10/31/2001 FY02: $0 Total: $180,429
Prin. Invest.: C E CESNIK, N W NAGOOD
Tech. Officer: LARC/M L WILBUR, LARC/W K WILKIE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 415 MASSACHUSETTS INST OF TECHNOLOGY 5760
PHYSICAL PROCESSES INFLUENCG ATMOSPHERIC TRACE CON STITUENTS MEAS'D FROM AIRCRAFT IN TRACE-P (IS NRA
09/21/2000 - 06/30/2003 FY02: $0 Total: $302,433
Prin. Invest.: R E NEWELL
Tech. Officer: LARC/V E DELNORE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 570 MASSACHUSETTS INST OF TECHNOLOGY 5761
PRINCIPAL INVESTIGATOR IN A BOX
12/29/1988 - 01/31/2001 FY02: -$38 Total: $2,098,271
Prin. Invest.: L R YOUNG
Tech. Officer: ARC/S LAU, ARC/D A ROSENTHAL
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1121 MASSACHUSETTS INST OF TECHNOLOGY 5762
MARSCAPE
05/21/1999 - 12/31/2001 FY02: $0 Total: $150,000
Prin. Invest.: J K SALISBURY
Tech. Officer: ARC/H THOMAS
CASE Category: 46 – MECHANICAL ENGR

NCC 2 1147 MASSACHUSETTS INST OF TECHNOLOGY 5763
IMPLEMENTATION ISSUES FOR DEPARTURE PLANNING SYSTE MS
12/07/1999 - 11/30/2002 FY02: $0 Total: $490,247
Prin. Invest.: E FERON, R J HANSMAN
Tech. Officer: ARC/S ATKINS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1209 MASSACHUSETTS INST OF TECHNOLOGY 5764
DISTRIBUTED & CENTRALIZED CONFLICT MANAGEMENT UNDE R TRAFFIC FLOW MANAGEMENTCONSTRAINTS
12/04/2000 - 12/14/2002 FY02: $0 Total: $63,957
Prin. Invest.: E FERON
Tech. Officer: ARC/K BILIMORIA, ARC/B SRIDHAR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1223 MASSACHUSETTS INST OF TECHNOLOGY 5765
APPROACHES TO HUMAN CENTERED SOFTWARE DEVELOPMENT
03/23/2001 - 02/28/2003 FY02: $0 Total: $182,000
Prin. Invest.: N G LEVESON
Tech. Officer: ARC/P M JONES, ARC/M SHAFTO
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1235 MASSACHUSETTS INST OF TECHNOLOGY 5766
A HYBRID DISCRETE/CONTINUOUS SYSTEM FOR HEALTH MAN AGEMENT
04/03/2001 - 02/28/2003 FY02: $0 Total: $235,000
Prin. Invest.: B C WILLIAMS
Tech. Officer: ARC/R MORRIS, ARC/D J CLANCY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1237 MASSACHUSETTS INST OF TECHNOLOGY 5767
MULTI-RESOLUTION PLANNING IN LARGE UNCERTAIN ENVIR ONMENTS
04/06/2001 - 02/28/2003 FY02: $0 Total: $129,000
Prin. Invest.: L KAELBLING
Tech. Officer: ARC/R MORRIS, ARC/D CLANCY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1269 MASSACHUSETTS INST OF TECHNOLOGY 5768
USING CAPRI WITHIN NASA'S INTELLIGENT SYNTHESIS ENVIRONMENT
06/01/2001 - 04/30/2003 FY02: $0 Total: $74,975
Prin. Invest.: R HAIMES
Tech. Officer: ARC/M LIVINGSTON, ARC/D KONTINOS
CASE Category: 22 – COMPUTER SCIENCE

NCC 3 610 MASSACHUSETTS INST OF TECHNOLOGY 5769
THE EXTENSIONAL RHEOLOGY OF NON-NEWTONIAN MATERIAL EXTENTIONAL RHEOLOGY EXPERIMENT (ERE)
04/21/1998 - 02/09/2003 FY02: $0 Total: $740,000
Prin. Invest.: G H MCKINLEY
Tech. Officer: GRC/N R HALL
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 3 632 MASSACHUSETTS INST OF TECHNOLOGY 5770
MIT ENGINEERING INTERSHIP PROGRAM
06/30/1998 - 06/20/2002 FY02: $0 Total: $154,645
Prin. Invest.: I A WATZ
Tech. Officer: GRC/L POVINELLI
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 875 MASSACHUSETTS INST OF TECHNOLOGY 5771
HIGH SPECIFIC IMPULSE HALL THRUSTERS
03/21/2001 - 03/31/2004 FY02: $0 Total: $401,796
Prin. Invest.: D MARTINEZ-SANCHEZ
Tech. Officer: GRC/S OLESON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 5 244 MASSACHUSETTS INST OF TECHNOLOGY 5772
BIOGEOCHEMICAL CYCLES USING MODELS AND DATA
10/24/1997 - 06/30/2001 FY02: $0 Total: $727,000
Prin. Invest.: J MARSHALL
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 416 MASSACHUSETTS INST OF TECHNOLOGY 5773
SOIL MOISTURE DATA ASSIMILATION FOR CONTINENTAL- SCALE LAND SURFACE HYDROLOGY APPLICATIONS
08/04/1999 - 07/31/2003 FY02: $0 Total: $216,639
Prin. Invest.: D MCLAUGHLIN
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 525 MASSACHUSETTS INST OF TECHNOLOGY 5774
FABRICATION AND METROLOGY OF HIGH-PRECISION FOIL MIRROR MOUNTING ELEMENTCONSTELLATION X-PROPOSAL
01/08/2001 - 03/31/2002 FY02: $0 Total: $105,000
Prin. Invest.: M SCHATTENBURG
Tech. Officer: GSFC/R PETRE
CASE Category: 11 – ASTRONOMY

NCC 5 625 MASSACHUSETTS INST OF TECHNOLOGY 5775
HIGH-PERFORMANCE ADAPTIVE SIMULATION FRAMEWORK FOR SPACE-WEATHER MODELING (SWMF).
03/06/2002 - 05/05/2003 FY02: $0 Total: $0
Prin. Invest.: J MARSHALL
Tech. Officer: GSFC/J FISCHER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 5 633 MASSACHUSETTS INST OF TECHNOLOGY 5776
MICROFABRICATED X-RAY OPTICS TECHNOLOGY DEVELOP- MENT FOR THE CONSTELLATION-X MISSION
02/28/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: M L SCHTTENBURG
Tech. Officer: GSFC/R PETRE
CASE Category: 11 – ASTRONOMY

NCC 8 174 MASSACHUSETTS INST OF TECHNOLOGY 5777
R/S MICROGRAVITY TISSUE ENGINEERING
03/31/1999 - 11/30/2002 FY02: $0 Total: $2,339,763
Prin. Invest.: L FREED
Tech. Officer: JSC/N R PELLIS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 1 02016 MASSACHUSETTS INST OF TECHNOLOGY 5778
GRADUATE STUDENT RESEARCHER PROGRAM (GSRP)
06/12/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: K WILLCOX, T LAU
Tech. Officer: LARC/B A SINGER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 3 52360 MASSACHUSETTS INST OF TECHNOLOGY 5779
GRADUATE STUDENT RESEARCHER PROGRAM GRADUATE STUDENT RE-SEARCHER PROGRAM
07/15/1999 - 06/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: G H MCKINLEY
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 30188 MASSACHUSETTS INST OF TECHNOLOGY 5780
THE IMPACT OF GLACIAL EROSION ON THE RELIEF STRUCT URE OF MOUNTAIN BELTS STUDENT: SIMON BROCKLEHURS
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: K X WHIPPLE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NGT 5 30189 MASSACHUSETTS INST OF TECHNOLOGY 5781
TEMPORAL VARIABILITY OF AIR - SEA GAS FLUXES: ESTI MATION & INCORPORATION INTO AN INVERSE MODEL OF
08/18/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: J MARSHALL
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30190 MASSACHUSETTS INST OF TECHNOLOGY 5782
ADJOINT SENSITIVITY ANALYSIS OF THE COUPLED LAND- ATMOSPHERE SYSTEM/STUDENT:STEVEN A. MARGULIS
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: D ENTEKHABI
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30212 MASSACHUSETTS INST OF TECHNOLOGY 5783
THE SIGNATURE OF CLIMATIC & TECTONIC PROCESSES IN ALLUVIAL FANS: A NUMERICALMODELING & REMOTE SENSI
08/20/1999 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: R L BRAS
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30334 MASSACHUSETTS INST OF TECHNOLOGY 5784
MULTIPHASE AND HETEROGENEOUS PROCESSES IN ATMOSPHE RIC CHEMISTRY
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: B TROUT
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30337 MASSACHUSETTS INST OF TECHNOLOGY 5785
DYNAMICS & SCALES OF VARIABILITY IN THE LABRADOR SEA: STATE ESTIMATION USINGAN EDDY-RESOLVING
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: C WUNSCH
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30339 MASSACHUSETTS INST OF TECHNOLOGY 5786
EFFECTS OF VEGETATION DYNAMICS ON ARROYO & GULLY EVOLUTION & SUCEPTABILITY TO CLIMATE CHANG
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: R BRAS
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30469 MASSACHUSETTS INST OF TECHNOLOGY 5787
017 IMPACTS OF TROPICAL DEFORESTATION AND CLIMATE: OBSERVATIONS OF ESHALLOW CLOUDS AND RAILF AN
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R BRAS
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40075 MASSACHUSETTS INST OF TECHNOLOGY 5788
MASSACHUSETTS SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $475,000
Prin. Invest.: L YOUNG
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50302 MASSACHUSETTS INST OF TECHNOLOGY 5789
COMBUSTION SYNTHESIS OF FULLERENES AND FULLERENIC NANOSTRUCTURES IN MICROGRAVITY/STUDENT: ANISH GOEL
07/06/2000 - 06/30/2002 FY02: $0 Total: $44,000
Prin. Invest.: J B HOWARD
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50306 MASSACHUSETTS INST OF TECHNOLOGY 5790
THE KINETICS OF COMPETITIVE GROWTH DURING RAPID SOLIDIFICATION OF TERNARY STEEL ALLOYS/STUDENT JOA
07/06/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: M FLEMINGS
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50411 MASSACHUSETTS INST OF TECHNOLOGY 5791
MODEL-BASED EXECUTIVE FOR AUTONOMOUS SPACECRAFT STUDENT NAME: SEUNG CHUNG
08/07/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: B C WILLIAMS
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50414 MASSACHUSETTS INST OF TECHNOLOGY 5792
INVESTIGATION OF LIGHT STORAGE IN ATOMIC ENSEMBLES STUDENT: JEAN A. HAGER
08/06/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R WALSWORTH
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52880 MASSACHUSETTS INST OF TECHNOLOGY 5793
INDENTIFICATION AND CONTROL OF GRAVITY RELATED DEFECT FORMATION DURING MELT GROWTH
09/09/1999 - 01/15/2003 FY02: $0 Total: $66,000
Prin. Invest.: A WITT
Tech. Officer: MSFC/J DOWDY
CASE Category: 46 – MECHANICAL ENGR

NGT 8 52892 MASSACHUSETTS INST OF TECHNOLOGY 5794
BALANCE OF PLANT DESIGN AND ANALYSIS FOR SPACE NUCLEAR POWER OPTIONS
07/11/2000 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M MARTINEZ-SANCHEZ
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8635 MT HOLYOKE COLL 5795
CO2 AND CH4 EXCHANGE IN NORTHERN PEATLANDS
07/07/1999 - 06/30/2002 FY02: $0 Total: $345,781
Prin. Invest.: J L BUBIER
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10238 MT HOLYOKE COLL 5796
SUMMERMATH NASA SCHOLARS PROGRAM
01/04/2001 - 12/31/2001 FY02: $0 Total: $80,000
Prin. Invest.: J MORROW
Tech. Officer: GSFC/C HOLLINGSWORTH
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 5 10424 MT HOLYOKE COLL 5797
SYNCHROTRON CHARACTERIZATION OF HYDROGEN & FERRIC IRON IN MARTIAN METEORITES
02/15/2001 - 02/28/2004 FY02: $0 Total: $34,000
Prin. Invest.: D DYAR
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11759 MT HOLYOKE COLL 5798
SUMMERMATH NASA SCHOLARS PROGRAM
02/13/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: J MORROW
Tech. Officer: GSFC/C HOLLINGSWORTH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1485 NORTHEASTERN UNIV 5799
R/S MODELING OF MACROSCOPIC/MICROSCOPIC TRANSPORT AND GROWTH PHENOMENA IN ZEOLITE CYSTALS UNDER
04/27/1998 - 05/31/2001 FY02: $0 Total: $321,483
Prin. Invest.: A SACCO
Tech. Officer: MSFC/C TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1668 NORTHEASTERN UNIV 5800
PHASE FIELD SIMULATIONS OF DENDRITIC GROWTH AT LOW UNDERCOOLING: CONFRONTING THEORY AND EXPERIMENT.
05/23/2000 - 11/30/2003 FY02: $0 Total: $120,500
Prin. Invest.: A KARMA
Tech. Officer: MSFC/P DOTY
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1336 NORTHEASTERN UNIV 5801
TEAM ORIENTED ROBOTIC EXPLORATION TASKS ON SCORPIO N AND K9 PLATFORMS
04/16/2002 - 01/14/2003 FY02: $0 Total: $0
Prin. Invest.: F KIRCHNER
Tech. Officer: ARC/S COLOMBANO, ARC/M BUALAT
CASE Category: 22 – COMPUTER SCIENCE

NCC 8 139 NORTHEASTERN UNIV 5802
RESEARCH "CENTER FOR ADVANCED MICROGRAVITY MATERIALS PROCESSING (CAMMP)"
06/27/1997 - 10/31/2001 FY02: $0 Total: $8,913,655
Prin. Invest.: A SACCO
Tech. Officer: MSFC/M NALL
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 122 NORTHEASTERN UNIV 5803
IMAGE PROCESSING TECHNIQUES FOR SATELLITE DATE USING RECONFIGURABLE TECHNOLOGY/STUDENT: HEATHER Q
07/09/2001 - 09/14/2004 FY02: $0 Total: $22,000
Prin. Invest.: M LEESER
Tech. Officer: GSFC/M S BURRELL
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2563 TUFTS UNIV 5804
A SOLID STATE LI-ION BATTERY WITH A CONDUCTIONG PO LYMER ANODE
03/13/2001 - 04/30/2003 FY02: $0 Total: $58,333
Prin. Invest.: D B GOLDNER
Tech. Officer: GRC/N HAGEDORN
CASE Category: 12 – CHEMISTRY

NAG 5 9725 TUFTS UNIV 5805
VERY LARGE ARRAY OBSERVATIONS IN SUPPORT OF HESSI
07/06/2000 - 07/14/2001 FY02: $0 Total: $35,000
Prin. Invest.: K R LANG
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10350 TUFTS UNIV 5806
NASA'S COSMOS. FULLY FUNDS YEAR 1 OF 3
02/06/2001 - 02/14/2004 FY02: $0 Total: $40,000
Prin. Invest.: K R LANG
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11605 TUFTS UNIV 5807
VLA OBSERVATIONS
01/22/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: K LANG
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11806 TUFTS UNIV 5808
IN-SITU PLANETARY CHEMICAL ANALYSIS LABORATORY
02/28/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: S KOUNAVES
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 8 1480 TUFTS UNIV 5809
STUDY OF DEVELOPMENT OF POLYMER STRUCTURE IN MICROGRAVITY USING ELLIPSOMETRY
02/27/1998 - 05/31/2002 FY02: $0 Total: $264,720
Prin. Invest.: P CEBE
Tech. Officer: MSFC/P M DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1699 TUFTS UNIV 5810
RESEARCH STUDY HIEARCHICAL ASSEMBLY OF COLLAGEN
06/05/2000 - 11/30/2003 FY02: $0 Total: $154,500
Prin. Invest.: D L KAPLAN
Tech. Officer: MSFC/P M DOTY
CASE Category: 56 – MEDICL

NAG 9 1182 TUFTS UNIV 5811
MULTISENSOR ARRAY FOR MONITORING WATER QUALITY ON SPACECRAFT & PLANETARY HABITATS
12/20/1999 - 12/19/2002 FY02: $0 Total: $207,876
Prin. Invest.: S P KOUNAVES
Tech. Officer: JPL/D JAN
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 5 434 TUFTS UNIV 5812
THE SCIENCE AND ENGINEERING NASA SITE OF REMOTE SENSING (SENSORS).
09/22/1999 - 09/30/2003 FY02: $0 Total: $299,533
Prin. Invest.: C ROGERS
Tech. Officer: GSFC/R E GABRYS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1197 UNIV OF MASSACHUSETTS WORCESTER 5813
EFFECTS OF GRAVITY ON CELL MOVEMENT & DEVELOPMENT
04/02/1998 - 10/31/2001 FY02: $0 Total: $502,651
Prin. Invest.: Y L WANG
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1438 UNIV OF MASSACHUSETTS WORCESTER 5814
THE EFFECT OF HYPERGRAVITY ON RETINOIC ACID SIGNAL ING IN THE DEVELOPING EMBRYO
09/19/2000 - 09/30/2003 FY02: $0 Total: $245,929
Prin. Invest.: P J MACCAFFERY
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1495 UNIV OF MASSACHUSETTS WORCESTER 5815
EFFECTS OF CHARITY ON THE STRUCTURE AND FUNCTION O F ANIMAL CELLS
07/09/2001 - 10/31/2003 FY02: $147,246 Total: $246,285
Prin. Invest.: Y L WANG
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1356 UNIV OF MASSACHUSETTS WORCESTER 5816
MICROGRAVITY AND THE BIOLOGY OF NEURAL STEM CELLS
07/27/2001 - 09/30/2004 FY02: $0 Total: $47,000
Prin. Invest.: W J SCHWARTZ, T M SAVARESE, H PANG LOW
Tech. Officer: JSC/D RISEN
CASE Category: 56 – MEDICL

NGT 5 50374 UNIV OF MASSACHUSETTS WORCESTER 5817
GENETIC MANIPULATION OF CELL ADHESION PROTEINS TO MODIFY MECHANICAL RESPONSEAND TISSUE REMODELI
07/09/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: L BONASSAR
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50404 UNIV OF MASSACHUSETTS WORCESTER 5818
CONTROLLING MECHANICS OF COLLAGEN GELS FOR CARTI- LAGE TISSUE ENGINEERING BY NON-ENZYMATIC GLYCATION
07/30/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: L BONASSAR
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2426 UNIV OF MASSACHUSETTS 5819
PHASE CHANGE IN LOW AND JITTERING GRAVITY ENVIRONM ENT SIMULATED VIA ELECTROMAGNETIC FIELD
05/19/2000 - 11/30/2003 FY02: $0 Total: $100,694
Prin. Invest.: D CHARMCHI
Tech. Officer: GRC/H DEGROH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 8145 UNIV OF MASSACHUSETTS 5820
AUTOMATED PROCESSING OF ISIS TOPSIDE IONOGRAMS INT O ELECTRON DENSITY PROFILES
02/04/1999 - 12/31/2002 FY02: $0 Total: $391,162
Prin. Invest.: B REINISCH
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9611 UNIV OF MASSACHUSETTS 5821
HALFWIDTHS & LINE SHIFTS OF WATER VAPOR TRANSITION IN THE 0.7 UM REGION
05/22/2000 - 05/31/2001 FY02: $0 Total: $20,000
Prin. Invest.: R GAMACHE
Tech. Officer: GSFC/D STARR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11064 UNIV OF MASSACHUSETTS 5822
THEORY IN SUPPORT OF LABORATORY SPECTROSCOPY FOR AIRS, TES AND HIRDLS
06/28/2001 - 06/30/2004 FY02: $0 Total: $25,157
Prin. Invest.: R R GAMACHE
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11792 UNIV OF MASSACHUSETTS 5823
DIGITAL RADIO-FREQUENCY PLASMA WAVE INSTRUMENTS FO R MULTIPLE SATELLITE MISSIONS
02/28/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: B W REINISCH
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 2 1375 UNIV OF MASSACHUSETTS - AMHERST 5824
MICROGRAVITY EFFECTS ON SEED DEVELOPMENT AND MATUR ATION
08/20/1999 - 08/31/2003 FY02: $0 Total: $373,422
Prin. Invest.: M E MUSGRAVE
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1394 UNIV OF MASSACHUSETTS - AMHERST 5825
ON BOARD AUTONOMY FOR ROVERS
02/07/2000 - 01/31/2003 FY02: $0 Total: $94,780
Prin. Invest.: S ZILBERSTEIN
Tech. Officer: ARC/J BRESINA
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1551 UNIV OF MASSACHUSETTS - AMHERST 5826
PLAN CONTINUATION ERRORS DURING AIRCRAFT APPROACH AND LANDING: SIMPLE HEURISTICS FOR COMBINING CONFL
05/23/2002 - 08/31/2002 FY02: $0 Total: $0
Prin. Invest.: D FISHER
Tech. Officer: ARC/J M ORASANU, ARC/J NOWINSKI
CASE Category: 69 – PSYCHOLOGY,OTHER

NAG 3 2452 UNIV OF MASSACHUSETTS - AMHERST 5827
EMBEDDED SENSORS FOR CONDITION MONITORING OF HELIC OPTER GEARBOXES PROPOSAL #100-1355
06/07/2000 - 09/30/2003 FY02: $0 Total: $122,766
Prin. Invest.: D DANAI
Tech. Officer: GRC/D LEWICKI
CASE Category: 46 – MECHANICAL ENGR

NAG 5 4272 UNIV OF MASSACHUSETTS - AMHERST 5828
A CRYOGENIC FREQUENCY MULTIPLIER CHAIN FOR 1000 GH
04/18/1997 - 12/31/2000 FY02: -$1,088 Total: $226,596
Prin. Invest.: D R ERICKSON
Tech. Officer: GSFC/H THRONSON
CASE Category: 11 – ASTRONOMY

NAG 5 4373 UNIV OF MASSACHUSETTS - AMHERST 5829
PLANETARY, TECTONICS, AREAL GEOLOGY, AND GEOLOGICA
04/25/1997 - 01/31/2003 FY02: $0 Total: $207,145
Prin. Invest.: D E MCGILL
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4652 UNIV OF MASSACHUSETTS - AMHERST 5830
SHOCK AND THERMAL HISTORY OF IRON AND CHONDRITIC M
06/11/1997 - 02/28/2002 FY02: $0 Total: $522,000
Prin. Invest.: D I GOLDSTEIN
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 4999 UNIV OF MASSACHUSETTS - AMHERST 5831
STRUCTURAL AND GEOMORPHIS EVOLUTION OF THE MARTIAN
07/24/1997 - 07/14/2001 FY02: $0 Total: $121,184
Prin. Invest.: G MCGILL
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6161 UNIV OF MASSACHUSETTS - AMHERST 5832
UMASS PLANET EARTH EDUCATION PROGRMS
08/01/1997 - 10/31/2000 FY02: $0 Total: $60,000
Prin. Invest.: M STERNHEIM
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8184 UNIV OF MASSACHUSETTS - AMHERST 5833
MARTIAN POLYGONAL TERRAIN: TESTS FOR SEDIMENTARY O RIGIN OF DEPOSITS
02/16/1999 - 03/14/2003 FY02: $0 Total: $51,300
Prin. Invest.: G E MCGILL
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8197 UNIV OF MASSACHUSETTS - AMHERST 5834
SCALABLE PARALLEL STATISTICAL INFERENCE AND MODEL COMPARISON USING LARGE DATABASES
02/04/1999 - 01/31/2003 FY02: $0 Total: $685,067
Prin. Invest.: M WEIENBERG
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 11 – ASTRONOMY

NAG 5 8718 UNIV OF MASSACHUSETTS - AMHERST 5835
BOUNDARY CONDITIONS FOR THE PALEOENVIRONMENT: THE CHEMISTRY OF DENSE INTERSTELLAR CLOUDS & COMETS
07/29/1999 - 10/14/2002 FY02: $0 Total: $159,277
Prin. Invest.: W M IRVINE
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8909 UNIV OF MASSACHUSETTS - AMHERST 5836
STRUCTURAL AND GEOMORPHIC EVOLUTION OF THE MARTIAN CRUST
01/04/2000 - 07/14/2003 FY02: $0 Total: $82,081
Prin. Invest.: G E MCGILL
Tech. Officer: GSFC/J GRANT
CASE Category: 11 – ASTRONOMY

NAG 5 8999 UNIV OF MASSACHUSETTS - AMHERST 5837
THE HOT INTERSTELLAR MEDIUM_(LTSA)
02/03/2000 - 01/31/2003 FY02: $0 Total: $205,886
Prin. Invest.: Q WANG
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9429 UNIV OF MASSACHUSETTS - AMHERST 5838
X-RAY SOURCE POPULATION IN NEARBY DISK GALAXIES- ADP-99
04/11/2000 - 04/14/2003 FY02: $0 Total: $99,684
Prin. Invest.: Q WANG
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9630 UNIV OF MASSACHUSETTS - AMHERST 5839
DUAL POL DUAL FREQUENCY ANTENNA ELEMENTS FOR INTEG RATED SENSOR MODULES.
05/25/2000 - 04/30/2001 FY02: $0 Total: $59,772
Prin. Invest.: K CARVER
Tech. Officer: GSFC/T A DOIRON
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 9652 UNIV OF MASSACHUSETTS - AMHERST 5840
CONTINUED GROUND-BASED MICROWAVE MEASUREMENTS OF OZONE FOR THE NETWORK FOR DETECTION OF STRATOSPHER
05/26/2000 - 12/31/2002 FY02: $0 Total: $371,013
Prin. Invest.: A PARRISH
Tech. Officer: GSFC/M KURYLO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10515 UNIV OF MASSACHUSETTS - AMHERST 5841
SHOCK & THERMAL HISTORY OF IRON, STONY IRON & CHON DRITIC METEORITES
03/05/2001 - 03/14/2003 FY02: $0 Total: $80,000
Prin. Invest.: J GOLDSTEIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10649 UNIV OF MASSACHUSETTS - AMHERST 5842
ASSESSING LANDFORMS AND LAND SURFACE CHANGE IN ACT IVE MOUNTAINS WITH SRTM AND ENVISAT OBSERVATION
04/04/2001 - 04/14/2003 FY02: $0 Total: $117,715
Prin. Invest.: C C DUNCAN
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10677 UNIV OF MASSACHUSETTS - AMHERST 5843
MILLIMETER-WAVE AND RADIO STUDIES OF SOLAR SYSTEM BODIES
04/24/2001 - 04/30/2002 FY02: $0 Total: $77,200
Prin. Invest.: P SCHLOERB
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10681 UNIV OF MASSACHUSETTS - AMHERST 5844
ENVIRONMENTAL EVOLUTION: ORIGIN OF THE CHIMERIC EUKARYOTE
03/28/2001 - 03/31/2003 FY02: $0 Total: $100,000
Prin. Invest.: L MARGULIS
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10699 UNIV OF MASSACHUSETTS - AMHERST 5845
PRINTED CIRCUIT DUAL-POL DUAL-FREQUENCY ANTENNA ELEMENTS FOR ATIP INTEGRATEDSENSOR MODULES
04/18/2001 - 09/30/2002 FY02: $0 Total: $82,500
Prin. Invest.: K CARVER
Tech. Officer: GSFC/T DOIRON
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 10783 UNIV OF MASSACHUSETTS - AMHERST 5846
0.2-1 KEV EMISSION FROM THE HOT INTERGALACTIC MEDIUM (ADP 2000)
04/23/2001 - 04/30/2003 FY02: $0 Total: $46,230
Prin. Invest.: Q WANG
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11465 UNIV OF MASSACHUSETTS - AMHERST 5847
INTEGRATED TERAHERTZ HETERODYNE FOCAL PLANE ARRAY RECEIVERS
12/10/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: G NARAYANAN
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11649 UNIV OF MASSACHUSETTS - AMHERST 5848
PLANETARY TECTONICS, AREAL GEOLOGY AND GEOLOGICAL HISTORY
01/29/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: G E MCGILL
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11778 UNIV OF MASSACHUSETTS - AMHERST 5849
SHOCK AND THERMAL HISTORY OF IRON, STONY-IRON, AND CHONDIRTIC METEORITES
02/21/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: J GOLDSTEIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11855 UNIV OF MASSACHUSETTS - AMHERST 5850
XMM OBSERVATIONS OF X-RAY EMISSION FROM SUPERNOVAE
03/27/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: S IMMLER
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11940 UNIV OF MASSACHUSETTS - AMHERST 5851
A DEMONSTRATION OF FREQUENCY SELECTIVE BOLOMETER ARRAY FOR GROUND-BASED ASTROPHYSICAL OBSERVATIONS
04/11/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: G WILSON
Tech. Officer: GSFC/E S CHENG
CASE Category: 11 – ASTRONOMY

NAG 5 12038 UNIV OF MASSACHUSETTS - AMHERST 5852
EVOLUTION AND INTERACTION OF STRUCTURE IN GALAXIES
04/16/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: M D WEINBERG
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12158 UNIV OF MASSACHUSETTS - AMHERST 5853
MARTIAN POLYGONAL TERRAIN: TESTS FOR SEDIMENTARY O RIGIN OF DEPOSITS
05/08/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: G E MCGILL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 8 1694 UNIV OF MASSACHUSETTS - AMHERST 5854
CAPILLARY WAVES AT INTERFACES: THE ROLE OF GRAVITY AND ELECTRIC FIELDS
06/01/2000 - 11/30/2003 FY02: $0 Total: $155,000
Prin. Invest.: T P RUSSELL
Tech. Officer: MSFC/P DOTY
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1697 UNIV OF MASSACHUSETTS - AMHERST 5855
"THIN FILM MOLECULAR SIEVE SYNTHESIS: PROCESSING MICROSTRUCTURE RELATIONSHIPS & EFFECTS OF GRAVITY"
06/06/2000 - 11/30/2003 FY02: $0 Total: $135,000
Prin. Invest.: M TSAPATIS
Tech. Officer: MSFC/P DOTY
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1379 UNIV OF MASSACHUSETTS - AMHERST 5856
LEARNING TO EXPLOIT DYNAMICS FOR ROBOT MANIPULATORS
08/28/2001 - 07/31/2002 FY02: $0 Total: $22,000
Prin. Invest.: M T ROSENSTEIN
Tech. Officer: JSC/R SAVELY
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1445 UNIV OF MASSACHUSETTS - AMHERST 5857
INSTRUCTING ROBOTIC ASSISTANTS TO ACQUIRE AUTO- NOMOUS BEHAVIOR
07/30/2002 - 07/31/2004 FY02: $0 Total: $0
Prin. Invest.: R A GRUPEN
Tech. Officer: JSC/R SAVELY
CASE Category: 22 – COMPUTER SCIENCE

NAS 1 01058 UNIV OF MASSACHUSETTS - AMHERST 5858
RESEARCH ENTITLED, "NEAR-QUANTUM-NOISE LIMITED HOT ELECTRON BOLOMETRIC HETERODYNE DETECTORS
06/20/2001 - 06/19/2004 FY02: $0 Total: $298,000
Prin. Invest.: S K YNGVESSON
Tech. Officer: LARC/M N ABEDIN
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAS 3 00121 UNIV OF MASSACHUSETTS - AMHERST 5859
ALLIANCE ICING RESEARCH STUDY
04/30/2000 - 11/15/2000 FY02: -$116 Total: $117,884
Prin. Invest.: S SEKELSEY
Tech. Officer: GRC/A REEHORST
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 5 99133 UNIV OF MASSACHUSETTS - AMHERST 5860
TWO DIMENSIONAL SYNTHETIC APARTURE RADIOMETER.
08/03/1999 - 09/30/2002 FY02: $0 Total: $201,912
Prin. Invest.: K CARVER
Tech. Officer: GSFC/D LEVINE
CASE Category: 45 – ELECTRICAL ENGR

NCC 2 1180 UNIV OF MASSACHUSETTS - AMHERST 5861
MULTI-AGENT INFORMATION ENVIRONMENT FOR INTEGRATED DESIGN & ANALYSIS
05/16/2000 - 05/14/2002 FY02: $0 Total: $65,918
Prin. Invest.: A DASCHMULCH
Tech. Officer: ARC/M E LIVINGSTON
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1265 UNIV OF MASSACHUSETTS - AMHERST 5862
MULTI-AGENT REASONING & DISTRIBUTED SEARCH IN DESI GN OF COMPLEX AEROSPACE SYSTEMS
05/03/2001 - 04/30/2003 FY02: $0 Total: $105,000
Prin. Invest.: A DESHMUKH
Tech. Officer: ARC/M LIVINGSTON, ARC/F J TORRES
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1311 UNIV OF MASSACHUSETTS - AMHERST 5863
SELF DIRECTED COOPERATIVE PALNETARY ROVERS
03/07/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: S ZILBERSTEIN
Tech. Officer: ARC/R A MORRIS, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1348 UNIV OF MASSACHUSETTS - AMHERST 5864
ESTIMATING EFFECTS OF PARAMETER UNCERTAINTY ON ANA LYSIS NETWORKS
06/10/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: A DESHMUKH
Tech. Officer: ARC/M LIVINGSTON, ARC/J E MILTON
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1353 UNIV OF MASSACHUSETTS - AMHERST 5865
INTEGRATION OF INTELLIGENT PROCESS MANAGEMENT AGEN TS & THE INFORMATION POWER GRID
07/15/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: A DESHMUKH
Tech. Officer: ARC/M LIVINGSTON, ARC/J MELTON
CASE Category: 22 – COMPUTER SCIENCE

NGT 1 02008 UNIV OF MASSACHUSETTS - AMHERST 5866
GRADUATE STUDENT RESEARCHER PROGRAM (GSRP)
06/06/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: E B COUGHLIN, G S CONSTABLE
Tech. Officer: LARC/D L THOMSEN
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 2 52276 UNIV OF MASSACHUSETTS - AMHERST 5867
A DECISION-THEORY APPROACH TO AUTONOMOUS PLANETARY CONTROL (STUDENT: DANIELSCOTT BERNSTEIN)
06/12/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: S ZILBERSTEIN
Tech. Officer: ARC/J BRESINA
CASE Category: 22 – COMPUTER SCIENCE

NGT 5 30375 UNIV OF MASSACHUSETTS - AMHERST 5868
REALIZING NETWORK SENSOR WEBS THROUGH THE DEVELOPM ENT OF THE REMOTE INSTRUMENT DEFINITION LANGU
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: D MCLAUGHLIN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30412 UNIV OF MASSACHUSETTS - AMHERST 5869
AIRBORNE CLOUD RADAR STUDIES: CLOUDSAT CALIBRATION AND CLOUD/PRECIPITA- TION RETRIEVAL ALGORITH DEV
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S SEKELSKY
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 32 UNIV OF MASSACHUSETTS - AMHERST 5870
TRAINING GRANT
06/04/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: R E VAN EMMERIK
Tech. Officer: JSC/D G SICKOREZ
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NGT 9 61 UNIV OF MASSACHUSETTS - AMHERST 5871
TASK & SCALE APPROPRIATE CLOSED-LOOP INTERACTION I N THE FORCE DOMANIN
05/28/2002 - 06/03/2003 FY02: $0 Total: $0
Prin. Invest.: R GRUPEN
Tech. Officer: JSC/R SAVELY
CASE Category: 22 – COMPUTER SCIENCE

NGT13 52756 UNIV OF MASSACHUSETTS BOSTON 5872
GRADUATE STUDENT RESEARCHERS PROGRAM - EFFECTS OF COPEPOD GRAZING ON COLORED DISSOLVED ORGANIC MATTE
06/12/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: J URBAN-RICH
Tech. Officer: SSC/R P TRAVIS
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 5 6605 UNIV OF MASSACHUSETTS-DARTHMOUTH 5873
INTERANNUAL PHYSICAL AND BIOLOGICAL VARIABILITY OF F THE NORTH-EAST U.S. COAST
12/11/1997 - 11/14/2000 FY02: $0 Total: $149,003
Prin. Invest.: J J BISAGNI
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9752 UNIV OF MASSACHUSETTS-DARTHMOUTH 5874
REGIONAL FISHERIES APPLICATION CENTER
06/22/2000 - 09/30/2002 FY02: $0 Total: $1,831,000
Prin. Invest.: B J ROTHSCHILD
Tech. Officer: GSFC/D R KAHLE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10125 UNIV OF MASSACHUSETTS-DARTHMOUTH 5875
A PILOT INVESTIGATION OF LOW FREQUENCY CHLOROPHYLL & PIGMENT VARIABILITY OFF THE NORTHEAST
12/12/2000 - 12/14/2002 FY02: $0 Total: $80,043
Prin. Invest.: J J BISAGNI
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 02042 UNIV OF MASSACHUSETTS-DARTHMOUTH 5876
DEVELOPMENT OF REGIONAL FISHERIES/OCEANOGRAPHY APPLICATION CENTERS FOR ALASKA & MASSACHUSETTS
06/06/2002 - 06/05/2004 FY02: $0 Total: $0
Prin. Invest.: W S BROWN
Tech. Officer: SSC/M GIARDINO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4046 WELLESLEY COLL 5877
STRUCTURE AND DYNAMICS OF PLANETARY RINGS
03/10/1997 - 09/30/2001 FY02: $0 Total: $174,750
Prin. Invest.: R G FRENCH
Tech. Officer: GSFC/J G GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9059 WELLESLEY COLL 5878
LABORATORY MEASUREMENTS OF SO2 AND N2 ABSORPTION SPECTRA FOR PLANETARY ATMOSPHERES
02/15/2000 - 02/28/2003 FY02: $0 Total: $112,921
Prin. Invest.: D STARK
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10197 WELLESLEY COLL 5879
DYNAMICS AND STRUCTURE OF PLANETARY RINGS
12/21/2000 - 12/31/2003 FY02: $0 Total: $46,500
Prin. Invest.: R G FRENCH
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 6455 WOODS HOLE OCEANOGRAPHIC INST 5880
MODELING MESOSCALE BIOGEOCHEMICAL PROCESSES IN A T OPEX/POSEIDON DIAMOND SURROUNDING THE U.S. JGOFS
11/04/1997 - 09/30/2001 FY02: $0 Total: $491,660
Prin. Invest.: D J MCGILLICUDDY
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7348 WOODS HOLE OCEANOGRAPHIC INST 5881
STUDIES OF HEAT, SALT, AND RADIATIVE FLUXES IN THE ARCTIC USING SATELLITE AND BUOY OBSERVAT
04/28/1998 - 04/30/2001 FY02: $0 Total: $185,000
Prin. Invest.: J YANG
Tech. Officer: GSFC/J COMISO
CASE Category: 33 – OCEANOGRAPHY

NAG 5 7445 WOODS HOLE OCEANOGRAPHIC INST 5882
OPTICAL CLASSIFICATION OF WATER TYPES FROM SEAWIFS DATA: A HYBRID APPROACH USING BOTH SEMI-AN
06/04/1998 - 08/31/2002 FY02: $0 Total: $278,087
Prin. Invest.: H M SOSIK
Tech. Officer: GSFC/J W CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7770 WOODS HOLE OCEANOGRAPHIC INST 5883
STUDIES OF ANTARCTIC SEA ICE AND SOUTHERN OCEAN TE MPERATURE MINIMUM LAYER USING SATELLITE AND I
10/22/1998 - 12/31/2001 FY02: $0 Total: $184,956
Prin. Invest.: R A KRISHFIELD
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8868 WOODS HOLE OCEANOGRAPHIC INST 5884
BIOLOGICAL INTERPRETATION OF OCEAN COLOR: OBSERVA TIONS & MODELS FOR WATERS OF THE MID-ATLANTIC SHEL
01/10/2000 - 02/28/2003 FY02: $0 Total: $200,000
Prin. Invest.: H SOSIK
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9422 WOODS HOLE OCEANOGRAPHIC INST 5885
ISOTOPIC BIOGEOCHEMISTRY
04/11/2000 - 04/30/2003 FY02: $0 Total: $359,270
Prin. Invest.: D M HAYES
Tech. Officer: GSFC/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 9858 WOODS HOLE OCEANOGRAPHIC INST 5886
STUDYING THE ANNUAL & INTER-ANNUAL VARIABILITY IN OCEAN COLOR USING SATELLITEDATA & GLOBAL MARINE
08/07/2000 - 09/30/2002 FY02: $0 Total: $114,739
Prin. Invest.: D M GLOVER
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11265 WOODS HOLE OCEANOGRAPHIC INST 5887
REGIONAL CARBON CYCLE MODELING AT THE BERMUDA ATLA NTIC TIME-SERIES STUDY(BATS) SITE USING AN EDDY-R
08/31/2001 - 08/31/2004 FY02: $0 Total: $133,555
Prin. Invest.: D MCGILLICUDDY
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12403 WOODS HOLE OCEANOGRAPHIC INST 5888
ASSESSING THE ROLE OF PHOTOCHEMICAL OXIDATION OF D OC IN THE UPPER OCEAN BASED ON CHARACTERIZATION O
08/01/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: L TRAYKOVSKI
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12444 WOODS HOLE OCEANOGRAPHIC INST 5889
LONG-TERM SURFACE SALINITY MEASUREMENTS
08/12/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: R SCHMITT
Tech. Officer: GSFC/E LINDTSROM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12488 WOODS HOLE OCEANOGRAPHIC INST 5890
CONSTRAINING OCEANIC COURCES AND SINKS OF C02 BY I NVERSE MODELING: A FIRST STOP TOWARD ASSIMILAT
08/27/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: S C DONEY
Tech. Officer: GSFC/C TREES
CASE Category: 33 – OCEANOGRAPHY

NAG 5 12520 WOODS HOLE OCEANOGRAPHIC INST 5891
THE INFLUENCE OF IRON AVAILABILITY AND PHYSICAL FO RCING ON SOUTHERN OCEAN PRIMARY PRODUCTIVITY
09/17/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S DONEY
Tech. Officer: GSFC/C TREES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 5 00198 WOODS HOLE OCEANOGRAPHIC INST 5892
R & D TO SUPPORT SIMBIOS PROJECT ORIGINAL POP 10/30/01
11/06/2000 - 11/30/2002 FY02: $0 Total: $89,202
Prin. Invest.: J R MORRISON
Tech. Officer: GSFC/C R MCCLAIN
CASE Category: 33 – OCEANOGRAPHY

NCC 5 441 WOODS HOLE OCEANOGRAPHIC INST 5893
SEASONAL-TO-INTERANNUAL VARIATIONS IN THE INDIAN OCEAN USING THE NSIPP OCEAN MODEL SIMULATIONS
12/02/1999 - 11/30/2001 FY02: $0 Total: $90,000
Prin. Invest.: L YU
Tech. Officer: GSFC/M RIENECKER
CASE Category: 33 – OCEANOGRAPHY

NGT 5 30206 WOODS HOLE OCEANOGRAPHIC INST 5894
INTERPRETATION OF VARIABILITY IN WATER COLUMN OPTI CAL PROPER-TIES THROUGH SINGLE-PARTICLE ANALYSIS
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: H SOSIK
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30362 WOODS HOLE OCEANOGRAPHIC INST 5895
IRON CYCLING IN THE CALIFORNIA CURRENT SYSTEM: GEO CHEMICAL & ECOLOGICAL MODELING/STUDENT: PAYAL PAR
08/24/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: D M GLOVER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2395 WORCESTER POLYTECHNIC INST 5896
STABILITY AND HEAT TRANSFER CHARACTERISTICS OF CON DENSING FILMS IN REDUCED GRAVITY
04/14/2000 - 11/30/2003 FY02: $0 Total: $122,531
Prin. Invest.: D C HERMANSON
Tech. Officer: GRC/F CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2405 WORCESTER POLYTECHNIC INST 5897
EXPERIMENTAL INVESTIGATION AND MODELING OF PULSED PLASMA THRUSTER PLUMES
05/03/2000 - 04/30/2003 FY02: $0 Total: $105,538
Prin. Invest.: D GATSONIS
Tech. Officer: GRC/E J PENCIL
CASE Category: 13 – PHYSICS

NAG 3 2535 WORCESTER POLYTECHNIC INST 5898
SPLASHING DROPLETS
01/25/2001 - 11/30/2003 FY02: $0 Total: $25,000
Prin. Invest.: D TRYGGVASON
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2545 WORCESTER POLYTECHNIC INST 5899
COMPUTATIONAL MODELING OF THE EFFECT OF SECONDARY FORCES ON THE PHASE DISTRIBUTIONIN DISPERSED MULT
02/22/2001 - 02/06/2004 FY02: $0 Total: $95,000
Prin. Invest.: D TRYGGVASON
Tech. Officer: GRC/D F CHAO
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2583 WORCESTER POLYTECHNIC INST 5900
COMPUTATIONS OF BOILING IN MICROGRAVITY
04/04/2001 - 04/30/2002 FY02: $0 Total: $72,500
Prin. Invest.: D TRYGGVASON
Tech. Officer: GRC/D F CHAO
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10712 WORCESTER POLYTECHNIC INST 5901
STUDENT PROJECTS AT THE GODDARD SPACE FLIGHT CTR
04/06/2001 - 06/30/2002 FY02: $0 Total: $20,000
Prin. Invest.: F J LOOFT
Tech. Officer: GSFC/S J BRODEUR
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11755 WORCESTER POLYTECHNIC INST 5902
STUDENT PROJECTS AT THE GODDARD SPACE FLIGHT CENTE R
02/27/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: F J LOOFT
Tech. Officer: GSFC/S J BRODEUR
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 673 WORCESTER POLYTECHNIC INST 5903
COMBUSTION CHARACTERISTICS OF FULLY-MODULATED, TUR BULENT DIFFUSION FLAMES IN REDUCED GRAVITY
02/23/1999 - 01/13/2003 FY02: $0 Total: $303,165
Prin. Invest.: D C HERMANSON
Tech. Officer: GRC/D P STOCKER
CASE Category: 49 – ENGINEERING, OTHER

MICHIGAN

NAG 5 10118 ALMA COLL 5904
ANALYSIS OF DATA FROM THE ER-2 CLOUD PHYSICS LIDAR SYSTEM
12/21/2000 - 12/31/2001 FY02: $0 Total: $15,000
Prin. Invest.: J H GIBSON
Tech. Officer: GSFC/M J MCGILL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11817 ALMA COLL 5905
ANALYSIS OF DATA FROM THE ER-2 CLOUD PHYSICS LIDAR SYSTEM YEAR 1 OF 3.
03/15/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: J H GIBSON
Tech. Officer: GSFC/M J MCGILL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10348 CALVIN COLL 5906
SIMULATION OF GLOBAL GLACIO-ISOSTAS, EARTH DEFORMA TION AND SEA LEVEL CHANGES.
02/05/2001 - 01/31/2003 FY02: $0 Total: $41,623
Prin. Invest.: J A CLARK
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 1 01060 HOPE COLL 5907
THEORETICAL INVESTIGATION OF THERMO-MECHANICAL BEHAVIOR OF CARBON NANOTUBE-BASED COMPOSITES USING
04/05/2001 - 04/04/2004 FY02: $0 Total: $52,936
Prin. Invest.: J PAWLOSKE
Tech. Officer: LARC/T S GATES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2520 KETTERING UNIV 5908
MODELING FOR UNDERSTANDING HIGH SPECIFIC IMPULSE H ALL THRUSTERS
01/08/2001 - 09/30/2003 FY02: $0 Total: $59,531
Prin. Invest.: S ROY
Tech. Officer: GRC/M MANTENIEKS
CASE Category: 13 – PHYSICS

NAG 3 2638 KETTERING UNIV 5909
ELECTRODE MODEL FOR MACHMPD THRUSTER SIMULATIONS ELECTRODE MODEL FOR MACHMPD THRUSTER SIMULATIONS
06/21/2001 - 02/28/2003 FY02: $0 Total: $19,994
Prin. Invest.: S ROY
Tech. Officer: GRC/D REDDY
CASE Category: 46 – MECHANICAL ENGR

NAG 1 01048 MICHIGAN STATE UNIV 5910
PARAMETRIC IDENTIFICATION OF NONLINEAR DYNAMICAL SYSTEMS
06/06/2001 - 09/30/2002 FY02: $0 Total: $34,799
Prin. Invest.: B F FEENY
Tech. Officer: LARC/W A SILVA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02061 MICHIGAN STATE UNIV 5911
PENALTY-BASED INTERFACE TECHNOLOGY FOR PREDICTION OF DELAMINATION GROWTH IN LAMINATED STRUCTURES
03/01/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: R C AVERILL
Tech. Officer: LARC/C G DAVILA, LARC/J B RANSOM
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2234 MICHIGAN STATE UNIV 5912
DEVELOPMENT AND IMPLEMENTATION OF A GLOBAL BLEED B OUNDARY CONDITION
03/11/1999 - 01/20/2003 FY02: $0 Total: $189,150
Prin. Invest.: T SHIH
Tech. Officer: GRC/D DAVIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2472 MICHIGAN STATE UNIV 5913
RESEARCHING EPOXY AND POLYIMIDE NANOCOMPOSITES USI NG NATURAL AND SYNTHETIC CLAYS
07/07/2000 - 12/03/2002 FY02: $0 Total: $119,880
Prin. Invest.: T J PINNAVAIA
Tech. Officer: GRC/S G CAMPBELL
CASE Category: 12 – CHEMISTRY

NAG 3 2576 MICHIGAN STATE UNIV 5914
AERODYNAMICS OF AIRFOILS WITH ICE ACCRETION: CFD SIMULATIONS AND TECHNOLOGY ISSUES
03/26/2001 - 11/30/2003 FY02: $0 Total: $70,000
Prin. Invest.: T SHIH
Tech. Officer: GRC/Y CHOO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 3218 MICHIGAN STATE UNIV 5915
CCD SYSTEM TECHNOLOGY FOR EXTREMELY LOW BACKGROUND OBSERVATIONS
04/26/1996 - 09/30/2002 FY02: $0 Total: $497,500
Prin. Invest.: E D LOH
Tech. Officer: GSFC/E CHENG
CASE Category: 13 – PHYSICS

NAG 5 4810 MICHIGAN STATE UNIV 5916
ACQUISITION AND ANALYSIS OF LARGE QUANTITIES OF LA MEASURING TROPICAL LAND COVER CHANGE (NRA-MTPE-03
07/30/1997 - 06/30/2001 FY02: $0 Total: $631,178
Prin. Invest.: D SKOLE
Tech. Officer: GSFC/D WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6538 MICHIGAN STATE UNIV 5917
CASE STUDIES AND DIAGNOSTIC MODELS OF THE INTER-ANNUAL DYNAMICS OF DEFORESTATION IN SOUTHEAST ASIA
04/21/1998 - 09/30/2001 FY02: $0 Total: $460,000
Prin. Invest.: D SKOLE
Tech. Officer: GSFC/A JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8053 MICHIGAN STATE UNIV 5918
SOLAR CONVECTION AND OSCILLATIONS
01/12/1999 - 03/14/2002 FY02: $0 Total: $252,000
Prin. Invest.: R F STEIN
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8317 MICHIGAN STATE UNIV 5919
ENHANCING PROFESSIONAL DEVELOPMENT OF LANDSCAPE ECOLOGISTS OF THE NEXT GENERATION
03/26/1999 - 02/28/2001 FY02: $0 Total: $20,000
Prin. Invest.: J LIU
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8893 MICHIGAN STATE UNIV 5920
ATOMIC FORCE MICROSCOPE LITHOGRAPHY & BEEM INVESTI GATION OF CARBON NANOTUBE INTERFACES
01/07/2000 - 01/14/2001 FY02: $0 Total: $5,000
Prin. Invest.: V AYRES
Tech. Officer: GSFC/J M BENAVIDES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 9232 MICHIGAN STATE UNIV 5921
PATTERN TO PROCESS: RESEARCH AND APPLICATIONS FOR UNDERSTANDING MULTIPLE INTERACTIONS & FEEDBACK ON
04/03/2000 - 04/30/2003 FY02: $0 Total: $374,150
Prin. Invest.: R WALKER
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9276 MICHIGAN STATE UNIV 5922
SYNTHESIS OF HYBRID CARBON NANOTUBE/DIAMOND FILMS
03/16/2000 - 05/14/2002 FY02: $0 Total: $20,000
Prin. Invest.: D TOMANEK
Tech. Officer: GSFC/H SHAW
CASE Category: 13 – PHYSICS

NAG 5 9286 MICHIGAN STATE UNIV 5923
GOFC DATA & INFORMATION FOR TROPICAL FOREST ASSESS MENT & MANAGEMENT
03/16/2000 - 04/30/2003 FY02: $0 Total: $205,044
Prin. Invest.: J QI
Tech. Officer: HQ/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9563 MICHIGAN STATE UNIV 5924
SOLAR SURFACE CONVECTION
05/09/2000 - 05/14/2003 FY02: $0 Total: $170,954
Prin. Invest.: R F STEIN
Tech. Officer: GSFC/W J WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 10200 MICHIGAN STATE UNIV 5925
ENCHANCING PROFESSIONAL DEVELOPMENT OF LANDSCAPE ECOLOGISTS OF THE NEXT GENERATION
12/21/2000 - 12/31/2002 FY02: $0 Total: $15,000
Prin. Invest.: J LIU
Tech. Officer: GSFC/G GUTMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11319 MICHIGAN STATE UNIV 5926
THE FORMATION AND EVOLUTION OF GLOBULAR CLUSTER SYSTEMS AND IMPLICATIONSFOR THE FORMATION HISTORY
10/23/2001 - 06/30/2005 FY02: $137,260 Total: $137,260
Prin. Invest.: S SEPF
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11320 MICHIGAN STATE UNIV 5927
GLOBULAR CLUSTER FORMATION (ATP 99)
10/23/2001 - 06/30/2003 FY02: $134,927 Total: $134,927
Prin. Invest.: S ZEPF
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11740 MICHIGAN STATE UNIV 5928
GOFC FOREST COVER CHARACTERISTICS AND CHANGES IMPL EMENTATION TEAM MEETING PROPOSAL
02/13/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: D L SKOLE
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12450 MICHIGAN STATE UNIV 5929
LOCAL SOLAR MAGNETIC FIELDS
08/20/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: R F STEIN
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12617 MICHIGAN STATE UNIV 5930
SIMULATING THE EFFECTS OF "PLAN COLOMBIA" ON LAND USE AND LAND COVER IN THE ECUADORIAN AMAZON: A COM
09/26/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: J MESSINA
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1575 MICHIGAN STATE UNIV 5931
MICROGRAVITY REGULATION OF ONCOGENE EXPRESSION AND OSTEOBLAST DIFFERENTIATION.
02/17/1999 - 11/30/2002 FY02: $0 Total: $359,400
Prin. Invest.: L R MCCABE
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1690 **MICHIGAN STATE UNIV** **5932**
INVESTIGATION OF SOLIDIFICATION PROCESS WITH CONVECTION USING MESHLESS METHODS & VERIFICATION
05/16/2000 - 11/30/2003 FY02: $0 Total: $140,061
Prin. Invest.: A BERNARD, M KOOCHESFAHANI, A DIAZ
Tech. Officer: MSFC/P DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 1211 **MICHIGAN STATE UNIV** **5933**
WATER DRIVEN ALTERATION OF ROCKS & MINERALS ON MARS ASTERI-ODS:CLUES TO THE SEARCH FOR LIFE
04/04/2000 - 04/09/2002 FY02: $0 Total: $15,496
Prin. Invest.: M A VELBEL
Tech. Officer: JSC/D S MCKAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1274 **MICHIGAN STATE UNIV** **5934**
CENTER FOR GENOMIC AND EVOLUTIONARY STUDIES ON MIC ROBIAL LIFE AT LOW TEMPERATURE
07/20/2001 - 06/30/2006 FY02: $0 Total: $376,075
Prin. Invest.: M THOMASHOW, J TIEDJE, L SEPULVEDA
Tech. Officer: ARC/R GRYMES, ARC/W W DOLCI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 662 **MICHIGAN STATE UNIV** **5935**
INVESTIGATION OF DIFFUSION FLAM TIP INSTABILITY IN MICROGRAVITY
01/14/1999 - 01/03/2003 FY02: $0 Total: $273,339
Prin. Invest.: I S WICHMAN
Tech. Officer: GRC/S OLSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 868 **MICHIGAN STATE UNIV** **5936**
HIGH-TEMPERATURE SHAPE-MEMORY ALLOY DEVELOPMENT FO R ACTUA-TION ABOVE 500 C
02/28/2001 - 03/31/2004 FY02: $0 Total: $64,500
Prin. Invest.: D S GRUMMON
Tech. Officer: GRC/M V NATHAL
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 5 291 **MICHIGAN STATE UNIV** **5937**
MEASUREMENT AND MODELING OF THE INTER-ANNUAL DYNAM ICS OF DEFORESTATION AND REGROWTH INTHE BRAZILI
06/16/1998 - 12/31/2002 FY02: $0 Total: $961,952
Prin. Invest.: D SKOLE
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 303 **MICHIGAN STATE UNIV** **5938**
CREATIVE & INNOVATIVE WORKING PROTOTYPE EARTH SCIENCE INFOR-MATION PARTNERSHIPS IN SUPPORT
04/09/1998 - 12/31/2002 FY02: $0 Total: $4,352,000
Prin. Invest.: D SKOLE
Tech. Officer: GSFC/M MAIDEN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 52216 **MICHIGAN STATE UNIV** **5939**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/01/1999 - 06/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: L M HUDY, A NAGUIB
Tech. Officer: LARC/W M HUMPHREYS, JR.
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 30166 **MICHIGAN STATE UNIV** **5940**
MAPPING THE SPATIAL DISTRIBUTION OF BAMBOO IN A GI ANT PANDA RESERVE: A STUDY OF THE RELATIONSHIP
09/01/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: J LIU
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30340 **MICHIGAN STATE UNIV** **5941**
MODELING THE SOCIO-ECONOMIC DRIVERS OF LAND USE & COVER CHANGE IN SOUTH AFRICA: INTEGRATING SOCIAL S
08/21/2000 - 08/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: D J CAMPBELL
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50150 **MICHIGAN STATE UNIV** **5942**
AN INTEGRATED ASSESSMENT OF THE CUMULATIVE IMPACTS ARCTIC DEVELOPMENT
09/11/1997 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: P WEBBER
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50378 **MICHIGAN STATE UNIV** **5943**
ON-LINE LEARNING OF SENSOR-IMAGE STABILIZATION INS PIRED BY THE VESTIBULAR SYSTEM OF SQUIRR
09/17/2001 - 09/14/2004 FY02: $0 Total: $22,000
Prin. Invest.: P PIERRE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT13 52715 **MICHIGAN STATE UNIV** **5944**
NASA GRADUATE STUDENT RESEARCHER PROGRAM FOR STACEY A.C. NELSON
10/01/1997 - 08/15/2001 FY02: $0 Total: $66,000
Prin. Invest.: P SORRANO
Tech. Officer: SSC/A JOYCE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 1 01004 **MICHIGAN TECHNOLOGICAL UNIV** **5945**
GRAPHITE NANOREINFORCEMENTS FOR AEROSPACE NANO- COMPOS-ITES
11/24/2000 - 09/30/2003 FY02: $0 Total: $74,932
Prin. Invest.: L DRZAL
Tech. Officer: LARC/J HINKLEY, LARC/T S GATES
CASE Category: 12 – CHEMISTRY

NAG 3 2088 **MICHIGAN TECHNOLOGICAL UNIV** **5946**
NUMERICAL STUDIES OF THE LDI AND THE LPP/LDI GAS T URBINE COMBUSTOR CONCEPTS
12/23/1997 - 01/28/2002 FY02: $0 Total: $323,636
Prin. Invest.: S L YANG
Tech. Officer: GRC/R R TACINA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2759 **MICHIGAN TECHNOLOGICAL UNIV** **5947**
NUMERICAL STUDY OF LOW-EMISSION GAS-TURBINE COMBUS TOR (PHASE V)
04/03/2002 - 03/04/2003 FY02: $0 Total: $0
Prin. Invest.: D YANG
Tech. Officer: GRC/P PENKO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 5278 MICHIGAN TECHNOLOGICAL UNIV 5948
OBSERVING AND MEASURING EARLY OPTICAL LIGHT CURVES FROM GAMMA-RAY BURSTS WITH LOTIS
06/21/2000 - 12/31/2002 FY02: $0 Total: $20,000
Prin. Invest.: R NEMIROFF
Tech. Officer: WFF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 6310 MICHIGAN TECHNOLOGICAL UNIV 5949
LINEAR ADAPTIVE MIRROR TESTBED TO SUPPORT DIRECT DETECTION OF EXTRA-SOLAR PLANETS
10/06/1997 - 06/14/2002 FY02: $0 Total: $224,768
Prin. Invest.: D FTACLAS
Tech. Officer: GSFC/B CAMPBELL
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7051 MICHIGAN TECHNOLOGICAL UNIV 5950
LAKE SUPERIOR ICE FIELD MEASUREMENTS FOR C-BAND SA R BACK-SCATTER SIGNATURES AND ICE COVER AN
03/12/1998 - 07/31/2002 FY02: $0 Total: $144,425
Prin. Invest.: D PILANT
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7272 MICHIGAN TECHNOLOGICAL UNIV 5951
VOLCANIC PLUME ANALYSIS USING TOMS AND AVHRR DATA
04/30/1998 - 03/31/2002 FY02: $0 Total: $132,026
Prin. Invest.: W ROSE
Tech. Officer: GSFC/A J KRUEGER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7576 MICHIGAN TECHNOLOGICAL UNIV 5952
FUNDING FOR 'APPLICATION OF TOMS DATA TO VOLCANIC HAZARD MITIGATION' (SENH98-0061)
08/04/1998 - 07/31/2002 FY02: $0 Total: $180,000
Prin. Invest.: G J BLUTH
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8796 MICHIGAN TECHNOLOGICAL UNIV 5953
EARTH AND SPACE SCIENCES PROJECT SERVICES FOR NASA HPCC
09/21/1999 - 01/31/2003 FY02: $0 Total: $563,516
Prin. Invest.: D MERKEY
Tech. Officer: GSFC/J R FISCHER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10568 MICHIGAN TECHNOLOGICAL UNIV 5954
ICE-SULFUR-ASH INTERACTIONS IN VOLCANIC CLOUDS: LABORATORY STUDIES OF ICE NUCLEATION
03/12/2001 - 03/14/2004 FY02: $0 Total: $82,459
Prin. Invest.: R SHAW
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11062 MICHIGAN TECHNOLOGICAL UNIV 5955
VALIDATION OF TOMS VOLCANIC AEROSOL & SO2 PRODUCTS USING MODIS & AVHRR
06/27/2001 - 06/30/2004 FY02: $0 Total: $95,000
Prin. Invest.: G BLUTH
Tech. Officer: GSFC/R MVPETERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1478 MICHIGAN TECHNOLOGICAL UNIV 5956
R/S GRAVITY INDUCED SETTLING IN INTERCONNECTED LIQUID SOLID SYSTEMS
02/18/1998 - 01/31/2003 FY02: $0 Total: $258,833
Prin. Invest.: T H COURTNEY
Tech. Officer: MSFC/C TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NGT 5 76 MICHIGAN TECHNOLOGICAL UNIV 5957
COLLEEN RILEY "TWO-DIMENSIONAL CHARACTERIZATION OF VOLCANIC ASH-APPLICATIONS TOREMOTE SENSING ALGO
07/22/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: W I ROSE
Tech. Officer: GSFC/M S BURRELL
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 5 120 MICHIGAN TECHNOLOGICAL UNIV 5958
THE GROUNDING OF COMPOSITE MATERIALS & THE IMPACT ON EMC/STUDENT: DERIK C. LOVE
05/31/2001 - 08/14/2004 FY02: $0 Total: $22,000
Prin. Invest.: E ROTHWELL
Tech. Officer: GSFC/M S BURRELL
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2792 OAKLAND UNIV 5959
PROTECTION AGAINST UV & X-RAY CATARACTS USING DYNA MIC LIGHT SCATTERING AS A MARKER
07/08/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: F GIBLIN
Tech. Officer: GRC/R ANSARI
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2042 UNIV OF MICHIGAN - ANN ARBOR 5960
TROPOSPHERIC TRACE GAS BUDGETS: INTERACTIONS WITH AEROSOLS
04/23/1998 - 02/22/2002 FY02: $0 Total: $343,040
Prin. Invest.: J E PENNER
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2181 UNIV OF MICHIGAN - ANN ARBOR 5961
DATA-BASED CLIMATOLOGIES AND STUDY OF THE OZONE BUDGET IN THE TROPOPAUSE
03/31/1999 - 12/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: M A CARROLL
Tech. Officer: LARC/G R MADDREA, LARC/L POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01032 UNIV OF MICHIGAN - ANN ARBOR 5962
DESIGN STUDY OF A SYNTHETIC THINNED APERTURE RADIO METER FOR HURRICANE IMPACT PREDICTION
04/05/2001 - 06/30/2002 FY02: $0 Total: $65,000
Prin. Invest.: C S RUF
Tech. Officer: LARC/J W JOHNSON, LARC/R W LAWRENCE
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 1878 UNIV OF MICHIGAN - ANN ARBOR 5963
SOOT FORMATION IN FREELY-PROPAGATING LAMINAR PREM IXED FLAMES
05/20/1996 - 06/30/2001 FY02: $0 Total: $361,254
Prin. Invest.: G M FAETH
Tech. Officer: GRC/H D ROSS
CASE Category: 46 – MECHANICAL ENGR

NAG 3 1900 UNIV OF MICHIGAN - ANN ARBOR 5964
A STUDY OF NUCLEATE BOILING WITH FORCED CONVECTION IN MICRO-GRAVITY
07/22/1996 - 07/21/2001 FY02: $0 Total: $199,920
Prin. Invest.: P MERTE
Tech. Officer: GRC/F CHIARAMONTE
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2048 UNIV OF MICHIGAN - ANN ARBOR 5965
LAMINAR SOOT PROCESSES EXPERIMENT (LSP)
05/06/1997 - 12/31/2000 FY02: $0 Total: $596,227
Prin. Invest.: G M FAETH
Tech. Officer: GRC/D URBAN
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2082 UNIV OF MICHIGAN - ANN ARBOR 5966
STRATEGY 2000: RECRUITMENT, RETENTION, RECOGNITIO N; A BALANCED APPROACH TO DIVERSITY AND EXCELLENC
09/30/1997 - 02/01/2003 FY02: $0 Total: $255,760
Prin. Invest.: D E SCOTT, J W JONES
Tech. Officer: GRC/A GONZALEZ, GRC/S A MERRITT
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2134 UNIV OF MICHIGAN - ANN ARBOR 5967
MICROSCOPIC VISUALIZATION OF FLUID FLOWN IN EVAPOR ATION DROP-LETS AND ELECTRO-OSMOTIC FLOWS
03/03/1998 - 01/05/2002 FY02: $0 Total: $385,850
Prin. Invest.: R G LARSON
Tech. Officer: GRC/D W GRIFFIN
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2162 UNIV OF MICHIGAN - ANN ARBOR 5968
COMPUTATIONS OF BOILING IN MICROGRAVITY COMPUTATIONS OF BOIL-ING IN MICROGRAVITY
04/27/1998 - 02/09/2002 FY02: $0 Total: $266,000
Prin. Invest.: G TRYGGVASON, D JACQMIN
Tech. Officer: GRC/D F CHAO
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2196 UNIV OF MICHIGAN - ANN ARBOR 5969
FLUID MECHANICS OF CAPILLARY-ELASTIC INSTABILITIES IN THE MICRO-GRAVITY ENVIRONMENT
09/03/1998 - 03/31/2002 FY02: $0 Total: $293,766
Prin. Invest.: J B GROTBERG
Tech. Officer: GRC/D F CHAO
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2216 UNIV OF MICHIGAN - ANN ARBOR 5970
USE OF LASER INDUCED FLOURESCENCE TO CHARACTERIZE DISCHARGE CATHODE EROSIONS OFAN ION ENGINES
01/14/1999 - 01/24/2003 FY02: $0 Total: $124,999
Prin. Invest.: A D GALLIMORE
Tech. Officer: GRC/J S SOVEY
CASE Category: 19 – PHYSICAL SCIENCE,OTHER

NAG 3 2307 UNIV OF MICHIGAN - ANN ARBOR 5971
DEVELOPMENT OF A TWO-STAGE ION THRUSTER DEVELOPMENT OF A TWO-STAGE ION THRUSTER
12/03/1999 - 11/23/2002 FY02: $0 Total: $70,000
Prin. Invest.: A D GALLIMORE
Tech. Officer: GRC/R S JANKOVSKY
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2330 UNIV OF MICHIGAN - ANN ARBOR 5972
LONG-TERM RELIABILITY OF HIGH-SPEED SIGE/SI HETERO JUNCTION BIPOLAR TRANSISTORS
02/10/2000 - 02/03/2001 FY02: $0 Total: $70,000
Prin. Invest.: P BHATTACHARYA
Tech. Officer: GRC/G PONCHAK
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2332 UNIV OF MICHIGAN - ANN ARBOR 5973
COMPUTATIONAL MODELING OF THE EFFECT OF SECONDARY FORCES ON THE PHASE DISTRIBUTION IN DISPERSED MULT
02/11/2000 - 11/30/2003 FY02: $0 Total: $60,000
Prin. Invest.: G TRYGGVASON
Tech. Officer: GRC/D F CHAO
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2356 UNIV OF MICHIGAN - ANN ARBOR 5974
AGGREGATION AND GELATION IN SUSPENSIONS OF ANISOME TRIC PAR-TICLES: STUDIES OF COLLOIDAL PLATELETS AN
03/15/2000 - 11/30/2003 FY02: $0 Total: $126,000
Prin. Invest.: M D SOLOMON
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2404 UNIV OF MICHIGAN - ANN ARBOR 5975
LAMINAR SOORT PROCESSES (LSP) LAMINAR SOORT PROCESSES (LSP)
04/27/2000 - 12/31/2002 FY02: $0 Total: $218,228
Prin. Invest.: G M FAETH
Tech. Officer: GRC/D URBAN
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2406 UNIV OF MICHIGAN - ANN ARBOR 5976
USING NONLINEARITY AND CONTACT LINES TO CONTROL FL UID FLOW IN MICROGRAVITY
04/27/2000 - 11/30/2003 FY02: $0 Total: $106,882
Prin. Invest.: M PERLIN
Tech. Officer: GRC/C LEK
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2497 UNIV OF MICHIGAN - ANN ARBOR 5977
MODELING THE PERFORMANCE AND LIFETIME OF ION THRUS TERS
10/27/2000 - 10/31/2002 FY02: $0 Total: $50,653
Prin. Invest.: I D BOYD
Tech. Officer: GRC/G SOULAS
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 3 2530 UNIV OF MICHIGAN - ANN ARBOR 5978
LONG TERM RELIABILITY OF HIGH SPEED SIGE/SI HETERO JUNCTON BIPOLAR TRANSISTORS
01/23/2001 - 01/31/2003 FY02: $0 Total: $69,886
Prin. Invest.: P BHATTACHARYA
Tech. Officer: GRC/G E PONCHAK
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2582 UNIV OF MICHIGAN - ANN ARBOR 5979
APPLICATION OF NANOTUBES TO WEIGHT REDUCTION IN RO TOCRAFT DRIVE SYSTEMS
04/02/2001 - 10/01/2001 FY02: $0 Total: $60,032
Prin. Invest.: P P FRIEDMAN
Tech. Officer: GRC/W MORALES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2604 UNIV OF MICHIGAN - ANN ARBOR 5980
ADVANCED VIBRATION ANALYSIS TOOLS AND NEW STRATEGI ES FOR ROBUST DESIGN OF TURBINE ENGINE ROTORS
05/23/2001 - 05/31/2005 FY02: $0 Total: $50,000
Prin. Invest.: C PIERRE
Tech. Officer: GRC/O MEHMED
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2708 UNIV OF MICHIGAN - ANN ARBOR 5981
MICROFLUIDIC & DIELECTRIC PROCESSING OF DNA MICROFLUIDIC & DIELECTRIC PROCESSING OF DNA
02/13/2002 - 02/04/2006 FY02: $0 Total: $0
Prin. Invest.: R G LARSON
Tech. Officer: GRC/D W GRIFFIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2740 UNIV OF MICHIGAN - ANN ARBOR 5982
FLUID DYNAMICS & INTERFACIAL STABILITY OF PULMONAR Y AIRWAY CLOSURE AND REOPENING IN MICROGRAVITY
03/12/2002 - 02/12/2006 FY02: $0 Total: $0
Prin. Invest.: J B GROTBERG
Tech. Officer: GRC/C LEK
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2787 UNIV OF MICHIGAN - ANN ARBOR 5983
NOVEL BIOMEDICAL DEVICES UTILIZING LIGHT EMITTING NANOSTRUCTURES
05/31/2002 - 05/15/2003 FY02: $0 Total: $0
Prin. Invest.: R S GOLDMAN
Tech. Officer: GRC/M SCARDELLETTI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2800 UNIV OF MICHIGAN - ANN ARBOR 5984
INVESTIGATION OF INLET FLOWS AT HIGH MACH NUMBERS INVESTIGATION OF INLET FLOWS AT HIGH MACH NUMBERS
08/12/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: D E GEISTER
Tech. Officer: GRC/A R PORRO
CASE Category: 46 – MECHANICAL ENGR

NAG 5 2869 UNIV OF MICHIGAN - ANN ARBOR 5985
STAR FORMATION STUDIES: DYNAMICS AND INFRARED SIGN ATURES
01/12/1995 - 07/14/2001 FY02: $0 Total: $225,000
Prin. Invest.: F C ADAMS
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 4007 UNIV OF MICHIGAN - ANN ARBOR 5986
DYNAMICAL VARIATIONS IN THE MESOSPHERE AND LOWER T AND INTERANNUAL VARIABLITY
03/06/1997 - 09/30/2001 FY02: $0 Total: $213,729
Prin. Invest.: D D SKINNER
Tech. Officer: GSFC/M M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 4381 UNIV OF MICHIGAN - ANN ARBOR 5987
STUDIES OF TENOUS PLANETARY ATMOSPHERES
04/29/1997 - 12/31/2001 FY02: $0 Total: $254,455
Prin. Invest.: D R COMBI
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4589 UNIV OF MICHIGAN - ANN ARBOR 5988
A PROGRAM FOR RESEARCH IN PLANETARY ATMOSPHERES: P COUPLED CLOUD PHYSICS
05/23/1997 - 12/31/2001 FY02: $0 Total: $249,000
Prin. Invest.: P K ATREYA
Tech. Officer: GSFC/R BEEBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 5030 UNIV OF MICHIGAN - ANN ARBOR 5989
SOLAR AND MAGNETOSPHERIC INPUTS TO THE MLTI REGION
03/03/1995 - 03/05/2005 FY02: $0 Total: $502,974
Prin. Invest.: J KOZYRA
Tech. Officer: GSFC/R PLESS
CASE Category: 13 – PHYSICS

NAG 5 5049 UNIV OF MICHIGAN - ANN ARBOR 5990
TIDI - A TIMED DOPPLER INTERFEROMETER NEW AWARD
12/04/1995 - 01/17/2006 FY02: $0 Total: $2,249,997
Prin. Invest.: T L KILLEN
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5173 UNIV OF MICHIGAN - ANN ARBOR 5991
STUDY OF AN IMAGING CALORIMETER FOR ACCESS FUNDING FOR FIRST YEAR OF GRANT
03/05/1998 - 03/31/2002 FY02: $0 Total: $255,000
Prin. Invest.: G TARLE
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5230 UNIV OF MICHIGAN - ANN ARBOR 5992
GRANT NAG5-5230 - HIGH ENERGY ANTIMATTER TELESCOPE (HEAT) PI PROF. GREGORY TARLE'
03/16/1999 - 03/11/2003 FY02: $0 Total: $590,500
Prin. Invest.: G TARLE
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5262 UNIV OF MICHIGAN - ANN ARBOR 5993
FIRST YEAR OF THREE YEAR EFFORT/ SOUNDING ROCKET UV MEASUREMENTS
04/11/2000 - 03/23/2003 FY02: $0 Total: $150,000
Prin. Invest.: J T CLARK
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5281 UNIV OF MICHIGAN - ANN ARBOR 5994
CONTEMPORANEOUS OPTICAL DETECTION OF GAMMA-RAY BURSTS
06/14/2000 - 06/07/2003 FY02: $0 Total: $462,500
Prin. Invest.: C W AKERLOFF
Tech. Officer: WFF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5304 UNIV OF MICHIGAN - ANN ARBOR 5995
GRANT NAG5-5304 CONSTRUCTION OF A HIGH PFR PULSED KU-BAND RADAR FOR MEASUREMENTS OF SEA SURFACE SLOP
09/27/2000 - 02/28/2002 FY02: $0 Total: $30,000
Prin. Invest.: K SARABANDI
Tech. Officer: WFF/D C VANDEMARK, WFF/E J WALSH
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 6471 UNIV OF MICHIGAN - ANN ARBOR 5996
ENERGETIC PARTICLE PROPAGATION IN THE NEW MODEL FO R THE HELIOSPHERIC MAGNETIC FIELD
11/17/1997 - 10/31/2000 FY02: $0 Total: $120,196
Prin. Invest.: T ZURBUCHEN
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7474 UNIV OF MICHIGAN - ANN ARBOR 5997
HIGH RESOLUTION DOPPLER IMAGER - OPERATIONS AND AL GORITHM MAINTENANCE
06/23/1998 - 06/30/2001 FY02: $0 Total: $672,000
Prin. Invest.: W SKINNER
Tech. Officer: GSFC/C H JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7557 UNIV OF MICHIGAN - ANN ARBOR 5998
GGS/POLAR TIDE CO-INVESTIGATOR PROGRAM MO&DA SUPP LEMENTAL FUNDS
06/25/1998 - 06/30/2001 FY02: $0 Total: $124,000
Prin. Invest.: A NAGEY
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7681 UNIV OF MICHIGAN - ANN ARBOR 5999
DEFINING A CLIMATOLOGY AND THE EFFECTS OF ABSORBIN G AEROSOLS-:MODELS AND MEASUREMENTS
09/04/1998 - 08/31/2002 FY02: $0 Total: $480,000
Prin. Invest.: J PENNER
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7858 UNIV OF MICHIGAN - ANN ARBOR 6000
MEASUREMENT OF ABSOLUTE DIFFERENTIAL CROSS SECTION S FOR THE COLLISIONS OF ELECTRONS WITH PLANETARY
01/05/1999 - 03/31/2001 FY02: $0 Total: $127,100
Prin. Invest.: D SHYN
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 7860 UNIV OF MICHIGAN - ANN ARBOR 6001
THE SOLAR SYSTEM BEYOND PLUTO
01/06/1999 - 12/31/2001 FY02: $0 Total: $152,586
Prin. Invest.: D M BERNSTEIN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8080 UNIV OF MICHIGAN - ANN ARBOR 6002
STATE-TO-STATE RATE CONSTANTS FOR COMPUTATION OF N ON-LTE INFRARED RADIATIVE TRANSFER IN THE M
01/15/1999 - 08/01/2002 FY02: $0 Total: $279,500
Prin. Invest.: D R BARKER
Tech. Officer: GSFC/M MELLOTT
CASE Category: 11 – ASTRONOMY

NAG 5 8238 UNIV OF MICHIGAN - ANN ARBOR 6003
MASSIVE BLACK HOLES AND THE CENTERS OF GALAXIES (LTSA98)
02/25/1999 - 02/28/2002 FY02: $0 Total: $261,042
Prin. Invest.: D O RICHSTONE
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8458 UNIV OF MICHIGAN - ANN ARBOR 6004
MODELING OF X-RAY CLUSTERS (ATP 98)
04/15/1999 - 04/14/2003 FY02: $0 Total: $124,000
Prin. Invest.: A E EVRARD
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8630 UNIV OF MICHIGAN - ANN ARBOR 6005
HIERARCHICAL INVESTIGATION OF SOCIOECONOMIC DRIVER OF DEC-ADAL SCALE LAND-COVER CHANGES IN THE UPPER
08/11/1999 - 04/30/2001 FY02: $0 Total: $73,879
Prin. Invest.: D G BROWN
Tech. Officer: GSFC/J RANSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8661 UNIV OF MICHIGAN - ANN ARBOR 6006
MOISTURE TRANSPORT AND RADIOBRIGHTNESS MODELS FOR COMPLEX VEGETATION
07/01/1999 - 06/30/2003 FY02: $0 Total: $307,050
Prin. Invest.: A W ENGLAND
Tech. Officer: GSFC/P T HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8715 UNIV OF MICHIGAN - ANN ARBOR 6007
DYNAMICS IN THE COMET ENVIRONMENT
08/03/1999 - 06/30/2003 FY02: $0 Total: $70,500
Prin. Invest.: D J SCHEERES
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8719 UNIV OF MICHIGAN - ANN ARBOR 6008
HIERARCHICAL INVESTIGATION OF SOCIOECONOMIC DRIVER S OF DEC-ADAL SCALE LAND-COVER CHANGES IN THE UPPE
08/02/1999 - 04/30/2001 FY02: $0 Total: $51,250
Prin. Invest.: D G BROWN
Tech. Officer: GSFC/J RANSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8845 UNIV OF MICHIGAN - ANN ARBOR 6009
CASSINI-HUYGENS GAS CHROMATOGRAPH MASS SPECTROMETE R SCI-ENCE SUPPORT
10/25/1999 - 10/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: S K ATREYA
Tech. Officer: GSFC/W T KASPRZAK
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8930 UNIV OF MICHIGAN - ANN ARBOR 6010
SOLID EARTH AND NATURAL HAZARDS RESEARCH AND APPLI CATIONS
01/13/2000 - 01/14/2003 FY02: $0 Total: $150,000
Prin. Invest.: K SARABANDI
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8942 UNIV OF MICHIGAN - ANN ARBOR 6011
THE DISTRIBUTION OF GASES IN THE INNER COMAE OF COMETS
01/14/2000 - 01/14/2003 FY02: $0 Total: $220,000
Prin. Invest.: M R COMBI
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8946 UNIV OF MICHIGAN - ANN ARBOR 6012
STUDIES OF SOLAR WIND INTERACTION AND IONOSPHERIC PROCESSES AT VENUS AND MARS
01/14/2000 - 03/31/2003 FY02: $0 Total: $179,923
Prin. Invest.: A NAGY
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8993 UNIV OF MICHIGAN - ANN ARBOR 6013
DYNAMICS IN THE EROS ENVIRONMENT
01/24/2000 - 12/31/2001 FY02: $0 Total: $66,124
Prin. Invest.: D J SCHEERES
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9017 UNIV OF MICHIGAN - ANN ARBOR 6014
DYNAMICS OF THE ASTEROID ENVIRONMENT
02/02/2000 - 03/31/2002 FY02: $0 Total: $43,000
Prin. Invest.: D J SCHEERES
Tech. Officer: GSFC/J GRANT
CASE Category: 11 – ASTRONOMY

NAG 5 9021 UNIV OF MICHIGAN - ANN ARBOR 6015
DO ELLIPTICAL GALAXY COOLING FLOWS ACTUALLY COOL? - FUSE
02/03/2000 - 02/14/2002 FY02: $0 Total: $31,000
Prin. Invest.: J N BREGMAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9406 UNIV OF MICHIGAN - ANN ARBOR 6016
HIGH PERFORMANCE PARALLEL METHODS FOR SPACE WEATHER SIMULATION
04/10/2000 - 04/30/2003 FY02: $0 Total: $325,700
Prin. Invest.: T GOMBOSI
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9464 UNIV OF MICHIGAN - ANN ARBOR 6017
A MASSIVELY PARALLEL PARTICLE CODE FOR RARIFIED IONIZED & NEUTRAL GAS FLOWS IN EARTH & PLANETARY
04/18/2000 - 04/14/2003 FY02: $0 Total: $233,600
Prin. Invest.: M COMBI
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 9762 UNIV OF MICHIGAN - ANN ARBOR 6018
DESIGN STUDY OF A SYNTHETIC APERTURE PRECIPITATION RADIOMETER
08/03/2000 - 07/31/2002 FY02: $0 Total: $248,283
Prin. Invest.: C RUF
Tech. Officer: GSFC/C M PRINCIPE
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 9980 UNIV OF MICHIGAN - ANN ARBOR 6019
METAL ENRICHMENT MECHANISMS IN ABELL 2199 & ABELL 3571
09/13/2000 - 09/14/2003 FY02: $0 Total: $31,700
Prin. Invest.: J N BREGMAN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9981 UNIV OF MICHIGAN - ANN ARBOR 6020
1HE NATURE OF THE X-RAY EMISSION IN SA BULGES
09/13/2000 - 09/14/2003 FY02: $0 Total: $31,600
Prin. Invest.: J N BREGMAN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10036 UNIV OF MICHIGAN - ANN ARBOR 6021
A MODULAR CODE FOR A COMM VERSION OF THE MICH IGAN LSP/R MODEL
10/31/2000 - 04/30/2002 FY02: $0 Total: $35,000
Prin. Invest.: A ENGLAND
Tech. Officer: GSFC/P E O'NEILL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10138 UNIV OF MICHIGAN - ANN ARBOR 6022
NOZOMI NEUTRAL MASS SPECTROMETER SCIENCE SUPPORT
12/12/2000 - 12/14/2004 FY02: $0 Total: $15,000
Prin. Invest.: S K ATREYA
Tech. Officer: GSFC/W T KASPRZAK
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10181 UNIV OF MICHIGAN - ANN ARBOR 6023
NOZOMI NEUTRAL MASS SPECTROMETER SCIENCE SUPPORT - DEVELOPING UPPER ATMOSPHERIC, EXOSPHERIC MODELS
01/18/2001 - 01/31/2005 FY02: $0 Total: $15,000
Prin. Invest.: A F NAGY
Tech. Officer: GSFC/W T KASPRZAK
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10297 UNIV OF MICHIGAN - ANN ARBOR 6024
PHYSICAL RESPONSE OF THE INNER MAGNETOSPHERE TO GE OEFFECTIVE SOLAR WIND DRIVERS: ENERGY DISSIPATION
02/15/2001 - 01/31/2002 FY02: $0 Total: $47,000
Prin. Invest.: K KOZYRA
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10336 UNIV OF MICHIGAN - ANN ARBOR 6025
SELF-RELIANT, HIGH RESOLUTION IMAGING USING FORMAT ION FLYING SPACECRAFT
02/07/2001 - 02/14/2004 FY02: $0 Total: $355,697
Prin. Invest.: D HYLAND
Tech. Officer: GSFC/J A LEITNER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10552 UNIV OF MICHIGAN - ANN ARBOR 6026
ASU/MICHIGAN COLLABORATION: THE ABUNDANCE & ISOTOP IC COMPOSITION OF HG IN EXTRATERRESTRIAL MATERIAL
03/09/2001 - 03/14/2004 FY02: $0 Total: $20,000
Prin. Invest.: J BLUM
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10765 UNIV OF MICHIGAN - ANN ARBOR 6027
X-RAY ABSRPTION STUDIES; COOLING FLOWS (LTS-2000)
04/23/2001 - 04/30/2006 FY02: $0 Total: $110,000
Prin. Invest.: J N BREGMAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10805 UNIV OF MICHIGAN - ANN ARBOR 6028
CONCEPT STUDY FOR THE "THE HEAVY NUCLEI EXPLORER" (HNX) MISSION AO-99-OSS-05
04/30/2001 - 04/30/2002 FY02: $0 Total: $57,700
Prin. Invest.: D TARLE
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 10806 UNIV OF MICHIGAN - ANN ARBOR 6029
RXTE OBSERVATIONS OF SELECTED BLAZARS - ADP - 99
04/23/2001 - 04/30/2004 FY02: $0 Total: $57,171
Prin. Invest.: J N BREGMAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10812 UNIV OF MICHIGAN - ANN ARBOR 6030
HIGH RESOLUTION DOPPLER IMAGER - OPERATIONS AND ALGORITHM MAINTENANCE.
05/02/2001 - 11/30/2002 FY02: $0 Total: $72,500
Prin. Invest.: W R SKINNER
Tech. Officer: GSFC/C H JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10850 UNIV OF MICHIGAN - ANN ARBOR 6031
SUPERPOSED EPOCH ANALYSIS OF RING CURRENT GEO- EFFECTIVENESS RELATED TO SOLAR WIND & PLASMA SHEET
05/07/2001 - 05/14/2004 FY02: $0 Total: $107,276
Prin. Invest.: M W LIEMOHN
Tech. Officer: GSFC/J F SPANN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10887 UNIV OF MICHIGAN - ANN ARBOR 6032
POLAR/TIDE
05/07/2001 - 05/14/2004 FY02: $0 Total: $50,000
Prin. Invest.: A NAGY
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10907 UNIV OF MICHIGAN - ANN ARBOR 6033
2001: A SPACETIME ODYSSEY
05/22/2001 - 05/31/2002 FY02: $0 Total: $12,500
Prin. Invest.: K FREESE
Tech. Officer: GSFC/D GOLOMBEK
CASE Category: 11 – ASTRONOMY

NAG 5 10975 UNIV OF MICHIGAN - ANN ARBOR 6034
A PREDICTIVE MODEL FOR THE MAGNETIC FIELD IN THE HELIOSPHERE
05/29/2001 - 05/31/2004 FY02: $0 Total: $69,365
Prin. Invest.: L A FINK
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11000 UNIV OF MICHIGAN - ANN ARBOR 6035
SOLAR WIND STRUCTURE IN THE INNER HELIOSPHERE: RATIONALE FOR THE LOCATION OF THE SENTINEL MISSION
06/06/2001 - 05/31/2004 FY02: $0 Total: $79,603
Prin. Invest.: T H ZURBUCHEN
Tech. Officer: GSFC/W J WAGNER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11004 UNIV OF MICHIGAN - ANN ARBOR 6036
RESEARCH IN PLANETARY ATMOSPHERES-JUPITER & TITAN
06/08/2001 - 09/14/2004 FY02: $0 Total: $90,000
Prin. Invest.: S K ATREYA
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11031 UNIV OF MICHIGAN - ANN ARBOR 6037
INTEGRATED MODELING STUDY OF THE EFFECTS OF MAGNET OSPHERIC FORCING ON THE JOVIAN IONOSPHERE-THERMOS
06/11/2001 - 05/30/2002 FY02: $0 Total: $90,000
Prin. Invest.: J H WAITE
Tech. Officer: GSFC/D J BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11041 UNIV OF MICHIGAN - ANN ARBOR 6038
MODELING OF COMETARY ATMOSPHERES
06/12/2001 - 06/14/2004 FY02: $0 Total: $90,000
Prin. Invest.: T I GOMBOSI
Tech. Officer: GSFC/D J BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 11068 UNIV OF MICHIGAN - ANN ARBOR 6039
DYNAMICAL STUDIES OF THE MIDDLE ATMOSPHERE USING HIGH RESOLUTION DOPPLER IMAGEROBSERVATIONS
07/09/2001 - 10/14/2002 FY02: $0 Total: $86,667
Prin. Invest.: W R SKINNER
Tech. Officer: GSFC/C JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11084 UNIV OF MICHIGAN - ANN ARBOR 6040
MODELING SIBERIAN BOREAL FOREST LAND-COVER CHANGE AND CARBON UNDER CHANGING ECONOMIC PARADIGMS
07/20/2001 - 08/14/2004 FY02: $0 Total: $96,393
Prin. Invest.: K BERGEN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11187 UNIV OF MICHIGAN - ANN ARBOR 6041
MGS MAG/ER DATA ANALYSIS USING A TIME AND MAGNETIC FIELD DEPENDENT ELECTRON TRANSPORT MODEL
08/08/2001 - 08/31/2004 FY02: $0 Total: $90,000
Prin. Invest.: M C LIEMOHN
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11271 UNIV OF MICHIGAN - ANN ARBOR 6042
DEVELOPING LAND COVER SCENARIOS IN METROPOLITAN AN D NON-METROPOLITAN MICHIGAN
08/23/2001 - 08/31/2004 FY02: $0 Total: $119,410
Prin. Invest.: D BROWN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11275 UNIV OF MICHIGAN - ANN ARBOR 6043
TRACE GAS/AERSOL INTERACTIOS AND GMI MODELING SUPP ORT
08/22/2001 - 08/31/2004 FY02: $0 Total: $100,051
Prin. Invest.: J PENNER
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11406 UNIV OF MICHIGAN - ANN ARBOR 6044
VEGETATION CORRECTED SRTM - DERIVED DIGITAL ELEVAT ION MODELS.
12/06/2001 - 12/14/2003 FY02: $0 Total: $0
Prin. Invest.: C DOBSON
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11414 UNIV OF MICHIGAN - ANN ARBOR 6045
THE PLANET-B NEUTRAL MASS SPECTROMETER: THERMO- SPHERE-IONOSPHERE STUDIESUSINGTHE MTGM.
01/03/2002 - 10/14/2003 FY02: $0 Total: $0
Prin. Invest.: S W BOUGHER
Tech. Officer: GSFC/W T KASPRZAK
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11448 UNIV OF MICHIGAN - ANN ARBOR 6046
THE SUPERNOVA HEATING RATE IN SPIRAL GALAXIES.
12/06/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: J N BREGMAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11483 UNIV OF MICHIGAN - ANN ARBOR 6047
THE TRUTH ABOUT COOLING FLOWS IN ELLIPTICAL GALAXI ES FUSE 2000
12/14/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: J N BREGMAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11580 UNIV OF MICHIGAN - ANN ARBOR 6048
THE SURFACE CLIMATE SIGNAL IN THE CONTEXT OF LSP/R ADIOBRIGHT-NESS MODEL- BASED ESTIMATES OF LAND ATM
01/14/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: A W ENGLAND
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11609 UNIV OF MICHIGAN - ANN ARBOR 6049
NEXT GENERATION LIGHTWEIGHT RAINFALL RADIOMETER SY NTHETICALLY-THINNED APERTURE RADIOMETER (NGLRR
01/31/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: C RUF
Tech. Officer: GSFC/C PRINCIPE
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 11639 UNIV OF MICHIGAN - ANN ARBOR 6050
DYNAMICS OF THE ASTEROID ENVIRONMENT
01/22/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: D J SCHEERES
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11674 UNIV OF MICHIGAN - ANN ARBOR 6051
THE STUDY OF BIOMASS EMISSIONS FOR DEFINING RADIAT IVE FORCING OF CLIMATE
01/30/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: J PENNER
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11748 UNIV OF MICHIGAN - ANN ARBOR 6052
WORKSHOP PLANNING PROPOSAL FOR A REGIONAL GOFC WOR KSHOP″ GOFC SATELLITE INFORMATION PRODUCTS FOR FO
02/25/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: K BERGEN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11831 UNIV OF MICHIGAN - ANN ARBOR 6053
OBSERVATIONAL AND THEORETICAL ANALYSIS OF THE MAGN ETO-SPHERE'S DYNAMIC RESPONSE TO SOLAR WIND DRIV
03/06/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: J U KOZYRA
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11905 UNIV OF MICHIGAN - ANN ARBOR 6054
PLANETS FORMATION AMONG THE NEAREST YOUNG STARS
04/04/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: R JAYAWARDHANA
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11973 UNIV OF MICHIGAN - ANN ARBOR 6055
HIGH RESOLUTION X-RAY PROPERTIES OF BL LACS: AN XMM SURVEY
04/10/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: M F ALLER
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 12040 UNIV OF MICHIGAN - ANN ARBOR 6056
INVESTIGATION OF THE STORM-SUB-STORM RELATIONSHIP USING UVI IMAGES, GROUND BASE MANAGEMENTS AND
04/17/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: R CLAUER
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12084 UNIV OF MICHIGAN - ANN ARBOR 6057
ANALYSIS AND ARCHIVAL OF HRDI DATA.
04/24/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: W SKINNER
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12146 UNIV OF MICHIGAN - ANN ARBOR 6058
STORM-TIME AND SOLAR CYCLE EFFECTS IN THE HIGH- LATITUDE MAGENETOSPHERE-IONOSPHERE COUPLING
05/14/2002 - 05/14/2004 FY02: $0 Total: $0
Prin. Invest.: V O PAPITASHVILI
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12171 UNIV OF MICHIGAN - ANN ARBOR 6059
COMPLEX ORGANIC AND BIOMARKER ANALYSIS USING TIME OF FLIGHT MASS SPECTROMETRY
05/09/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: J WAITE
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12176 UNIV OF MICHIGAN - ANN ARBOR 6060
TEMPORAL AND SPATIAL DEVELOPMENT OF THE RING CURRE NT: MODEL IMPROVE- MENTS AND VALIDATION ANALYS
05/13/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: C CLAEUR
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12415 UNIV OF MICHIGAN - ANN ARBOR 6061
COMETARY HYDROGEN OBSERVATIONS WITH SOHO SWAN
07/25/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: M R COMBI
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12442 UNIV OF MICHIGAN - ANN ARBOR 6062
MGS RADIO SCIENCE ELECTRON DENSITY PROFILES AND IM PLICTIONS FOR THE NEUTRAL ATMOSPHERE
08/07/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: S W BOUGHER
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12567 UNIV OF MICHIGAN - ANN ARBOR 6063
IMPROVED MARS UPPER ATMOSPHERE CLIMATOLOGY
09/25/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: S BOUGHER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 8 1725 UNIV OF MICHIGAN - ANN ARBOR 6064
FIELD-REVERSED END PLUGING FOR THE GASDYNAMIC MIRROR MA-CHINE
07/26/2000 - 06/30/2001 FY02: $0 Total: $20,000
Prin. Invest.: T KAMMASH
Tech. Officer: MSFC/W F EMRICH
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1154 UNIV OF MICHIGAN - ANN ARBOR 6065
IMPACT OF MICROGRAVITY ON DRUG AND NUTRIENT ABOSORPTION
02/03/2000 - 01/31/2003 FY02: $0 Total: $352,052
Prin. Invest.: G L AMIDON
Tech. Officer: JSC/C LLOYD
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NAG 9 1167 UNIV OF MICHIGAN - ANN ARBOR 6066
DEVELOP ADVANCED MILLIMETERWAVE INTERFERAOMETER FO R PLASMA DIAGNOSTICS
09/22/1999 - 06/30/2002 FY02: $0 Total: $44,000
Prin. Invest.: B E GILCHRIST
Tech. Officer: JSC/F R CHANG-DIAZ
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1251 UNIV OF MICHIGAN - ANN ARBOR 6067
OPTICAL SEARCHES FOR GEOSYNCHRONOUS ORBITAL DEBRIS
08/01/2000 - 07/31/2002 FY02: $0 Total: $106,787
Prin. Invest.: P O SEITZER
Tech. Officer: JSC/E G STANSBERY
CASE Category: 11 – ASTRONOMY

NAG 9 1373 UNIV OF MICHIGAN - ANN ARBOR 6068
AN OPTICAL SURVEY FOR SPACE DEBRIS IN GEOSYNCHRONUS
08/15/2001 - 09/30/2002 FY02: $0 Total: $229,381
Prin. Invest.: P O SIETZER
Tech. Officer: JSC/E G STANSBERY
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99024 UNIV OF MICHIGAN - ANN ARBOR 6069
FOREST STRUCTURE FROM MULTI-SPECTRAL FUSION″ SAME
08/25/1999 - 08/18/2003 FY02: $0 Total: $430,010
Prin. Invest.: M DOBSON
Tech. Officer: SSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 2 02069 UNIV OF MICHIGAN - ANN ARBOR 6070
BIOSENSORS FOR REAL TIME MONOTORING OF RADIATION I NCUCED BIOLOGIC
03/28/2002 - 03/27/2005 FY02: $0 Total: $0
Prin. Invest.: J R BAKER
Tech. Officer: ARC/J W HINES, ARC/P P FUNG
CASE Category: 56 – MEDICL

NAS 5 99174 UNIV OF MICHIGAN - ANN ARBOR 6071
PROVIDE SUPPORT, DESIGN, DEVELOPMENT OF THE NGIMS EXPERIMENT FOR THE COMET NUCLEUS TOUR (CONTOUR)
04/02/1999 - 08/25/2002 FY02: $0 Total: $1,904,362
Prin. Invest.: G ARIGNAN
Tech. Officer: GSFC/J RICHARDS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 8 99127 UNIV OF MICHIGAN - ANN ARBOR 6072
R/S ICARUS SATELLITE FOR PROSEDS
06/23/1999 - 09/30/2002 FY02: $0 Total: $400,213
Prin. Invest.: G E GILCHRIST
Tech. Officer: MSFC/K J WELZYN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAS 8 99128 UNIV OF MICHIGAN - ANN ARBOR 6073
RESEARCH ENTITLED PROCEDS UMPS PHASE D & E
07/30/1999 - 09/30/2002 FY02: $0 Total: $1,040,693
Prin. Invest.: B GILCHRIST
Tech. Officer: MSFC/J L BALATICE, MSFC/L JOHNSON
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 1 01050 UNIV OF MICHIGAN - ANN ARBOR 6074
RESPONSE OF STRONGLY ANISOTROPIC LAMINATED PANELS UNDER COMBINED LOADS
05/08/2001 - 08/31/2002 FY02: $0 Total: $50,148
Prin. Invest.: A P WAAS
Tech. Officer: LARC/M P NEMETH
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 02045 UNIV OF MICHIGAN - ANN ARBOR 6075
ACTIVE AEROELASTIC INVESTIGATION OF AN ADVANCED AC TIVE TWIST ROTOR SYSTEM
09/05/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: C E CESNIK
Tech. Officer: LARC/M L WILBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 856 UNIV OF MICHIGAN - ANN ARBOR 6076
EFFECTS OF MICROGRAVITY ON DEVELOPMENT OF THIGH MU SCLES
05/25/1994 - 12/31/2001 FY02: $0 Total: $384,998
Prin. Invest.: K I CLARK, K F BARALD
Tech. Officer: ARC/D A REISS-BUBENHEIM, ARC/C M WINGET
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5442 UNIV OF MICHIGAN - ANN ARBOR 6077
THE EVOLUTION AND DISPERSAL OF PROTOSTELLAR DISKS
07/11/2001 - 06/30/2003 FY02: $0 Total: $14,833
Prin. Invest.: F C ADAMS
Tech. Officer: ARC/D J HOLLENBACH, ARC/K R BELL
CASE Category: 11 – ASTRONOMY

NCC 3 474 UNIV OF MICHIGAN - ANN ARBOR 6078
INVESTIGATION OF DRO0P FORMATION BY VORTEX RING IN MICROGRAVITY
05/20/1996 - 12/31/2000 FY02: $0 Total: $299,337
Prin. Invest.: L P BERNAL
Tech. Officer: GRC/J B MCGUILLEN
CASE Category: 46 – MECHANICAL ENGR

NCC 3 482 UNIV OF MICHIGAN - ANN ARBOR 6079
RADIANT EXTINCITION OF GASOUS DIFFUSION FLAMES
06/15/1996 - 12/14/2002 FY02: $0 Total: $359,000
Prin. Invest.: A ATREYA
Tech. Officer: GRC/K SACKSTEADER
CASE Category: 13 – PHYSICS

NCC 3 656 UNIV OF MICHIGAN - ANN ARBOR 6080
FLAME VORTEX INTERACTIONS IN MICROGRAVITY TO ASSES S THE THEORY OF FLAME STRETCH
01/12/1999 - 12/03/2002 FY02: $0 Total: $350,050
Prin. Invest.: J F DRISCOLL
Tech. Officer: GRC/J E BROOKER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 661 UNIV OF MICHIGAN - ANN ARBOR 6081
FLOW/SOOT-FORMATION IN NONBOUYANT LAMINAR DIFFUSIO N FLAMES
01/21/1999 - 12/29/2002 FY02: $0 Total: $257,365
Prin. Invest.: G M FAETH
Tech. Officer: GRC/K SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 663 UNIV OF MICHIGAN - ANN ARBOR 6082
TURBULENT FLAME PROCESSES VIA VORTEX-RING DIFFUSIO N FLAME INTERACTION
01/15/1999 - 12/30/2002 FY02: $0 Total: $237,819
Prin. Invest.: W DAHM
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 723 UNIV OF MICHIGAN - ANN ARBOR 6083
GAS SEPARATION & PRESSURIZATION FOR EXTRATERRESTRI AL EXPLORATION
07/07/1999 - 12/31/2001 FY02: $0 Total: $40,000
Prin. Invest.: M KAVIANY
Tech. Officer: GRC/E S NELSON
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 790 UNIV OF MICHIGAN - ANN ARBOR 6084
SYSTEM ON A CHIP: ACTIVE COMPONENTS OF THE RF FRO NT END
04/04/2000 - 02/28/2003 FY02: $0 Total: $299,380
Prin. Invest.: L P KATEHI
Tech. Officer: GRC/G E PONCHAK
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 837 UNIV OF MICHIGAN - ANN ARBOR 6085
LOW COST, LOW POWER COMPONENTS FOR TRANSMIT/RECEIV E PHASE ARRAY ANTENNAS
12/20/2000 - 12/31/2001 FY02: $0 Total: $226,564
Prin. Invest.: L P KATEHI
Tech. Officer: GRC/G E PONCHAK
CASE Category: 45 – ELECTRICAL ENGR

NCC 5 296 UNIV OF MICHIGAN - ANN ARBOR 6086
RADAR REMOTE SENSING OF LAND-COVER AND BIOMASS IN THE AMAZON
06/16/1998 - 12/31/2002 FY02: $0 Total: $657,456
Prin. Invest.: M C DOBSON
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 383 UNIV OF MICHIGAN - ANN ARBOR 6087
COLLABORATIVE EDUCATION AND PUBLIC OUTREACH ACTIVI TIES BY WINDOWS TO THEUNIVERSE PROJECT IN SUPPORT
02/24/1999 - 02/28/2001 FY02: $0 Total: $50,000
Prin. Invest.: L FISK
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NCC 5 614 UNIV OF MICHIGAN - ANN ARBOR 6088
HIGH-PERFORMANCE ADAPTIVE SIMULATION FRAMEWORK FOR SPACE-WEATHER MODELING (SWMF)
03/04/2002 - 03/03/2005 FY02: $0 Total: $0
Prin. Invest.: T GOMBOSI
Tech. Officer: GSFC/J FISCHER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 5 632 UNIV OF MICHIGAN - ANN ARBOR 6089
A HIGH-PERFORMANCE SOFTWARE FRAMEWORK & INTEROPERA BLE APPLICATIONS FOR THE RAPID ADVANCEMENT OF EA
02/27/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: Q F STOUT
Tech. Officer: GSFC/A DA SILVA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 8 181 UNIV OF MICHIGAN - ANN ARBOR 6090
GLOBAL SIMULATIONS OF CORE PLASMA DENSITIES, COMPOSITION AND TEMPERATURE. NASA NRA98-OSS-03.
06/07/1999 - 06/06/2002 FY02: $0 Total: $80,401
Prin. Invest.: M LIEMOHN
Tech. Officer: MSFC/D GALLAGHER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NGT 2 52257 UNIV OF MICHIGAN - ANN ARBOR 6091
SEARCHING EXTRASOLAR PLANETS USING DIFFERENTIAL PH OTOMETRY
07/23/1999 - 07/14/2002 FY02: $0 Total: $66,000
Prin. Invest.: F C ADAMS
Tech. Officer: ARC/J J LISSAUER
CASE Category: 11 – ASTRONOMY

NGT 2 52269 UNIV OF MICHIGAN - ANN ARBOR 6092
SIMULTANEOUS VIBRATION & BVI NOISE REDUCTION IN RO TORCRAFT USING ACTIVIELY CONTROLLED TRAILING-EDGE
08/11/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: P P FRIEDMAN
Tech. Officer: ARC/W WARMBRODT
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 3 52348 UNIV OF MICHIGAN - ANN ARBOR 6093
GRADUATE STUDENT RESEARCHERS PROGRAM GRADUATE STUDENT RESEARCHERS PROGRAM
06/15/1999 - 08/31/2002 FY02: $0 Total: $53,200
Prin. Invest.: A GALLIMORE
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 3 52349 UNIV OF MICHIGAN - ANN ARBOR 6094
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RESEARCH PROGRAM
06/23/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: A D GALLIMORE
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 3 52365 UNIV OF MICHIGAN - ANN ARBOR 6095
GRADUATE STUDENT PROGRAM GRADUATE STUDENT PROGRAM
06/14/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: A ATREYA
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 43 – CHEMICAL ENGR

NGT 3 52372 UNIV OF MICHIGAN - ANN ARBOR 6096
GRADUATE STUDENT RESEARCHER'S PROGRAM GRADUATE STUDENT RESEARCHER'S PROGRAM
04/09/2001 - 06/24/2003 FY02: $0 Total: $22,000
Prin. Invest.: D PAVLIDIS
Tech. Officer: GRC/D MONTEGANI
CASE Category: 45 – ELECTRICAL ENGR

NGT 3 52377 UNIV OF MICHIGAN - ANN ARBOR 6097
GRADUATE STUDENT RESEARCH
06/07/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: W J DAHM
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 4 52421 UNIV OF MICHIGAN - ANN ARBOR 6098
MULTIVARIABLE NONLINEAR IDENTIFICATION MULTIVARIABLE NONLINEAR IDENTIFICATION
05/11/2000 - 06/30/2002 FY02: $0 Total: $44,000
Prin. Invest.: D S BERNSTEIN
Tech. Officer: DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 4 52426 UNIV OF MICHIGAN - ANN ARBOR 6099
GRADUATE RESEARCH - AEROELASTICITY AND AEROELASTIC SCALING OF HYPERSONIC VEHICLES
07/17/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: P FRIEDMAN
Tech. Officer: DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 124 UNIV OF MICHIGAN - ANN ARBOR 6100
DEVELOPMENT AND TESTING OF THE FAST IMAGING PLASMA SPECTROMETER (STUDENT: PATRICK KOEHN)
06/07/2001 - 08/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: L A FISK
Tech. Officer: GSFC/M S BURRELL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 5 135 UNIV OF MICHIGAN - ANN ARBOR 6101
PROMPT OPTICAL OBSERVATIONS OF GAMMA-RAY BURSTS WI TH ROTSE-III. (STUDENT: ELI RYKOFF)
06/17/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: C W AKERLOF
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 30172 UNIV OF MICHIGAN - ANN ARBOR 6102
THE USE OF REMOTE SENSING METHODS FOR STUDYING FIR E-INDUCED LAND COVER CHANGES IN BOREAL FORESTS O
09/04/1998 - 05/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: C OLSON, FRENCH
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30359 UNIV OF MICHIGAN - ANN ARBOR 6103
COMPUTATIONAL METHODS FOR ADVANCED CLIMATE MODEL PREDICTIONS: A STUDY OF ADOPTIVE GRID TECHNIQUES
08/23/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J PENNER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30432 UNIV OF MICHIGAN - ANN ARBOR 6104
QUANTIFICATION OF FOREST STRUCTURE IN SUPPORT OF T ERRESTRIAL CARBON AND ECOSYSTEM (STUDENT: WAYNE
08/15/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C DOBSON
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40062 UNIV OF MICHIGAN - ANN ARBOR 6105
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
03/15/1997 - 01/31/2001 FY02: $0 Total: $1,805,000
Prin. Invest.: R M JOHNSON
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40118 UNIV OF MICHIGAN - ANN ARBOR 6106
MICHIGAN SPACE GRANT COLL AND FELLOWSHIP PROGRA M
03/15/2001 - 01/31/2005 FY02: $0 Total: $475,000
Prin. Invest.: A D GALLIMORE
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50255 UNIV OF MICHIGAN - ANN ARBOR 6107
A HYBRID KINETIC FLUID MODEL FOR THE ATMOSPHERE OF PLUTO STUDENT: AYLSHA REINARD
06/21/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: L FISK
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50349 UNIV OF MICHIGAN - ANN ARBOR 6108
DEVELOPMENT OF A NEW SOLID STATE DETECTOR FOR THE STUDY OF SOLAR WIND COMPOSITION/STUDENT: SUSAN LEP
05/08/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: L FISK
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50412 UNIV OF MICHIGAN - ANN ARBOR 6109
PLUME STUDIES OF FEEP THRUSTER SYSTEMS - STUDENT N AME: ANTON VANDERWYST
08/07/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: I D BOYD
Tech. Officer: GSFC/K B LANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52864 UNIV OF MICHIGAN - ANN ARBOR 6110
IDENTIFICATION OF LONG TERM CHANGE IN SOCIETY AND SETTLEMENT OF THE KHABUR DRAINAGE
07/28/1998 - 12/01/2003 FY02: $0 Total: $64,000
Prin. Invest.: H T WRIGHT
Tech. Officer: MSFC/J F DOWDY
CASE Category: 79 – SOCIAL SCIENCE, OTHER

NGT 8 52888 UNIV OF MICHIGAN - ANN ARBOR 6111
NUCLEAR THERMAL PROPULSION FOR SPACE EXPLORATION
05/18/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: T KAMMASH
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 49 – ENGINEERING, OTHER

NGT 8 52889 UNIV OF MICHIGAN - ANN ARBOR 6112
DEVELOPMENT OF FIELD EMITTER ARRY OF ELETRODYNAMIC TETHER
05/04/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: B GILCHRIST
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 45 – ELECTRICAL ENGR

NGT 8 52900 UNIV OF MICHIGAN - ANN ARBOR 6113
DEV OF COMPUTER MODELS FOR NUCLEAR-BASED MAGNETHOH YDRO-DYNAMIC POWER CYCLES
05/25/2001 - 06/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: I BOYD
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 8 52917 UNIV OF MICHIGAN - ANN ARBOR 6114
DEV THE ELECTRODYNAMIC TETHER PROPULSION CONCEPT BEYOND THE PROSEDS MISSION
04/22/2002 - 07/01/2005 FY02: $0 Total: $0
Prin. Invest.: B GILCHRIST
Tech. Officer: MSFC/S NASH-STEVESON
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 02105 WAYNE STATE UNIV 6115
FROM ATOMS TO SPACE - WSU PROPOSAL DATED 6/11/02
07/16/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: G W AUNER
Tech. Officer: LARC/R R ANTCLIFF, LARC/T R SUTTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1279 WAYNE STATE UNIV 6116
DEVELOPMENT OF STRATEGIES & TOOLS FOR ANALYSIS & C ONTROL OF LARGE AIR TRAFFIC MANAGEMENT SYSTEMS
01/05/1999 - 12/31/2001 FY02: $0 Total: $90,000
Prin. Invest.: F LIN
Tech. Officer: ARC/G MEYER
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1503 WAYNE STATE UNIV 6117
EFFECTS OF MICROGRAVITY ON PREIMPLANTATION MOUSE D EVELOP-MENT
07/12/2001 - 07/14/2003 FY02: $0 Total: $89,600
Prin. Invest.: D A RAPPOLEE
Tech. Officer: ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1532 WAYNE STATE UNIV 6118
MULTI AGENT HYBRID CONTROL APPROACH TO AIR TRAFFIC CONTROL
01/31/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: F LIN
Tech. Officer: ARC/G MEYER
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2180 WAYNE STATE UNIV 6119
CHARACTERIZATION OF MULTI-JUNCTION SOLAR CELLS CHARACTERIZA-TION OF MULTI-JUNCTION SOLAR CELLS
07/18/1998 - 01/04/2002 FY02: $0 Total: $225,000
Prin. Invest.: P WOODYARD
Tech. Officer: GRC/D BRINKER
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2313 WAYNE STATE UNIV 6120
A DESIGN AND ANALYSIS TOOL FOR PULSE DETONATION EN GINES
12/29/1999 - 02/04/2003 FY02: $0 Total: $237,384
Prin. Invest.: S YU
Tech. Officer: GRC/P C JORGENSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2542 WAYNE STATE UNIV 6121
DIRECT CALCULATIONS OF PLUME DYNAMICS AND ACOUSTIC S OF A PULSE DETONATION ENGINE BY THE SPACE-TIME
02/12/2001 - 02/04/2002 FY02: $0 Total: $46,999
Prin. Invest.: S YU
Tech. Officer: GRC/P C JORGENSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2801 WAYNE STATE UNIV 6122
CHARACTERIZATION OF MULTIJUNCTION SOLAR CELLS IN T HE STRATO-SPHERE
08/13/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: J R WOODYARD
Tech. Officer: GRC/D B SNYDER
CASE Category: 45 – ELECTRICAL ENGR

NAG 9 1183 WAYNE STATE UNIV 6123
DEVELOPMENT OF HUMAN FACTORS ANALYSIS OF ADVANCED 3D VISULI-ZATION FOR TELEPRESENCE
01/15/2000 - 01/14/2003 FY02: $0 Total: $248,723
Prin. Invest.: L ZAMORANO
Tech. Officer: JSC/B WOOLFORD
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1432 WAYNE STATE UNIV 6124
ADVANCED DIAGNOSTIC ULTRASOUND IN MICROGRAVITY
06/20/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: S A DULCHAVSKY
Tech. Officer: JSC/C GUIDRY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 1189 WAYNE STATE UNIV 6125
FROM BIOLOGICA INFORMATION PROCESSING TO ADAPTABLE ROBOTRY: PRINCIPLES, MODELS & BIOMIMETIC DESIGN
07/14/2000 - 07/14/2003 FY02: $0 Total: $150,000
Prin. Invest.: K PETER ZAUNER
Tech. Officer: ARC/S P COLOMBAN0, ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 1318 **WAYNE STATE UNIV** **6126**
HUMAN FACTORS IN INTER ORGANIZATION PROCESSES
03/07/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: A BATTEAU
Tech. Officer: ARC/B KANKI, ARC/M CONNORS
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 3 960 **WAYNE STATE UNIV** **6127**
SIMULATION OF PLUME DYNAMICS OF A PULSE DETONATION ENGINE BY THE SPACE-TIME CE/SE/ METHOD
05/01/2002 - 04/24/2003 FY02: $0 Total: $0
Prin. Invest.: S YU
Tech. Officer: GRC/P JORGENSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01023 **WESTERN MICHIGAN UNIV** **6128**
DSMC SIMULATIONS OF LAMINAR FLOW BREAKDOWN ON SPACE TRANSPORT SYSTEMS
04/02/2001 - 02/28/2004 FY02: $0 Total: $50,000
Prin. Invest.: W W LIOU
Tech. Officer: LARC/J N MOSS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2529 **WESTERN MICHIGAN UNIV** **6129**
A UNIFIED LES/RANS APPROACH USING THE CE/SE METHOD
01/22/2001 - 01/17/2002 FY02: $0 Total: $61,000
Prin. Invest.: W W LIOU
Tech. Officer: GRC/S CHANG
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10448 **WESTERN MICHIGAN UNIV** **6130**
IMPROVED SIMULATIONS OF ASTROPHYSICAL PLASMAS: COMPUTATION OF NEW ATOMIC DATA
02/20/2001 - 02/28/2004 FY02: $0 Total: $70,000
Prin. Invest.: T GORCZYCA
Tech. Officer: GSFC/P CRANE
CASE Category: 13 – PHYSICS

NCC 2 1246 **WESTERN MICHIGAN UNIV** **6131**
FRACTAL & GEOSTATISTICAL METADATA FOR MONITORING G LOBAL CHANGE USING REMOTE SENSING IMAGERY
04/17/2001 - 05/31/2003 FY02: $0 Total: $70,000
Prin. Invest.: C W EMERSON
Tech. Officer: ARC/J L DUNGAN, ARC/J C COUGHLIN
CASE Category: 22 – COMPUTER SCIENCE

MINNESOTA

NAG 1 02012 **BETHEL COLL** **6132**
ANALYSIS OF THE ADVANTAGES & LIMITATIONS OF A STATIONARY IMAGING FOURIER TRANSFORM SPECTROMETER
12/05/2001 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: B P BEECKEN
Tech. Officer: LARC/M G MLYNCZAK
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8626 **CONCORDIA COLL IN MOORHEAD** **6133**
MARS SOLAR BALLOON GAS CHROMATOGRAPH MASS SPECTROM ETER
06/24/1999 - 06/30/2001 FY02: $0 Total: $5,000
Prin. Invest.: H L MANNING
Tech. Officer: GSFC/P R MAHAFFY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7366 **MOORHEAD STATE UNIV** **6134**
ELECTROCHEMICAL STUDY OF SILICATE MELT STRUCTURE A ND COMPONENT ACTIVITIES
05/15/1998 - 05/31/2002 FY02: $0 Total: $67,800
Prin. Invest.: R O COLSON
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11287 **SAINT CLOUD STATE UNIV** **6135**
SEARCH FOR CHEMICAL DIVERSITY IN COMETRAY VOLATILE S
08/20/2001 - 08/31/2004 FY02: $0 Total: $16,400
Prin. Invest.: M WOMACK
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2242 **UNIV OF MINNESOTA** **6136**
STRUCTURING FORMAL RQMTS SPECIFICATIONS FOR REUSE AND PRODUCT FAMILIES -- NRA 98-LARC-8
09/28/1999 - 06/30/2001 FY02: $0 Total: $62,055
Prin. Invest.: M E HEMDAHL
Tech. Officer: LARC/R W BUTLER
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 01090 **UNIV OF MINNESOTA** **6137**
FURTHER DEVELOPMENT & DEPLOYMENT OF NANOMETER AEROSOL SIZE ANALYZER (NASA) TO SUPPORT EXCAVATE
06/15/2001 - 07/12/2002 FY02: $0 Total: $50,000
Prin. Invest.: D Y PUI, D R CHEN
Tech. Officer: LARC/W R COFER, LARC/B E ANDERSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1428 **UNIV OF MINNESOTA** **6138**
REAL-TIME MOTION PATH PLANNING FOR AUTONOMOUS ROTO RCRAFT
08/04/2000 - 08/31/2003 FY02: $0 Total: $145,373
Prin. Invest.: Y J ZHAO
Tech. Officer: ARC/M S WHALLEY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1470 **UNIV OF MINNESOTA** **6139**
COMPREHENSIVE COMPUTER SIMULATION OF AIR TRAFFIC S YSTEM
04/09/2001 - 03/31/2003 FY02: $0 Total: $59,297
Prin. Invest.: Y J ZHAO
Tech. Officer: ARC/J E ROBINSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1474 **UNIV OF MINNESOTA** **6140**
ATOMIC FORCE MICROSCOPY OF THERMAL INSULATION MATE RIALS WITH AEROGELS
04/13/2001 - 06/30/2002 FY02: $0 Total: $13,646
Prin. Invest.: J MAPS
Tech. Officer: ARC/L J SALERNO, ARC/S M JOHNSON
CASE Category: 13 – PHYSICS

NAG 3 2435 **UNIV OF MINNESOTA** **6141**
FEASIBILITY STUDY OF A MICROSCALE PARTICULATE CLAS SIFIER (MIPAC)
05/31/2000 - 09/30/2002 FY02: $0 Total: $75,000
Prin. Invest.: D H PUI
Tech. Officer: GRC/P S GREENBERG
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2468 UNIV OF MINNESOTA 6142
DEVELOPMENT OF A LOW-COST, SOFTWARE RECONFIGURABLE LABORATORY FOR FIRST COURSE ON ELECTRIC DRIVES A
06/26/2000 - 08/31/2003 FY02: $0 Total: $10,000
Prin. Invest.: P MOHAN
Tech. Officer: GRC/B H KENNY
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2600 UNIV OF MINNESOTA 6143
NEW POLYMER ELECTROLYTE SYSTEMS
05/01/2001 - 05/31/2004 FY02: $0 Total: $125,000
Prin. Invest.: W H SMYRL
Tech. Officer: GRC/N H HAGEDORN
CASE Category: 12 – CHEMISTRY

NAG 5 3735 UNIV OF MINNESOTA 6144
STUDY FOR AN AURORAL MULTI-PROBE SATELLITE MISSION
03/03/1997 - 02/28/2002 FY02: $0 Total: $200,000
Prin. Invest.: D A CATTELL
Tech. Officer: GSFC/R HOWARD
CASE Category: 13 – PHYSICS

NAG 5 5172 UNIV OF MINNESOTA 6145
A VERY HIGH TIME RESOLUTION ROCKET INVESTIGATION OF IONOSPHERIC PLASMA PHYSICS ASSOCIATED WITH ATMO
03/30/1998 - 03/31/2002 FY02: $0 Total: $557,127
Prin. Invest.: J R WYGANT
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5182 UNIV OF MINNESOTA 6146
TIME DEPENDENT SIMULATION OF NONLINEAR COSMIC-RAY ACCELERATION IN SHOCKS: A POWERFUL NEW APPROACH
03/26/1998 - 08/31/2001 FY02: $0 Total: $132,290
Prin. Invest.: T W JONES
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5214 UNIV OF MINNESOTA 6147
PHASE A GRANT STUDY FOR IMEX PROJECT P I - PROF J WYGANT
10/08/1998 - 10/31/2003 FY02: $0 Total: $557,085
Prin. Invest.: J WYGANT
Tech. Officer: GSFC/D PIERCE
CASE Category: 13 – PHYSICS

NAG 5 6191 UNIV OF MINNESOTA 6148
TITLE: MORPHOLOGICAL ANALYSIS OF BRAIDED RIVERS U
08/13/1997 - 05/31/2001 FY02: $0 Total: $84,254
Prin. Invest.: E FOUFOULA-GEORGI
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7094 UNIV OF MINNESOTA 6149
RARE GAS AND NITROGEN STUDIES ON LUNAR, METEORITIC , AND SELECTED TERRESTRIAL MATERIALS
05/20/1998 - 03/14/2002 FY02: $0 Total: $652,000
Prin. Invest.: R O PEPIN
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7462 UNIV OF MINNESOTA 6150
SOLAR WIND COUPLING TO THE MAGNETOSPHERE: ANALYSIS OF MULTI-SPACECRAFT OBSERVATIONS IN SOLAR WIND
11/12/1998 - 12/31/2001 FY02: $0 Total: $260,721
Prin. Invest.: N LIN
Tech. Officer: GSFC/M H ACUNA
CASE Category: 11 – ASTRONOMY

NAG 5 7599 UNIV OF MINNESOTA 6151
REGIONAL HYDROLOGIC SIMULATION MODEL TO STUDY AQUI FER-ATMOSPHERE INTER- ACTIONS ON INTERANNUAL-DECA
07/21/1998 - 06/30/2002 FY02: $0 Total: $250,000
Prin. Invest.: M PERSON
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7715 UNIV OF MINNESOTA 6152
SPATIO-TEMPORAL ORGANIZATION AND SPACE-TIME DOWNSC ALING OF TROPICAL RAINFALL
10/27/1998 - 10/31/2002 FY02: $0 Total: $227,819
Prin. Invest.: E FOUFOULA-GEORGI
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7906 UNIV OF MINNESOTA 6153
INFRARED IMAGING PHOTOMETRY AND POLARIMETRY OF COM ETS
12/10/1998 - 09/30/2002 FY02: $0 Total: $220,944
Prin. Invest.: D J JONES
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7917 UNIV OF MINNESOTA 6154
BIG FOOT--CHARACTERIZING LAND COVER, LAI AND NPP A T THE LANDSCAPE SCALE FOR EOS/MODIS VALIDATION
12/09/1998 - 12/31/2002 FY02: $0 Total: $229,481
Prin. Invest.: P B REICH
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8073 UNIV OF MINNESOTA 6155
GEOTAIL OBSERVATIONS OF EXB FLOWS AND ASSOCIATED L OW FREQUENCY WAVES IN THE MAGNETOTAIL AND THEIR D
01/21/1999 - 01/31/2001 FY02: $0 Total: $84,000
Prin. Invest.: C A CATTELL
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 8082 UNIV OF MINNESOTA 6156
THEORETICAL STUDY OF ULF WAVES IN THE MAGNETOTAIL
01/22/1999 - 04/30/2002 FY02: $0 Total: $285,981
Prin. Invest.: D L LYSAK
Tech. Officer: GSFC/J SHARBER
CASE Category: 11 – ASTRONOMY

NAG 5 8205 UNIV OF MINNESOTA 6157
STUDY OF SUBSTORM ASSOCIATED ULF AND VLF WAVES IN THE MAGNETOTAIL USING SPACECRAFT DATA
02/08/1999 - 02/14/2003 FY02: $0 Total: $167,693
Prin. Invest.: D LIN
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 8869 UNIV OF MINNESOTA 6158
LABORATORY STUDIES OF THE KINETICS OF ATMOSPHERIC REACTIONS OF HALOGENATED ALKOXY RADICALS
01/10/2000 - 12/31/2002 FY02: $0 Total: $224,975
Prin. Invest.: R W CARR
Tech. Officer: GSFC/M KURYLO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9146 UNIV OF MINNESOTA 6159
PHASE-A AND BRIDGE PHASE STUDY OF STEREO/WAVES ACCOMMODATION
03/09/2000 - 12/31/2002 FY02: $0 Total: $582,150
Prin. Invest.: K GOETZ
Tech. Officer: GSFC/M KAISER
CASE Category: 11 – ASTRONOMY

NAG 5 9221 UNIV OF MINNESOTA 6160
QUASARS AS PROBES (LTSA 99)
03/14/2000 - 05/31/2005 FY02: $9,000 Total: $225,561
Prin. Invest.: E SKILLMAN
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9254 UNIV OF MINNESOTA 6161
THEORECTICAL STUDIES OF ALFVEN WAVE INTERACTION WITH THE IONOSPHERE
03/13/2000 - 04/30/2003 FY02: $0 Total: $152,132
Prin. Invest.: R LYSAK
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9312 UNIV OF MINNESOTA 6162
MAPPING & MODELING FOREST CHANGE IN A BOREAL LAND SCAPE
03/20/2000 - 04/30/2003 FY02: $0 Total: $199,934
Prin. Invest.: J PASTOR
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9349 UNIV OF MINNESOTA 6163
BALLOON BORNE OBSERVATIONS OF THE POLARIZATION ANI SOTROPY OF THE COSMIC MICROWAVE BACKGROUND RADIAT
03/28/2000 - 03/31/2003 FY02: $0 Total: $284,000
Prin. Invest.: S HANANY
Tech. Officer: GSFC/J FROGEL
CASE Category: 11 – ASTRONOMY

NAG 5 9407 UNIV OF MINNESOTA 6164
ENHANCING & ARCHIVING THE APS CATALOG OF THE POSS I
04/10/2000 - 04/30/2003 FY02: $0 Total: $233,400
Prin. Invest.: R HUMPHREYS
Tech. Officer: GSFC/P HUNTER
CASE Category: 11 – ASTRONOMY

NAG 5 10178 UNIV OF MINNESOTA 6165
CONTINUED ANALYSIS OF ISTP WIND/WAVES DATA
01/18/2001 - 02/29/2004 FY02: $0 Total: $151,619
Prin. Invest.: K GOETZ
Tech. Officer: GSFC/M L KAISER
CASE Category: 11 – ASTRONOMY

NAG 5 10274 UNIV OF MINNESOTA 6166
DATA ANALYSIS OF THE UNIV. MINNESOTA PORTION OF THE URAP EXPERIMENT ON THE ULYSSES SPACECRAFT
01/16/2001 - 12/31/2003 FY02: $0 Total: $90,024
Prin. Invest.: P J KELLOGG
Tech. Officer: GSFC/R J MACDOWALL
CASE Category: 13 – PHYSICS

NAG 5 10509 UNIV OF MINNESOTA 6167
RHEOLOGY OF PLANETARY MATERIALS: IMPLICATIONS FOR TECTONICS OF TERRESTRIAL PLANETS
03/01/2001 - 03/31/2004 FY02: $0 Total: $84,900
Prin. Invest.: D L KOHLSTEDT
Tech. Officer: GSFC/D SENKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10569 UNIV OF MINNESOTA 6168
SPATIAL VARIABILITY IN LAND-ATMOSPHERE INTERACTION COUPLING A NEW GENERATION LARGE-EDDY SIMULATION
03/12/2001 - 03/14/2004 FY02: $0 Total: $94,385
Prin. Invest.: F PORTE-AGEL
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10774 UNIV OF MINNESOTA 6169
SELF-CONSISTENT EVOLUTION OF COSMIC-RAY SHOCKS (ATP 2000)
04/24/2001 - 04/30/2004 FY02: $0 Total: $61,343
Prin. Invest.: T W JONES
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11124 UNIV OF MINNESOTA 6170
DETERMINING THE IMPORTANCE OF ENERGY TRANSFER BETWEEN MAGNETOSPHERIC REGIONS VIA MHD WAVES USING
07/19/2001 - 07/14/2004 FY02: $0 Total: $185,000
Prin. Invest.: C A CATTELL
Tech. Officer: GSFC/J SPANN
CASE Category: 11 – ASTRONOMY

NAG 5 11130 UNIV OF MINNESOTA 6171
LAND USE, CARBON AND WATER IN THE UPLANDS OF SOUTH EASTER NORTH AMERICA
08/02/2001 - 07/14/2004 FY02: $0 Total: $79,866
Prin. Invest.: P BOLSTAD
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11262 UNIV OF MINNESOTA 6172
DEVELOPMENT OF ENVIRONMENTAL INDICATORS FOR THE US GREAT LAKES USING REMOTE SENSING TECHNOLOGY
08/27/2001 - 08/31/2005 FY02: $0 Total: $75,000
Prin. Invest.: G NIEMI
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11325 UNIV OF MINNESOTA 6173
STEREO/WAVES PHASE-C INSTRUMENT DESIGN STUDY
11/28/2001 - 01/01/2002 FY02: $0 Total: $0
Prin. Invest.: K GOETZ
Tech. Officer: GSFC/ML KAISER
CASE Category: 11 – ASTRONOMY

NAG 5 11723 UNIV OF MINNESOTA 6174
EVOLUTIONARY HISTORIES OF NOBLE GASES AND OTHER VOLATILES IN SOLAR-SYSTEM MATERIALS
02/11/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: R O PEPIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11801 UNIV OF MINNESOTA 6175
"PARAMETERIZATION OF REGIONAL SCALE FLUXES: INTEGR ATING FIELD AND LABORATORY MEASUREMENTS WITH LARG
03/07/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: F FORTE-AGEL
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11856 UNIV OF MINNESOTA 6176
STUDY OF WAVE MODE CONVERSION AT THE MAGNETOPAUSE USING SPACECRAFT AND GROUND DATA
03/08/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: N LIN
Tech. Officer: GSFC/J SHARBER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11868 UNIV OF MINNESOTA 6177
1HEORETICAL STUDIES OF ULF WAVES IN THE MAGNETOTAI L
03/18/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: R L LYSAK
Tech. Officer: GSFC/J SHARBER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11971 UNIV OF MINNESOTA 6178
A SPECTRUM OF IV&V MODELING TECHNIQUES
04/05/2002 - 11/14/2004 FY02: $0 Total: $0
Prin. Invest.: M HEIMDAHL
Tech. Officer: GSFC/K MCGILL
CASE Category: 22 – COMPUTER SCIENCE

NAG 8 1258 UNIV OF MINNESOTA 6179
ATOMISTIC SIMULATIONS OF CADMIUM TELLURIDE
04/15/1996 - 04/14/2002 FY02: $0 Total: $352,000
Prin. Invest.: J DERBY
Tech. Officer: MSFC/P DOTY, MSFC/D NOEVER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1349 UNIV OF MINNESOTA 6180
SELF-ASSEMBLY OF HEPATOCYTE SPHEROIDS IN MICRO- GRAVITY
06/19/1997 - 11/30/2001 FY02: $0 Total: $497,933
Prin. Invest.: W S HU, L HANSEN, R KEMMEL
Tech. Officer: MSFC/B GUYNES, MSFC/J MAYO
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1474 UNIV OF MINNESOTA 6181
THEORETICAL ANALYSIS OF 3D TRANSIENT CONVECTION AND SEGREGATION
02/06/1998 - 01/31/2003 FY02: $0 Total: $487,750
Prin. Invest.: J J DERBY, A J YECKEL
Tech. Officer: MSFC/C TALLEY
CASE Category: 13 – PHYSICS

NAG 8 1519 UNIV OF MINNESOTA 6182
SUBGRID SCALE PRECIPITATION VARIABILITY OVER THE MISSISSIPPI RIVER BASIN
05/01/1998 - 04/30/2002 FY02: $0 Total: $317,495
Prin. Invest.: E FOUFOULA-GEORGIOU
Tech. Officer: MSFC/J ARNOLD
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 8 1676 UNIV OF MINNESOTA 6183
FIRST PRINCIPLES CALCULATIONS OF MOLTEN II-IV COMPOUNDS AND THEIR SOLIDIFICATION BEHAVIOR
05/01/2000 - 11/30/2003 FY02: $0 Total: $149,500
Prin. Invest.: J J DERBY, J R CHELIKOWSKY
Tech. Officer: MSFC/P M DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 1007 UNIV OF MINNESOTA 6184
GENESIS DISCOVERY MISSION
05/06/1998 - 04/30/2003 FY02: $0 Total: $309,322
Prin. Invest.: R O PEPIN
Tech. Officer: JSC/E K STANSBERY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1218 UNIV OF MINNESOTA 6185
LIQUID COOLING GARMENT FOR SPACE SUIT
03/03/2000 - 01/31/2003 FY02: $0 Total: $373,786
Prin. Invest.: V KOSCHEYER
Tech. Officer: JSC/R TREVINO
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1222 UNIV OF MINNESOTA 6186
WORST CASE ANALYSIS OF THE X38 V201 FLIGHT CONTROL SYSTEM
03/24/2000 - 03/24/2001 FY02: $0 Total: $40,918
Prin. Invest.: G J BALAS
Tech. Officer: JSC/S R MUNDY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG13 99002 UNIV OF MINNESOTA 6187
THE UPPER MIDWEST REGIONAL EARTH SCIENCE APPLICATION CENTER
02/03/1999 - 02/02/2003 FY02: $0 Total: $1,500,000
Prin. Invest.: M E BAUER
Tech. Officer: SSC/C HILL
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG13 99022 UNIV OF MINNESOTA 6188
INTEGRATING SATELLITE REMOTE SENSING INTO FOREST INVENTORY AND MANAGEMENT
08/13/1999 - 10/31/2002 FY02: $116,083 Total: $405,000
Prin. Invest.: M BAUER
Tech. Officer: SSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 32994 UNIV OF MINNESOTA 6189
SCIENTIFIC AND TECHNICAL SUPPORT FOR THE UNIFIED RADIO AND PLASMA WAVE INVESTIGATION
02/08/1996 - 12/31/2000 FY02: $0 Total: $571,329
Prin. Invest.: K GOETZ, P J KELLOGG
Tech. Officer: GSFC/R J MACDOWELL
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 1 337 **UNIV OF MINNESOTA** **6190**
APPLICATION OF LINEAR PARAMETER-VARYING TECHNIQUES TO SAFETY-CRITICAL AIRCRAFT FLIGHT SYSTEMS
07/20/1999 - 07/14/2003 FY02: $0 Total: $502,114
Prin. Invest.: G J BALAS
Tech. Officer: LARC/C M BELCASTRO, LARC/N M BELCASTRO
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1231 **UNIV OF MINNESOTA** **6191**
DISCOVERY OF CHANGES FROM THE GLOBAL CARBON CYCLE & CLIMATE SYSTEM USING DATA MINING
03/28/2001 - 02/28/2003 FY02: $0 Total: $94,000
Prin. Invest.: V KUMAR
Tech. Officer: ARC/C S POTTER, ARC/J COUGHLAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1240 **UNIV OF MINNESOTA** **6192**
INTELLIGENT SPECIFICAITON-CENTERED TEST-CASE GENER ATION RE-VIEW IDENTIFIER
04/04/2001 - 02/28/2003 FY02: $0 Total: $108,000
Prin. Invest.: M HEIMDAHL
Tech. Officer: ARC/R MORRIS
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1335 **UNIV OF MINNESOTA** **6193**
TEST CASE GENERATION USING AN EXPLICIT STATE MODEL CHECKER
04/16/2002 - 10/14/2002 FY02: $0 Total: $0
Prin. Invest.: M HEIMDAHL
Tech. Officer: ARC/M LOWRY, ARC/S LAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5393 **UNIV OF MINNESOTA** **6194**
ADVANCED MODELS FOR HIGH ENTHALPY FLOW SIMULATIONS
08/14/2000 - 09/14/2002 FY02: $0 Total: $113,572
Prin. Invest.: G V CANDLER
Tech. Officer: ARC/J OLEJNICZAK
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 652 **UNIV OF MINNESOTA** **6195**
MEASUREMENTS IN A TRANSITIONAL BOUNDARY LAYER UNDE R LOW-PRESSURE TURBINE AIRFOIL CONDITIONS
11/10/1998 - 12/31/2002 FY02: $0 Total: $182,306
Prin. Invest.: T W SIMON
Tech. Officer: GRC/D E ASHPIS
CASE Category: 46 – MECHANICAL ENGR

NCC 3 811 **UNIV OF MINNESOTA** **6196**
ULTRA-COMPACT, SOFT-SWITCHING POWER SUPPLIES WITH HIGH EFFI-CIENCY FOR ELECTRIC PROPULSION
07/13/2000 - 06/14/2003 FY02: $0 Total: $128,342
Prin. Invest.: N MOHAN
Tech. Officer: GRC/R M BUTTON
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 857 **UNIV OF MINNESOTA** **6197**
ULTRA COMPACT SOFT SWITCHING POWER SUPPLIES WITH H IGH EFFICIENCY FOR ELECTRIC PROPULSION
01/26/2001 - 01/14/2003 FY02: $0 Total: $138,000
Prin. Invest.: N MOHAN
Tech. Officer: GRC/T T PETERSON
CASE Category: 45 – ELECTRICAL ENGR

NCC 5 316 **UNIV OF MINNESOTA** **6198**
INSTALIZING MTPE DATA FOR LAND & ENVIRONMENTAL MANAGEMENT
04/11/1998 - 02/28/2003 FY02: $0 Total: $727,000
Prin. Invest.: T BURK
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 102 **UNIV OF MINNESOTA** **6199**
SPECTROSCOPIC VARIABILITY IN ETA CARINAE (STUDENT: NATHAN SMITH)
05/25/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: K DAVIDSON
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 11 – ASTRONOMY

NGT 5 30111 **UNIV OF MINNESOTA** **6200**
THE IMPACTS OF A SALT CEDAR (TAMARIX RAMOSISSIMA) INVASION ON COMMUNITIES, ECOSYSTEM PROCE
08/28/1998 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: S HOBBIE
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30115 **UNIV OF MINNESOTA** **6201**
ECOSYSTEM RESPONSE TO CLIMATIC CHANGE: A COMPARATI VE STUDY OF FOREST-LAKE ECOSYSTEMS ON DIFFERENT S
10/01/1997 - 02/28/2001 FY02: $0 Total: $66,000
Prin. Invest.: M DAVIS
Tech. Officer: GSFC/G ASRAR
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40086 **UNIV OF MINNESOTA** **6202**
MINNESOTA SPACE GRANT COLL & FELLOWSHIP PROGRAM
02/16/2001 - 02/28/2005 FY02: $0 Total: $726,131
Prin. Invest.: W L GARRARD
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50091 **UNIV OF MINNESOTA** **6203**
STUDY OF LONG RANGE QUANTUM COHERENCE IN THE BOSE- LIQUID HELIUM FOUR.
09/05/1997 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: HALLEY
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50250 **UNIV OF MINNESOTA** **6204**
SOUTHERN GALACTIC PLANE SURVEY AT 21 CM STUDENT: NAOMI M. MCCLURE-G
06/08/1999 - 09/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: J DICKEY
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50293 **UNIV OF MINNESOTA** **6205**
A PARTICLE SIMULATION STUDY OF SOLITARY WAVES IN THE MAGNRTOSPHERE/STUDENT: JAMES CRUMLEY
06/26/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: R LYSAK
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50312 UNIV OF MINNESOTA 6206
THE ELECTRODYNAMICS OF THE INNER MAGNETOSPHERE DUR ING MAJOR GEOMAGNETIC STORMS/STUDENT: DOUGLASROW
08/07/2000 - 07/31/2001 FY02: -$3,733 Total: $18,267
Prin. Invest.: J WYGANT
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50344 UNIV OF MINNESOTA 6207
MAXIPOL: MEASURING THE POLARIZATION ANISTROPHY OF THE COSMIC MICROWAVE BACKGROUND/STUDENT: BRADLEY
05/14/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: S HANAY
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50346 UNIV OF MINNESOTA 6208
A MULTIWAVELENGTH STUDY OF THE INTERSTELLAR MEDIUM OF LOW-METALLICITY/STUDENT: JOHN CANNON
05/07/2001 - 08/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: E SKILLMAN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01054 WINONA STATE UNIV 6209
ACCELERATED TESTING OF POLYMERIC COMPOSITES: CORR ELATION OF SCALE-UP EFFECTS ON VISOELASTIC
03/30/2001 - 04/30/2003 FY02: $0 Total: $60,864
Prin. Invest.: B ABDEL-MAGID
Tech. Officer: LARC/T S GATES
CASE Category: 47 – METAL & MATERIALS ENGR

MISSISSIPPI

NAG13 98005 ALCORN STATE UNIV 6210
THERMAL-HYDRAULIC MATERIAL PRE-CONSTRUCTION ANALYSIS OF THE NEW SSME TEST DIFFUSER
03/31/1998 - 09/30/2001 FY02: $0 Total: $264,392
Prin. Invest.: S ACEIL
Tech. Officer: JSC/B ST. CYR
CASE Category: 49 – ENGINEERING, OTHER

NAG13 98010 ALCORN STATE UNIV 6211
STRENGTHENING PRE-SERVICE AND IN-SERVICE TEACHER EDUCATION IN MATHEMATICS, SCIENCE & TECHNOLOGY
06/12/1998 - 06/10/2001 FY02: $0 Total: $575,280
Prin. Invest.: D ADDIE, J RUSSELL, W HUMPHRY
Tech. Officer: JSC/N SULLIVAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1485 JACKSON STATE UNIV 6212
NETWORK VISUALIZATION IN THREE-DIMENSIONS (NETVIZ)
05/22/2001 - 05/14/2002 FY02: $0 Total: $35,000
Prin. Invest.: Q MALLUHI
Tech. Officer: ARC/B A BIEGEL
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2277 JACKSON STATE UNIV 6213
INTELLIGENT INTERFACE TO THE NUMERICAL SIMULATORS (IINS) OF THE AEROSPACE TRANSPORTATION ENGINES.
07/22/1999 - 07/31/2002 FY02: $0 Total: $105,847
Prin. Invest.: D MITRA
Tech. Officer: GRC/D F NOGA
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1867 JACKSON STATE UNIV 6214
NON-CONTRACT PRECISION ACTUATION AND STRUCTURAL CONTROL USING OPTO-MECHANICAL ACTUATORS
06/25/2002 - 06/25/2005 FY02: $0 Total: $0
Prin. Invest.: H R SHIH, F A OKOJIE
Tech. Officer: MSFC/W LOVE, MSFC/E ORDONEZ
CASE Category: 41 – AERONAUTICAL ENGNR

NAG13 02056 JACKSON STATE UNIV 6215
SCIENCE AND TECHNOLOGY ENHANCEMENT PRE-COLL PRO GRAM
09/19/2002 - 09/18/2005 FY02: $0 Total: $0
Prin. Invest.: A K MOHAMED
Tech. Officer: SSC/R P TRAVIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 98007 JACKSON STATE UNIV 6216
PACE/MSET SAME
06/10/1998 - 08/30/2001 FY02: $0 Total: $299,910
Prin. Invest.: A K MOHAMED
Tech. Officer: SSC/A JOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 99004 JACKSON STATE UNIV 6217
MASTAP PROJECT: A MODEL FOR IMPROVING THE PRE- SERVICE TRAIN-ING OF MIDDLE SCHOOL MATH TEACHERS
02/23/1999 - 02/22/2002 FY02: $0 Total: $598,800
Prin. Invest.: H GORE
Tech. Officer: SSC/A JOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 99012 JACKSON STATE UNIV 6218
STUDIES OF OCEAN-ATMOSPHERIC INTERACTIONS AND ASSOCIATED TROPICAL CYCLONES/HURRICANES OF GULF ME
03/17/1999 - 03/16/2003 FY02: $0 Total: $300,000
Prin. Invest.: R REDDY
Tech. Officer: JSC/R MILLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG13 99013 JACKSON STATE UNIV 6219
SATELLITE ANALYSIS OF GULF COAST ATMOSPHERE MOSITURE AND TROPOSHERIC AEROSOLS
03/24/1999 - 12/31/2002 FY02: $0 Total: $299,988
Prin. Invest.: P CROFT
Tech. Officer: JSC/J JENNER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1296 JACKSON STATE UNIV 6220
NETWORK STORAGE MANAGEMENT IN THE DATA GRID ENVIRO NMENT
11/20/2001 - 11/14/2002 FY02: $0 Total: $0
Prin. Invest.: Q MALLUHI
Tech. Officer: ARC/B A BIEGEL
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5398 JACKSON STATE UNIV 6221
COMPUTATIONAL STUDY ON EVOLUTION OF LIFE: INVESTI GATION OF NON-CLASICAL BASE 5-AZACYTOSINE & ITS D
09/21/2000 - 09/30/2002 FY02: $0 Total: $14,000
Prin. Invest.: J LESZCZYNSKI
Tech. Officer: ARC/A POHORILLE, ARC/M FONDA
CASE Category: 12 – CHEMISTRY

NCC 5 667 **JACKSON STATE UNIV** **6222**
SCIENCE AND MATHEMATICS INITIATIVE FOR LEARNING EN HANCEMENT
08/22/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C CRAIG
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2038 **MISSISSIPPI STATE UNIV** **6223**
INVESTIGATION OF ROBUST DESIGN CONCEPTS FOR COMPO- SITE ROTORCRAFT FUSELAGE STRUCTURES
03/26/1998 - 05/31/2001 FY02: $0 Total: $135,283
Prin. Invest.: M RAIS-BHANI
Tech. Officer: LARC/D J BAKER, LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02099 **MISSISSIPPI STATE UNIV** **6224**
INVESTIGATION INTO SENSITIVITY ANALYSIS AND RELIABILITY BASED DESIGN OPTIMIZATION OF COMPOSITE CIRCU
05/23/2002 - 05/22/2003 FY02: $0 Total: $0
Prin. Invest.: M RAIS-ROHANI
Tech. Officer: LARC/D J BAKER, LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1232 **MISSISSIPPI STATE UNIV** **6225**
PHYSICS-BASED MANEUVERING PREDICTION OF TILT ROTOR AIRCRAFT
06/24/1998 - 01/31/2002 FY02: $0 Total: $870,726
Prin. Invest.: D L WHITFIELD, L K TAYLOR, W R BRILEY
Tech. Officer: ARC/R C STRAWN, ARC/W F FEIREISEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 1699 **MISSISSIPPI STATE UNIV** **6226**
COMPUTATIONAL FLUID DYNAMICS OF ROTATING MACHINERY USING TRUBO
01/23/1995 - 10/21/2002 FY02: $0 Total: $629,999
Prin. Invest.: J M JANUS, D WHITFIELD, T M SWAFFORD
Tech. Officer: GRC/D L HUFF
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2176 **MISSISSIPPI STATE UNIV** **6227**
DEVELOPMENT OF A PARALLEL TURBOMACHINERY FLOW SOLV ER
06/22/1998 - 01/31/2002 FY02: $0 Total: $225,000
Prin. Invest.: W R BRILEY
Tech. Officer: GRC/E R MCFARLAND
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2235 **MISSISSIPPI STATE UNIV** **6228**
INTEGRATED GEOMETRY/GRID/SIMULATION SOFTWARE FOR S INGLE AND MULTI-ELEENT AIRFOILS WITH ICE ACCRETIO
02/22/1999 - 06/30/2002 FY02: $0 Total: $210,313
Prin. Invest.: B K SONI
Tech. Officer: GRC/Y K CHOO
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2562 **MISSISSIPPI STATE UNIV** **6229**
ICEWING - A MESH GENERATION SYSTEM FOR COMPLEX THR EE-DIMENSIONAL ICED WING CONFIGURATIONS
03/05/2001 - 04/22/2003 FY02: $0 Total: $61,087
Prin. Invest.: D THOMPSON
Tech. Officer: GRC/Y K CHOO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11127 **MISSISSIPPI STATE UNIV** **6230**
DELTA AREA SCIENCE & TECHNOLOGY ACADEMY
07/26/2001 - 07/14/2004 FY02: $0 Total: $70,000
Prin. Invest.: B JOINER
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1566 **MISSISSIPPI STATE UNIV** **6231**
NOVEL APPROACHES REGARDING PROTEIN SOLUBILITY
02/23/1999 - 11/30/2003 FY02: $0 Total: $346,550
Prin. Invest.: W W WILSON, A ASONOV
Tech. Officer: MSFC/B V GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1837 **MISSISSIPPI STATE UNIV** **6232**
HIGH THROUGHTPUT SCREEN OF PROTEIN-PROTEIN INTER- ACTIONS BY MICROCHIP SPACE
08/22/2001 - 11/30/2004 FY02: $0 Total: $32,000
Prin. Invest.: W W WILSON
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1883 **MISSISSIPPI STATE UNIV** **6233**
FRACTURE ANALYSIS OF SEMI-ELLIPTICAL SURFACE CRACK S IN DUCTILE MATERIALS
08/23/2002 - 08/23/2004 FY02: $0 Total: $0
Prin. Invest.: S R DANIEWICZ, J C NEWMAN
Tech. Officer: MSFC/W GREGG
CASE Category: 47 – METAL & MATERIALS ENGR

NAG13 99018 **MISSISSIPPI STATE UNIV** **6234**
LEAF AREA AND VOLUME ESTIMATES IN LOBLOLLY PINE FOREST DERIVED FROM AERIAL IMAGING LIDAR
07/30/1999 - 11/01/2002 FY02: $0 Total: $247,132
Prin. Invest.: S ROBERTS
Tech. Officer: SSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 3 00181 **MISSISSIPPI STATE UNIV** **6235**
MODIFICATION OF TURBO SOFTWARE
09/29/2000 - 10/01/2005 FY02: $0 Total: $325,000
Prin. Invest.: J CHEN, D L WHITEFIELD, R BRILEY
Tech. Officer: GRC/E MCFARLAND, GRC/D VAN ZANTE
CASE Category: 41 – AERONAUTICAL ENGNR

NAS13 98033 **MISSISSIPPI STATE UNIV** **6236**
RESEARCH & DEVELOPMENT NASA AND RESIDENT AGENCIES
03/23/1998 - 03/22/2003 FY02: $41,000 Total: $14,762,852
Prin. Invest.: L RITCHIE, BULLINGTON, D WIESENBURG
Tech. Officer: SSC/D POWE
CASE Category: 33 – OCEANOGRAPHY

NCC13 99001 **MISSISSIPPI STATE UNIV** **6237**
ROLE OF LAND-GRANT UNIV IN APPLICATIONS OF REMOTE SENSING
02/19/1999 - 03/21/2004 FY02: $0 Total: $12,500,000
Prin. Invest.: D SHAW, N M COX
Tech. Officer: SSC/R MCKELLIP
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9197 **MISSISSIPPI VALLEY STATE UNIV.** **6238**
MISSISSIPPI VALLEY STATE UNIV PACE PROGRAM
03/09/2000 - 02/28/2003 FY02: $0 Total: $199,659
Prin. Invest.: C G BLAND
Tech. Officer: GSFC/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9535 MISSISSIPPI VALLEY STATE UNIV. 6239
INTEGRATING REMOTE SENSING/GIS TECHNOLOGY & RSCH INTO MSET EDUCATION
05/01/2000 - 05/14/2002 FY02: $0 Total: $200,000
Prin. Invest.: C BLAND
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 98004 MISSISSIPPI VALLEY STATE UNIV. 6240
RESPONSE OF A LEAF AND CANOPY SPECTRAL REFLECTANCE TO DROUGHT STRESS IN SOYBEANS
03/31/1998 - 09/30/2001 FY02: $0 Total: $299,352
Prin. Invest.: R BAHADUR
Tech. Officer: JSC/G CARTER
CASE Category: 55 – AGRICULTURE

NAG13 99003 MISSISSIPPI VALLEY STATE UNIV. 6241
IMPROVING TEACHERS AND STUDENTS ACHIEVEMENT IN MATHEMATICS AND SCIENCE
02/17/1999 - 08/17/2002 FY02: $0 Total: $591,503
Prin. Invest.: S J WHITE
Tech. Officer: SSC/N S SULLIVAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 99026 MISSISSIPPI VALLEY STATE UNIV. 6242
RESPONSE OF SOYBEAN LEAF & CANOPY SPECTRAL REFLECT ANCE TO CHELATE ASSISTED LEAD JUTPEXTRACTOPM
09/01/1999 - 09/27/2002 FY02: $0 Total: $199,920
Prin. Invest.: R BAHDUR
Tech. Officer: JSC/R TRAVIS
CASE Category: 55 – AGRICULTURE

NCC 5 665 MISSISSIPPI VALLEY STATE UNIV. 6243
DEVELOPING AND IMPROVING TEACHER EDUCATION IN MATH EMATICS, SCIENCE, AND TECHNOLOGY
08/22/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: O CATHEY
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7671 UNIV OF MISSISSIPPI - MEDICAL CENTER 6244
FUNDING FOR 'THE UTILITY OF LOW COST THERMAL SENSO RS IN ARCHAEOLOGICALRESEARCH' (SENH98-0125)
09/01/1998 - 02/28/2001 FY02: $0 Total: $100,000
Prin. Invest.: J K JOHNSON
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICALSCIENCE

NAG13 00036 UNIV OF MISSISSIPPI - UNIV 6245
THE UNIV OF MS REMOTE SENSING AND SPACE LAW CENTER OF EXCELLENCE
04/06/2000 - 04/05/2003 FY02: $500,000 Total: $1,000,000
Prin. Invest.: J GABRYNOWICZ, R MCLAUGHLIN, R RYCHLAK
Tech. Officer: SSC/M MICK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 00037 UNIV OF MISSISSIPPI - UNIV 6246
THE UNIV OF MISSISSIPPI GEOINFORMATICS CENTER
05/08/2000 - 09/30/2002 FY02: $0 Total: $1,826,459
Prin. Invest.: G EASSON
Tech. Officer: SSC/N SOVIK
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG13 01004 UNIV OF MISSISSIPPI - UNIV 6247
NEW GRANT AWARD GEOSPATIAL INFORMATION TECHNOLOGY EDUCATION:
07/12/2001 - 07/02/2006 FY02: $0 Total: $1,000,000
Prin. Invest.: J JOHNSON, P LAWHEAD
Tech. Officer: SSC/D P POWE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG13 02052 UNIV OF MISSISSIPPI - UNIV 6248
UNIV OF MISSISSIPPI GEOINFORMATICS CENTER (UMGS)
08/23/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: G EASSON
Tech. Officer: SSC/T VANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 405 UNIV OF MISSISSIPPI - UNIV 6249
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/17/1999 - 12/31/2001 FY02: $0 Total: $450,000
Prin. Invest.: P SUKANEK
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 574 UNIV OF MISSISSIPPI - UNIV 6250
MISSISSIPPI NASA EPSCOR PROGRAM
09/26/2001 - 07/31/2004 FY02: $0 Total: $258,000
Prin. Invest.: P SUKANEK
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40098 UNIV OF MISSISSIPPI - UNIV 6251
MISSISSIPPI SPACE GRANT COLL AND FELLOWSHIP PRO GRAM
02/28/2001 - 02/28/2005 FY02: $0 Total: $464,544
Prin. Invest.: P SUKANEK
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9770 UNIV OF SOUTHERN MISSISSIPPI 6252
OPTICAL ASSESSMENT OF BIOGEOCHEMICAL PROPERTIES IN COASTAL WATERS WITH APPLICATION TO MULTI-SPECTRAL
07/12/2000 - 01/31/2002 FY02: $0 Total: $58,216
Prin. Invest.: S E LOHRENZ
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 10668 UNIV OF SOUTHERN MISSISSIPPI 6253
EXPLORING THE RELATIONSHIP BETWEEN SIZE AND CATALY TIC CAPACITY OF RNA CATALYSTS
03/21/2001 - 03/31/2004 FY02: $0 Total: $167,200
Prin. Invest.: F HUANG
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 8 1466 UNIV OF SOUTHERN MISSISSIPPI 6254
FRONTAL POLYMERIZATION IN MICROGRAVITY
02/10/1998 - 12/31/2002 FY02: $0 Total: $735,520
Prin. Invest.: J A POJMAN
Tech. Officer: MSFC/W S SPEARMAN
CASE Category: 13 – PHYSICS

NAG 8 1684 UNIV OF SOUTHERN MISSISSIPPI 6255
"PHASE SEPARATION AND SELF-ASSEMBLY OF LIQUID CRYSTALS AND POLYMER DISPERSIONS"
06/05/2000 - 11/30/2003 FY02: $0 Total: $125,500
Prin. Invest.: J WHITEHEAD
Tech. Officer: MSFC/P DOTY
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1858 UNIV OF SOUTHERN MISSISSIPPI 6256
FRONTAL POLYMERIZATION IN MICROGRAVITY RESEARCH
02/22/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: J A POJMAN
Tech. Officer: MSFC/M BODIFORD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG13 01005 UNIV OF SOUTHERN MISSISSIPPI 6257
A PROPOSAL TO DEVELOP AND OPERATE A COASTAL ZONE APPLICATIONS CENTER/ADVANCED GIS/REMOTE SENSING
07/30/2001 - 06/30/2003 FY02: $0 Total: $2,993,400
Prin. Invest.: W HAWKINS
Tech. Officer: SSC/M THOMAS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

MISSOURI

NAG 1 02027 SAINT LOUIS UNIV 6258
TRANSITION-SENSITIZED TURBULENCE MODELS FOR COMPRESSIBLE AND INCOMPRESSIBLE FLOW
12/18/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: W D THACKER
Tech. Officer: LARC/T B GATSKI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2469 SAINT LOUIS UNIV 6259
INVESTIGATION OF THERMAL PROCESSING ON THE PEOPERT IES OF PS304, A SOLID LUBRICANT COATING
06/27/2000 - 06/14/2001 FY02: $0 Total: $32,201
Prin. Invest.: P A BENOY
Tech. Officer: GRC/C DELLACORTE
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2642 SAINT LOUIS UNIV 6260
INVESTIGATION OF THERMAL PROCESSING ON THE PROPERT IES OF PS305, A SOLID LUBRICANT COATING
08/02/2001 - 06/16/2002 FY02: $0 Total: $31,007
Prin. Invest.: P A BENOY
Tech. Officer: GRC/C DELLACORTE
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1852 SAINT LOUIS UNIV 6261
INVESTIGATION OF AIRPORT TO SPACEPORT TRANSITION
10/30/2001 - 01/30/2002 FY02: $0 Total: $0
Prin. Invest.: C RAHAIM
Tech. Officer: MSFC/E SHAW
CASE Category: 49 – ENGINEERING, OTHER

NCC 1 01003 SAINT LOUIS UNIV 6262
FORMULATION OF A TRANSITION-SENSITIZED TURBULENCE MODEL
12/19/2000 - 12/31/2001 FY02: $0 Total: $35,000
Prin. Invest.: W D THACKER
Tech. Officer: LARC/T B GATSKI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01037 UNIV OF MISSOURI - COLUMBIA 6263
DESIGN & EXPERIMENTAL VERIFICATION OF DEPLOYABLE/ INFLATABLE ULTRA-LIGHTWEIGHT STRUCTURES
06/08/2001 - 05/31/2004 FY02: $0 Total: $79,054
Prin. Invest.: P PAI
Tech. Officer: LARC/W K BELVIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 02085 UNIV OF MISSOURI - COLUMBIA 6264
AIRFRAME-NOISE MODELING AND CONTROL
04/22/2002 - 09/10/2002 FY02: $0 Total: $0
Prin. Invest.: O V VASILYEV, V CHELLABOINA
Tech. Officer: LARC/M R KHORRAMI
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1372 UNIV OF MISSOURI - COLUMBIA 6265
SIGNALING OF MUSCLE ATROPHY WITH UNLOADING
08/17/1999 - 08/31/2003 FY02: $0 Total: $365,206
Prin. Invest.: F W BOOTH
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2670 UNIV OF MISSOURI - COLUMBIA 6266
INTERPLANETARY TRAJECTOR OPTIMIZATION PROGRAM FOR ELECTRIC PROPULSION SPACECRAFT
12/03/2001 - 11/01/2002 FY02: $0 Total: $0
Prin. Invest.: C KLUEVER
Tech. Officer: GRC/S OLESON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 4607 UNIV OF MISSOURI - COLUMBIA 6267
VESTIBULAR ONTOGENY, ADAPTATION, AND THE EFFECTS O LOADING IN THE RAT
05/19/1997 - 11/14/2001 FY02: $0 Total: $296,020
Prin. Invest.: T A JONES
Tech. Officer: GSFC/M AVERNER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 8344 UNIV OF MISSOURI - COLUMBIA 6268
BAYESIAN HIERARCHICAL AIR-SEA INTERACTION MODELING : DEVELOPMENT AND APPLICATION IN THE LABR
04/13/1999 - 05/31/2002 FY02: $0 Total: $51,413
Prin. Invest.: C K WIKLE
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 9145 UNIV OF MISSOURI - COLUMBIA 6269
ANDEAN MOUNTAIN BUILDING: AN INTEGRATED TOPO GRAPH GPS, SEISMOLOGICAL AND NUMERICAL STUDY
03/07/2000 - 03/14/2003 FY02: $0 Total: $100,000
Prin. Invest.: M LIU
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9555 UNIV OF MISSOURI - COLUMBIA 6270
EVOLUTION OF THE RIBOZYME RNASE P RNA BY TRANSACTI VATION
05/04/2000 - 04/30/2003 FY02: $0 Total: $233,040
Prin. Invest.: F SCHMIDT
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10720 UNIV OF MISSOURI - COLUMBIA 6271
MOBILE WIRELESS ACCESS TO LOW RESOLUTION PICTURE TAKING (LRPT) NOAA WEATHER IMAGES
05/03/2001 - 05/14/2004 FY02: $0 Total: $50,000
Prin. Invest.: C CHEN
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11081 UNIV OF MISSOURI - COLUMBIA 6272
20-YEAR ELEVATION CHANGE OF THE SOUTHERN GREENLAND ICE SHEET FROM SATELLITE RADAR ALTIMETRY
07/10/2001 - 06/30/2003 FY02: $0 Total: $48,977
Prin. Invest.: C DAVIS
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12284 UNIV OF MISSOURI - COLUMBIA 6273
AWARD OF FUNDS FOR MULTI-USE SCIENTIFIC EQUIPMENT
06/12/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: G CHIPENDALE
Tech. Officer: GSFC/L CHAMBERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12300 UNIV OF MISSOURI - COLUMBIA 6274
HUMAN HEALTH FROM EARTH TO SPACE: A NASA-MU PARTNE RSHIP FOR UNDERSTANDING SEX DIFFERENC
06/20/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M HAY
Tech. Officer: GSFC/L CHAMBERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12482 UNIV OF MISSOURI - COLUMBIA 6275
TECHNOLOGY ASSESSMENT AND READINESS CRITIQUES FOR THE APPLI-CATIONS PROGRAM INVESTMENT PORTFOLIO
08/26/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: V KAUP
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1741 UNIV OF MISSOURI - COLUMBIA 6276
TRAJECTORY OPTIMIZATION PROGRAM FOR NEAR-EARTH LOW-THRUST SPACECRAFT
11/01/2000 - 08/31/2002 FY02: $0 Total: $55,933
Prin. Invest.: C A KLUEVER
Tech. Officer: MSFC/J M HANSON, MSFC/G A DUKEMAN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1210 UNIV OF MISSOURI - COLUMBIA 6277
DESIGN & THERMAL CONTROL OF ADVANCED SPACE SUITS
03/24/2000 - 03/31/2003 FY02: $0 Total: $89,999
Prin. Invest.: S NAIR, J B MILES
Tech. Officer: JSC/C H LIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1230 UNIV OF MISSOURI - COLUMBIA 6278
CONSTRUCT THE LIFE SCIENCES CENTER
09/29/2000 - 08/31/2005 FY02: $0 Total: $27,767,000
Prin. Invest.: G M CHIPPENDALE
Tech. Officer: JSC/R P KEHOE, JSC/P CAMPBELL
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG13 00006 UNIV OF MISSOURI - COLUMBIA 6279
CENTER FOR LOCAL AND REGIONAL GOVERNMENT APPLICATI ONS (CLARA)
03/13/2000 - 11/30/2002 FY02: $0 Total: $324,999
Prin. Invest.: D D HIPPLE
Tech. Officer: SSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99014 UNIV OF MISSOURI - COLUMBIA 6280
INST FOR THE COMMERCIAL DEVELOPMENT OF REMOTE SENSING TECH-NOLOGY (ICREST)
04/19/1999 - 12/31/2001 FY02: $0 Total: $3,590,000
Prin. Invest.: D BLANCHARD
Tech. Officer: JSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 1 01017 UNIV OF MISSOURI - COLUMBIA 6281
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) (PREVIOUS GRANT NO. NGT-1-52239)
05/25/2001 - 06/30/2002 FY02: $0 Total: $12,000
Prin. Invest.: O VASILYEV
Tech. Officer: LARC/T B GATSKI
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52239 UNIV OF MISSOURI - COLUMBIA 6282
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/26/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: O VASILYEV
Tech. Officer: LARC/T B GATSKI
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 8 52914 UNIV OF MISSOURI - COLUMBIA 6283
ROBUST GUIDANCE SCHEMES FOR THE LANDING PHASE OF A REYSABKE KAYBCG VEHICLE
05/30/2002 - 07/01/2005 FY02: $0 Total: $0
Prin. Invest.: C KLUEVER
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 46 – MECHANICAL ENGR

NGT13 52747 UNIV OF MISSOURI - COLUMBIA 6284
REMOTE SENSING INFO. PRODUCTS FROM HIGH RESOLUTION SATELLITE IMAGERY FOR LOCAL GOV. APP.'S
06/08/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: A K SHACKLEFORD
Tech. Officer: SSC/B DAVIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01050 UNIV OF MISSOURI - ROLLA 6285
MODELING OF INTERACTION BETW PERMEABILITY & DAMAGE IN PMC LAMINATES FOR THE NASA RLV
04/05/2001 - 04/04/2004 FY02: $0 Total: $81,286
Prin. Invest.: S ROY
Tech. Officer: LARC/T S GATES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01122 UNIV OF MISSOURI - ROLLA 6286
HIGH-SPEED PROPULSION SYSTEM MODELING AND ANALYSIS
08/29/2001 - 08/28/2004 FY02: $0 Total: $60,001
Prin. Invest.: D W RIGGINS
Tech. Officer: LARC/C R MCCLINTON, LARC/S H STACK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02094 UNIV OF MISSOURI - ROLLA 6287
DEPOSITION OF PIEZOELECTRIC FILMS ON THIN POLYMERIC SUBSTRATES
05/02/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: R W SCHWARTZ
Tech. Officer: LARC/Q A SHAMS
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2340 UNIV OF MISSOURI - ROLLA 6288
STUDIES IN ACOUSTIC PROPAGATION AND RADIATION STUDIES IN ACOUSTIC PROPAGATION AND RADIATION
02/25/2000 - 01/31/2002 FY02: $0 Total: $75,381
Prin. Invest.: W EVERSMAN
Tech. Officer: GRC/E ENVIA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2357 UNIV OF MISSOURI - ROLLA 6289
CHARACTERIZATION OF ENVIRONMENTAL DURABILITY OF A POLYMER MATRIX COMPOSITE
03/15/2000 - 04/01/2002 FY02: $0 Total: $65,644
Prin. Invest.: D ROY
Tech. Officer: GRC/M A MEADER
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2608 UNIV OF MISSOURI - ROLLA 6290
SECOND-LAW BASED PERFORMED OF AEROSPACE TURBOSHAFT ENIGNES & ENGINE COMPONENTS
05/11/2001 - 06/30/2002 FY02: $0 Total: $59,999
Prin. Invest.: D W RIGGINS
Tech. Officer: GRC/D THURMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2718 UNIV OF MISSOURI - ROLLA 6291
TURBOFAN NOISE PROPAGATION AND RADIATION AT HIGH F REQUENCIES
02/22/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: W EVERSMAN
Tech. Officer: GRC/D KOCH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12244 UNIV OF MISSOURI - ROLLA 6292
SEX, SPACE AND ENVIRONMENTAL ADAPTATION: A NATIONA L WORKSHOP TO DEFINE RESEARCH PRIORITIES REGARDI
05/30/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: M HAY
Tech. Officer: GSFC/L CHAMBERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12589 UNIV OF MISSOURI - ROLLA 6293
DESIGN AND TEST OF A TETHERED PAIR OF SATELLITES: EQUIPMENT REQUIREMENTS
09/19/2002 - 11/14/2002 FY02: $0 Total: $0
Prin. Invest.: H J PERNICKA
Tech. Officer: GSFC/J A LEITNER
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 8 1465 UNIV OF MISSOURI - ROLLA 6294
KINETICS OF NUCLEATION AND CRYSTAL GROWTH IN GLASS FORMING METALS IN MICROGRAVTIY
02/10/1998 - 02/14/2004 FY02: $0 Total: $617,880
Prin. Invest.: D E DAY, C S RAY
Tech. Officer: MSFC/M PURVEY
CASE Category: 13 – PHYSICS

NAG 8 1805 UNIV OF MISSOURI - ROLLA 6295
ROBUST ADAPTIVE CRITIC BASED NEUROCONTROLLERS FOR REUSABLE LAUNCH VEHICLES
07/25/2001 - 07/31/2002 FY02: $0 Total: $34,999
Prin. Invest.: S N BALAKRISHNAN
Tech. Officer: MSFC/D KRUPP, MSFC/C HALL
CASE Category: 46 – MECHANICAL ENGR

NCC 2 5419 UNIV OF MISSOURI - ROLLA 6296
ADAPTIVE CRITIC BASED RECONFIGURABLE CONTROLLER
02/14/2001 - 01/31/2003 FY02: $0 Total: $60,000
Prin. Invest.: S N BALAKRISHNAN
Tech. Officer: GSFC/J J TOTAH
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5423 UNIV OF MISSOURI - ROLLA 6297
AN ANALYTICAL METHOD FOR DESIGN & AMANUFACTURING T O CAPTURE POTENTIAL FAILURE MODES IN HIGH RISK AE
02/26/2001 - 02/28/2003 FY02: $0 Total: $50,640
Prin. Invest.: R B STONE
Tech. Officer: ARC/I Y TUMER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5490 UNIV OF MISSOURI - ROLLA 6298
PREDICTING AND SIMULATING MONITORED FAILURE SIGNAL S: COMPUTATION ADN EXPERIMENTATION
05/21/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: D A MCADAMS
Tech. Officer: ARC/I Y TUMER, ARC/S LAU
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 40060 UNIV OF MISSOURI - ROLLA 6299
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
03/04/1997 - 02/28/2001 FY02: $0 Total: $807,500
Prin. Invest.: F FINIASH
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40112 UNIV OF MISSOURI - ROLLA 6300
MISSOURI SPACE GRANT COLL & FELLOWSHIP PROGRAM
03/06/2001 - 02/28/2005 FY02: $0 Total: $212,500
Prin. Invest.: F FINIASH
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52916 UNIV OF MISSOURI - ROLLA 6301
ROBUST NONLINEAR GUIDANCE/CONTROL FOR REUSABLE LAUNCH VEHICLES
05/30/2002 - 07/01/2005 FY02: $0 Total: $0
Prin. Invest.: S N BALAKRISHNAN
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2592 UNIV OF MISSOURI - SAINT LOUIS 6302
THE THERMO-CHEMISTY OF HIGH ENERGY DENSITY MISSLE FUELS
04/23/2001 - 02/28/2002 FY02: $0 Total: $30,000
Prin. Invest.: J CHICKOS
Tech. Officer: GRC/M J ZEHE
CASE Category: 12 – CHEMISTRY

NAG 3 2797 UNIV OF MISSOURI - SAINT LOUIS 6303
THE THERMOCHEMISTRY OF HIGH ENERGY DENSITY MISSILE FUELS
07/26/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: J S CHICKOS
Tech. Officer: GRC/M ZEHE
CASE Category: 12 – CHEMISTRY

NAG 5 12013 UNIV OF MISSOURI - SAINT LOUIS 6304
METHANE AND AMMONIA OVERTONE ABSORPTION SPECTRA
04/22/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: J J O'BRIEN
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1457 WASHINGTON UNIV - ST. LOUIS 6305
DEFORMABLE WAKE DYNAMICS FOR IMPROVED MANEUVERING FLIGHT SIMULATION
03/07/2001 - 07/31/2003 FY02: $0 Total: $43,821
Prin. Invest.: D A PETERS
Tech. Officer: ARC/C TUNG, ARC/T MAIER
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1493 WASHINGTON UNIV - ST. LOUIS 6306
MULTISENSORY INTERACTIONS TO DISCRIMINATE GRAVITY FROM TRANSLATIONAL ACCELERATIONS
07/31/2001 - 06/30/2003 FY02: $0 Total: $188,831
Prin. Invest.: D E ANGELAKI
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1500 WASHINGTON UNIV - ST. LOUIS 6307
EVOLUTION OF ANTHROPOD NEURAL PATTERN
07/06/2001 - 06/30/2003 FY02: $76,222 Total: $152,445
Prin. Invest.: J B SKEATH
Tech. Officer: ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 1910 WASHINGTON UNIV - ST. LOUIS 6308
GAS - PHASE COMBUSTION SYNTHESIS OF METAL AND ERAM IC NANOPARTICLES
06/24/1996 - 06/22/2001 FY02: $0 Total: $288,238
Prin. Invest.: R L AXELBAUM, B H CHAO
Tech. Officer: GRC/S A GOKOGLE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2625 WASHINGTON UNIV - ST. LOUIS 6309
DEVELOPMENT OF A MICROSCALE PARTICULATE CLASSIFIER (MIPAC)
06/01/2001 - 12/31/2002 FY02: $0 Total: $25,000
Prin. Invest.: D CHEN
Tech. Officer: GRC/P S GREENBERG
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3657 WASHINGTON UNIV - ST. LOUIS 6310
STRUCTURE AND EVOLUTION OF OUTER PLANET SATELLITES
03/19/1997 - 10/31/2002 FY02: $0 Total: $151,632
Prin. Invest.: W B MCKINNON
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4098 WASHINGTON UNIV - ST. LOUIS 6311
ISOTOPIC STRUCTURES AND FINE-SCALE CHRONOLOGY IN P
06/23/1997 - 03/31/2002 FY02: $0 Total: $427,000
Prin. Invest.: D A PODOSEK
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4173 WASHINGTON UNIV - ST. LOUIS 6312
LUNAR AND PLANETARY SURFACE DYNAMICS AND EARLY HIS
06/02/1997 - 12/14/2000 FY02: $0 Total: $645,000
Prin. Invest.: D HOHENBERG
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 4435 WASHINGTON UNIV - ST. LOUIS 6313
PARTICIPATION IN THE DATA ANALYSIS AND SCIENCE ACT ORBITING LASER ALTIMETER (MOLA) & THE MARS GLOBAL
04/28/1997 - 12/31/2002 FY02: $0 Total: $560,000
Prin. Invest.: R J PHILLIPS
Tech. Officer: GSFC/D E SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4448 WASHINGTON UNIV - ST. LOUIS 6314
PLANETARY INTERIOR MODELLING AND TECTONIC IMPLICAT
05/08/1997 - 12/31/2002 FY02: $0 Total: $554,150
Prin. Invest.: D J PHILLIPS
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4564 WASHINGTON UNIV - ST. LOUIS 6315
KINETICS OF THERMOCHEMICAL REACTIONS IMPORTANT IN SULFUR CYCLE
05/29/1997 - 12/31/2002 FY02: $0 Total: $343,206
Prin. Invest.: D FEGLEY
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4565 WASHINGTON UNIV - ST. LOUIS 6316
CHEMICAL WEATHERING KINETICS OF BASALT ON VENUS
05/30/1997 - 02/14/2002 FY02: $0 Total: $227,838
Prin. Invest.: D FEGLEY
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 5078 WASHINGTON UNIV - ST. LOUIS 6317
BASIC RESEARCH ON THE COMPOSITION OF HEAVY COSMIC RAYS: TIGER
05/03/1996 - 05/31/2002 FY02: $0 Total: $1,812,700
Prin. Invest.: R W BINNS
Tech. Officer: GSFC/H C NEDDLEMAN, GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5110 WASHINGTON UNIV - ST. LOUIS 6318
DEVELOPMENT OF SIFTER WITH SIMULTANEOUS TRACKING AND CALORIMETRY
02/12/1997 - 05/31/2001 FY02: $0 Total: $410,000
Prin. Invest.: R BINNS
Tech. Officer: GSFC/H NEEDLEMAN
CASE Category: 13 – PHYSICS

NAG 5 5154 WASHINGTON UNIV - ST. LOUIS 6319
ULTRA HEAVY AND HEAVY COSMIC-RAY MEASUREMENTS ON ACCESS
03/26/1998 - 06/30/2001 FY02: $0 Total: $112,160
Prin. Invest.: W R BINNS
Tech. Officer: GSFC/H NEEDLEMAN
CASE Category: 13 – PHYSICS

NAG 5 5215 WASHINGTON UNIV - ST. LOUIS 6320
A PROPOSAL FOR CONVERSION OF THE TRANS-IRON GALACTIC ELEMENT RECORDER (TIGER) PIHINK
12/01/1998 - 11/30/2002 FY02: $0 Total: $529,732
Prin. Invest.: P HINK
Tech. Officer: GSFC/B MERRITT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 5296 WASHINGTON UNIV - ST. LOUIS 6321
SIFTER SCINTILLATING FIBER TELESCOPE FOR ENERGETIC
06/12/2000 - 06/30/2002 FY02: $0 Total: $64,000
Prin. Invest.: W R BINNS
Tech. Officer: WFF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5343 WASHINGTON UNIV - ST. LOUIS 6322
BASIC RESEARCH ON THE COMPOSITION OF HEAVY COSMIC RAYS - THE TRANS-IRON GALACTICELEMENT RECORDER EX
01/17/2002 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: R BINNS
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5357 WASHINGTON UNIV - ST. LOUIS 6323
CONTINUED DEVELOPMENT OF SCINTILLATING FIBER DETEC TORS FOR GAMMA-RAY ASTRONOMY.
08/05/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: R BINNS
Tech. Officer: WFF/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 6125 WASHINGTON UNIV - ST. LOUIS 6324
ACOUSTIC COMPOSITION EXPERIMENT FOR DETERMINING H2 RATIO IN THE ATMOSPHERES OF THE JOVIAN PLANETS
08/04/1997 - 07/14/2003 FY02: $0 Total: $467,327
Prin. Invest.: D FEGLEY
Tech. Officer: GSFC/B CAMPBELL
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6366 WASHINGTON UNIV - ST. LOUIS 6325
CHEMICAL MODELS OF THE PRESENT AND PRIMORDIAL ATMO GIANT PLANETS JUPITER, SATURN, URANUS AND NEPTUNE
09/22/1997 - 12/31/2002 FY02: $0 Total: $283,926
Prin. Invest.: D FEGLEY
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7140 WASHINGTON UNIV - ST. LOUIS 6326
OPTICAL DESIGN AND BREADBOARD OF A RAMAN SPECTROME TER
03/13/1998 - 03/31/2001 FY02: $0 Total: $267,726
Prin. Invest.: L HASKIN
Tech. Officer: GSFC/B CAMPBELL
CASE Category: 11 – ASTRONOMY

NAG 5 7613 WASHINGTON UNIV - ST. LOUIS 6327
DYNAMICS OF WETLANDS AMONG ENGINEERED PORTIONS OF MISSOURI RIVER SYSTEM
07/22/1998 - 01/31/2002 FY02: $0 Total: $360,000
Prin. Invest.: R E ARVIDSON
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7696 WASHINGTON UNIV - ST. LOUIS 6328
HYDROTHERMAL ECOSYSTEMS IN A PLANETARY CONTEXT
09/17/1998 - 01/31/2002 FY02: $0 Total: $425,728
Prin. Invest.: E L SHOCK
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8056 WASHINGTON UNIV - ST. LOUIS 6329
DEFORMATION OF THE EUROPAN ICE SHELL BY TIDAL AND CONVECTION STRESSES
01/15/1999 - 01/31/2003 FY02: $0 Total: $103,000
Prin. Invest.: W B MCKINNON
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8336 WASHINGTON UNIV - ST. LOUIS 6330
SOLID STATE AND MASS SPECTROMETRIC MEASUREMENT OF EXTRATER-RESTRIAL MATERIALS
02/24/1999 - 02/28/2003 FY02: $0 Total: $1,981,000
Prin. Invest.: T J BERNATOWICZ
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8536 WASHINGTON UNIV - ST. LOUIS 6331
DEVELOPMENT OF HIGH QUANTUM EFFICIENCY UV/BLUE PHO TOCATH-ODE EPITAXIAL SEMICONDUCTOR HETEROSTRUCTURE
07/08/1999 - 07/14/2002 FY02: $0 Total: $576,028
Prin. Invest.: D LEOPOLD
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 12 – CHEMISTRY

NAG 5 8568 WASHINGTON UNIV - ST. LOUIS 6332
THE HIGH ENERGY X-RAY IMAGING SURVEY (HEXIS)
05/24/1999 - 05/31/2001 FY02: $0 Total: $45,000
Prin. Invest.: P L HINK
Tech. Officer: GSFC/L KALUZIENSKI
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 8609 WASHINGTON UNIV - ST. LOUIS 6333
SYNTHESIZING LUNAR PROSPECTOR, CLEMENTINE, AND APO LLO GEOCHEMICAL DATA TO UNDERSTAND THE GEOLOGY O
06/10/1999 - 06/30/2003 FY02: $0 Total: $176,000
Prin. Invest.: R L KOROTEV
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8717 WASHINGTON UNIV - ST. LOUIS 6334
GLOBAL CHEMICAL REACTOR OF PROTOPLANETARY DISK
08/10/1999 - 07/31/2002 FY02: $0 Total: $68,000
Prin. Invest.: J T GLEAVES
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8729 WASHINGTON UNIV - ST. LOUIS 6335
PURCHASE AND INSTALLATION OF NANOSIMS 50
08/10/1999 - 07/31/2002 FY02: $0 Total: $1,083,000
Prin. Invest.: R M WALKER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8899 WASHINGTON UNIV - ST. LOUIS 6336
DEFORMATION OF THE EUROPEAN ICE SHELL BY TIDAL AND CONVECTIVE STRESSES: CONSTRAINTS FROM GEM DATA
01/13/2000 - 01/31/2003 FY02: $0 Total: $69,000
Prin. Invest.: W MCKINNON
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8905 WASHINGTON UNIV - ST. LOUIS 6337
COMPOSITION, LITHOLOGY, AND HETEROGENEITY OF THE LUNAR CRUST USING REMOTE-SENSING OF IMPACT-BASIN
01/21/2000 - 01/31/2003 FY02: $0 Total: $74,100
Prin. Invest.: B L JOLLIFF
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9442 WASHINGTON UNIV - ST. LOUIS 6338
LUNAR & PLANETARY SURFACE DYNAMICS & EARLY HISTORY
04/14/2000 - 12/14/2002 FY02: $0 Total: $441,000
Prin. Invest.: C M HOHENBERG
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9449 WASHINGTON UNIV - ST. LOUIS 6339
STUDIES OF PRESOLAR MATERIALS AND SOLAR NEBULA STRUCUTRE AND EVOLUTION
04/12/2000 - 04/30/2003 FY02: $0 Total: $156,000
Prin. Invest.: F PODOSEK
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9801 WASHINGTON UNIV - ST. LOUIS 6340
ORIGIN & EVOLUTION OF THE SOLAR SYSTEM: MICROANALY TICAL STUDIES OF METEORITES &INTERPLANETARY DUST
07/14/2000 - 02/28/2003 FY02: $0 Total: $387,000
Prin. Invest.: R M WALKER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10158 WASHINGTON UNIV - ST. LOUIS 6341
WASHINGTON UNIV-REGIONAL PLANETARY IMAGE FACILITY
12/18/2000 - 12/31/2003 FY02: $0 Total: $24,473
Prin. Invest.: R ARVIDSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10186 WASHINGTON UNIV - ST. LOUIS 6342
SPACE-BASED GRAVITATIONAL-WAVE OBSERVATIONS AS TOOLS FOR TESTING GENERALRELATIVITY
12/20/2000 - 12/31/2003 FY02: $0 Total: $65,000
Prin. Invest.: C M WILL
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10190 WASHINGTON UNIV - ST. LOUIS 6343
HYDROGEOLOGY OF BASINS ON MARS
01/03/2001 - 01/14/2002 FY02: $0 Total: $138,000
Prin. Invest.: R E ARVIDSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10227 WASHINGTON UNIV - ST. LOUIS 6344
INTEGRATED STUDY OF THE GEOLOGY, COMPOSITION, & ORIGIN OF LUNAR MARE BASALTS
01/04/2001 - 01/14/2004 FY02: $0 Total: $35,000
Prin. Invest.: B JOLLIFF
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10426 WASHINGTON UNIV - ST. LOUIS 6345
THE HISTORY OF PRESOLAR GRAINS
02/16/2001 - 02/28/2004 FY02: $0 Total: $386,000
Prin. Invest.: T BERNATOWICZ
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10485 WASHINGTON UNIV - ST. LOUIS 6346
GEOCHEMICAL & PETROLOGIC ANALYSIS & MODELING OF LU NAR ROCKS & REGOLITHS
03/06/2001 - 03/14/2004 FY02: $0 Total: $250,000
Prin. Invest.: L HASKIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10513 WASHINGTON UNIV - ST. LOUIS 6347
ISOTOPIC STRUCTURES & FINE-SCALE CHRONOLOGY IN PLANETARY MATERIALS
03/05/2001 - 03/31/2004 FY02: $0 Total: $114,000
Prin. Invest.: F PODOSEK
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10533 WASHINGTON UNIV - ST. LOUIS 6348
MAJOR EQUIPMENT: GAMMA-RAY DETECTORS FOR NEUTRON ACTIVATION ANALYSIS ASSOCIATED WITH PROPOSAL ″GE
04/06/2001 - 08/31/2002 FY02: $0 Total: $44,200
Prin. Invest.: L HASKIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10553 WASHINGTON UNIV - ST. LOUIS 6349
KINETICS OF THERMOCHEMICAL GAS-SOLID REACTIONS IMPORTANT FOR VOLATILE RETENTION IN THE SOLAR NE
03/09/2001 - 03/14/2004 FY02: $0 Total: $60,000
Prin. Invest.: B FEGLEY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10703 WASHINGTON UNIV - ST. LOUIS 6350
ENHANCED LASER RAMAN SPECTROSCOPY FOR PLANETARY ON -SURFACE MINERALOGY, PETROLOGY, AND DETECTION OF
04/09/2001 - 03/31/2004 FY02: $0 Total: $186,674
Prin. Invest.: L HASKIN
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 10802 WASHINGTON UNIV - ST. LOUIS 6351
CONCEPT STUDY FOR THE ″THE HEAVY NUCLEI EXPLORER″ (HNX) MISSION AO-99-OSS-05
04/30/2001 - 04/30/2002 FY02: $0 Total: $127,300
Prin. Invest.: W BINNS
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 11037 WASHINGTON UNIV - ST. LOUIS 6352
KINECTICS OF THE THERMOCHEMICAL REACTIONS IMPORTANT IN THE VENUS ATMOSPHERIC SULFUR CYCLE
06/12/2001 - 06/14/2002 FY02: $0 Total: $93,000
Prin. Invest.: B FEGLEY
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11050 WASHINGTON UNIV - ST. LOUIS 6353
CHEMICAL WEATHERING REACTIONS ON VENUS
06/18/2001 - 05/31/2004 FY02: $0 Total: $60,000
Prin. Invest.: B FEGLEY, JR
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11202 WASHINGTON UNIV - ST. LOUIS 6354
INTEGRATED GEODYNAMICAL AND HYDROGEOLOGICAL HISTOR Y OF MARS
08/14/2001 - 08/14/2004 FY02: $0 Total: $65,000
Prin. Invest.: R J PHILLIPS
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11517 WASHINGTON UNIV - ST. LOUIS 6355
STRUCTURE AND EVOLUTION OF OUTER PLANET SATELLITES
12/31/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: W B MCKINNON
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11545 WASHINGTON UNIV - ST. LOUIS 6356
ISOTOPIC STUDIES OF STARDUST
01/04/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: E ZINNER
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11574 WASHINGTON UNIV - ST. LOUIS 6357
PARTICIPATION IN THE DATA ANALYSIS AND SCIENCE ACT IVITIES OF THE MARS ORBITING LASER ALTIMETER (MGS
01/07/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: R PHILLIPS
Tech. Officer: GSFC/D E SMITH
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11620 WASHINGTON UNIV - ST. LOUIS 6358
DYNAMICS OF DURICRUST ON MARS
01/22/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: R E ARVIDSON
Tech. Officer: GSFC/D S SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11865 WASHINGTON UNIV - ST. LOUIS 6359
DEVELOPMENT OF NEW ANALYTICAL TECHNIQUES FOR THE MICROANALY-SIS OF EXTRATERRESTRIAL MATERIALS
03/20/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: F S STADERMANN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11958 WASHINGTON UNIV - ST. LOUIS 6360
CHEMICAL MODELS OF THE GAS GIANT PLANETS
04/02/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: B FEGLEY
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12114 WASHINGTON UNIV - ST. LOUIS 6361
REDUCED CARBON AND WATER SEEKER: A SURVEY INSTRUME NT
04/26/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: A WANG
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1682 WASHINGTON UNIV - ST. LOUIS 6362
"STUDIES OF NUCLEATION AND GROWTH, SPECIFIC HEAT AND VISCOSITY OF UNDER COOLED MELTS OF ALLOYS"
05/01/2000 - 11/30/2003 FY02: $0 Total: $239,579
Prin. Invest.: K F KELTON
Tech. Officer: MSFC/P DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 1006 WASHINGTON UNIV - ST. LOUIS 6363
GENESIS: NOBLE GAS MEASUREMENTS PHASE B
04/29/1998 - 07/31/2003 FY02: $0 Total: $244,900
Prin. Invest.: C M HOHENBERG
Tech. Officer: JSC/K E CYR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1010 WASHINGTON UNIV - ST. LOUIS 6364
GENESIS DISCOVERY MISSION
05/05/1998 - 11/08/2002 FY02: $0 Total: $56,600
Prin. Invest.: F A PODOSEK
Tech. Officer: JSC/E K STANSBERY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 3 00094 WASHINGTON UNIV - ST. LOUIS 6365
NRA CONTRACT FOR "SEARCH FOR EFFECTS OF ELECTROSTA TIC POTENTIAL ON CLOCKS IN THE FRAME OF REFERENCE
12/27/1999 - 12/26/2000 FY02: $0 Total: $99,985
Prin. Invest.: M S CONRAD, H I RINGERMACHER
Tech. Officer: GRC/M MILLIS
CASE Category: 13 – PHYSICS

NCC 3 697 WASHINGTON UNIV - ST. LOUIS 6366
FLAE DESIGN - A NOVAL APPROACH TO CLEAN, EFFICIENT DIFUSSION FLAMES
03/26/1999 - 01/13/2003 FY02: $0 Total: $186,032
Prin. Invest.: R L AXELBAUM
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 777 WASHINGTON UNIV - ST. LOUIS 6367
OPTIMIZING THE CORBA COMPONENT MODEL FOR HIGH-PERF ORMANCE AND REAL-TIME APPLICATIONS
02/24/2000 - 01/20/2003 FY02: $0 Total: $100,842
Prin. Invest.: D L LEVINE
Tech. Officer: GRC/R W CLAUS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 8 85 **WASHINGTON UNIV - ST. LOUIS** **6368**
COMPOSITION EFFECTS ON PHASE FORMATION & STABILITY
04/22/1996 - 04/21/2001 FY02: $0 Total: $467,400
Prin. Invest.: K F KELTON
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 8 154 **WASHINGTON UNIV - ST. LOUIS** **6369**
COOPERATIVE AGREEMENT ENTITLED "IMAGING CALORIMETER FOR ACCESS (ICA)"
07/10/1998 - 07/09/2001 FY02: $0 Total: $119,600
Prin. Invest.: P L HINK, M H ISRAEL, R W BINNS
Tech. Officer: MSFC/M CHRISTI, MSFC/M J CHRISTL
CASE Category: 11 – ASTRONOMY

NGT 5 50170 **WASHINGTON UNIV - ST. LOUIS** **6370**
GRADUATE STUDENT RESEARCH IN X-RAY ASTRONOMY
05/22/1998 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: P L HINK
Tech. Officer: GSFC/K E BLANDING
CASE Category: 13 – PHYSICS

NGT 5 50240 **WASHINGTON UNIV - ST. LOUIS** **6371**
GRADUATE STUDENT RSCH IN COSMIC RAY ASTROPHYSICS
06/03/1999 - 06/30/2003 FY02: $0 Total: $66,000
Prin. Invest.: M ISRAEL
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50348 **WASHINGTON UNIV - ST. LOUIS** **6372**
HYDROTHERMAL ECOSYSTEMS AS ANALOGS IN THE STUDY OF ASTROBIOLOGY & EARLY LIFE ON EARTH/STUDENT: D. ME
05/07/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: J AMEND
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50386 **WASHINGTON UNIV - ST. LOUIS** **6373**
STUDIES OF THE COMPOSITION OF HEAVY COSMIC RAYS (STUDENT: LAUREN SCOTT)
06/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M ISRAEL
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50402 **WASHINGTON UNIV - ST. LOUIS** **6374**
DYNAMICS OF A GTO-ESCAPE SOLAR SAIL
06/12/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M SWARTOUT
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1851 **WILLIAM JEWELL COLL** **6375**
MOLECULAR PROBE FLUORESCENCE MONITORING OF POLYMER ZATION
09/27/2001 - 08/31/2002 FY02: $0 Total: $27,957
Prin. Invest.: P BUNTON
Tech. Officer: MSFC/M P BODIFORD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

MONTANA

NAG 2 1323 **MONTANA STATE UNIV** **6376**
SPATIO-SPECTRAL HOLOGRAPHY FOR HIGH BANDWIDTH CORR ELATORS
04/29/1999 - 04/30/2003 FY02: $0 Total: $5,096,000
Prin. Invest.: L H SPANGLER
Tech. Officer: ARC/V C VANDERBILT, ARC/D KOGA
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 4576 **MONTANA STATE UNIV** **6377**
CENTER FOR EDUCATIONAL RESOURCES
05/13/1997 - 05/31/2001 FY02: $0 Total: $999,975
Prin. Invest.: G TUTHILL
Tech. Officer: GSFC/M V PHELPS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 6110 **MONTANA STATE UNIV** **6378**
MAGNETIC HELICITY AND THE SOLAR DYNAMO
07/28/1997 - 07/31/2003 FY02: $0 Total: $975,776
Prin. Invest.: D CANFIELD
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 8807 **MONTANA STATE UNIV** **6379**
CENTER FOR STUDYING LIFE IN EXTREME ENVIRONMENTS
09/03/1999 - 08/31/2004 FY02: $0 Total: $7,002,000
Prin. Invest.: T R MCDERMOTT
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8824 **MONTANA STATE UNIV** **6380**
MOLECULAR AND GEOCHEMICAL ANALYSIS OF HOT SPRING CYANOBACTERIAL & CHLOROFLEXUS MATS AS STROMATOLITE
09/22/1999 - 10/31/2002 FY02: $0 Total: $194,200
Prin. Invest.: D M WARD
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9300 **MONTANA STATE UNIV** **6381**
MONITORING FOREST RESPONSE TO PAST & FUTURE GLOBAL CHANGE IN GREATER YELLOWSTONE
04/07/2000 - 04/30/2003 FY02: $0 Total: $207,168
Prin. Invest.: A HANSEN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9806 **MONTANA STATE UNIV** **6382**
CHANGING LANDSCAPED IN RURAL AMERICA
07/13/2000 - 08/31/2001 FY02: $0 Total: $15,000
Prin. Invest.: A HANSEN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10489 **MONTANA STATE UNIV** **6383**
THE X-RAY BRIGHT POINT: A CASE STUDY IN RECONNECTI ON
03/07/2001 - 02/28/2006 FY02: $0 Total: $91,029
Prin. Invest.: D LONGCOPE
Tech. Officer: GSFC/W WALTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10997 **MONTANA STATE UNIV** **6384**
MOSES: A SLITLESS MULTI-ORDER SOLAR EXTREME ULTRA VIOLET SPECTROGRAPH FOR FAST IMAGING SPECTROSCOPY
06/08/2001 - 05/31/2004 FY02: $0 Total: $248,122
Prin. Invest.: C C KANKELBORG
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11158 **MONTANA STATE UNIV** **6385**
LAND USE LAND CHANGE AROUND PROTECTED AREAS IN LCLUC SITES: SYNTHESIS OF RATES, CONSEQUENCES FOR
08/01/2001 - 08/14/2004 FY02: $0 Total: $61,425
Prin. Invest.: A HANSEN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11467 **MONTANA STATE UNIV** **6386**
EXPERIMENTAL TESTS OF RELATIVITY
12/13/2001 - 12/14/2003 FY02: $0 Total: $0
Prin. Invest.: R HELLINGS
Tech. Officer: GSFC/M SALAMON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11469 **MONTANA STATE UNIV** **6387**
SPECTRUM OF CONTINUOUS GRAVIATATIONAL WAVE BACKGRO UND
12/13/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: R HELLINGS
Tech. Officer: GSFC/M SALAMON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11873 **MONTANA STATE UNIV** **6388**
MAGNETIC HELICITY AND THE SOLAR DYNAMO
03/15/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: R C CANFIELD
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 12079 **MONTANA STATE UNIV** **6389**
THERMAL EVOLUTION AND RELATED PROBLEMS OF NEUTRON STARS
05/07/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: S TSURUTA
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12081 **MONTANA STATE UNIV** **6390**
DESIGNS FOR A VIRTUAL SOLAR OBSERVATORY
04/23/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: P MARTENS
Tech. Officer: GSFC/J GURMAN
CASE Category: 11 – ASTRONOMY

NAG 8 1399 **MONTANA STATE UNIV** **6391**
LARGE SCALE ORGANIZATION OF ACTIVE REGION MAGNETIC FIELDS
08/11/1997 - 08/10/2002 FY02: $0 Total: $184,330
Prin. Invest.: R C CANFIELD
Tech. Officer: MSFC/M J HAGYARD, MSFC/G A GARY
CASE Category: 11 – ASTRONOMY

NAG 9 1082 **MONTANA STATE UNIV** **6392**
RAPID BACTERIAL TESTING FOR SPACECRAFT WATER
03/03/1999 - 03/31/2003 FY02: $0 Total: $286,278
Prin. Invest.: B H PYLE
Tech. Officer: JPL/D JAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1073 **MONTANA STATE UNIV** **6393**
COMPARATIVE STUDIES OF MICROBIAL MATS: COMM COMPOSITION, PHYSIOLOGICAL & ORGANIC GEOCHEMICAL P
12/08/1998 - 12/31/2003 FY02: $0 Total: $155,454
Prin. Invest.: D M WARD
Tech. Officer: ARC/D J DES MARAIS, ARC/B BEBOUT
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NCC 2 1143 **MONTANA STATE UNIV** **6394**
BACTERIAL PHYSIOLOGY & VIRULENCE ON EARTH & IN MIC ROGRAVITY
09/19/1999 - 08/31/2003 FY02: $0 Total: $325,621
Prin. Invest.: B H PYLE
Tech. Officer: ARC/M F VASQUES, ARC/P D SAVAGE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 1181 **MONTANA STATE UNIV** **6395**
STUDENT-MENTOR PROJECTS IN SUPPORT OF NASA SHARP PROGRAM EXPERIMENTS
05/23/2000 - 12/31/2001 FY02: $0 Total: $91,357
Prin. Invest.: D CAIRNS
Tech. Officer: ARC/P KOLODZIEJ, ARC/D J RASKY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5437 **MONTANA STATE UNIV** **6396**
A MINIATURE RAMAN SPECTROMETER FOR FIELD EVALUATIO N IN ANTARCTICA AS AN ANALOGUE OF PUTATIVE MARTIA
06/25/2001 - 05/31/2002 FY02: $0 Total: $72,607
Prin. Invest.: D L DICKENSHEETS
Tech. Officer: ARC/R A GRYMES, ARC/W W DOLCI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 5445 **MONTANA STATE UNIV** **6397**
EFFECTS OF STAND-REPLACING FIRE ON MYCORRHIZAL COM MUNITIES
07/16/2001 - 06/30/2003 FY02: $0 Total: $94,660
Prin. Invest.: J HENSON
Tech. Officer: ARC/K CULLINGS, ARC/M H NEW
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NCC 5 240 **MONTANA STATE UNIV** **6398**
MONTANA EPSCOR PROGRAM
09/12/1997 - 02/28/2002 FY02: $0 Total: $1,800,000
Prin. Invest.: W HISCOCK
Tech. Officer: GSFC/D DETROYE
CASE Category: 11 – ASTRONOMY

NCC 5 410 **MONTANA STATE UNIV** **6399**
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/18/1999 - 05/31/2002 FY02: $0 Total: $450,000
Prin. Invest.: W HISCOCK
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 579 **MONTANA STATE UNIV** **6400**
MONTANA NASA EPSCOR PROGRAM
08/17/2001 - 07/31/2004 FY02: $0 Total: $463,300
Prin. Invest.: W HISCOCK
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 44 **MONTANA STATE UNIV** **6401**
TECHNOLOGY TRANSFER & COMMERCIALIZATION CTR FOR THE ROCKY MOUNTAINS & UPPER PLAINS
06/01/1996 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: W SWEARINGEN
Tech. Officer: JSC/K LASSMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 01012 **MONTANA STATE UNIV** **6402**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/15/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: V H SCHMIDT
Tech. Officer: LARC/J HARRISON
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 40092 **MONTANA STATE UNIV** **6403**
MONTANA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/28/2001 - 02/28/2005 FY02: $0 Total: $555,617
Prin. Invest.: W HISCOCK
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50297 **MONTANA STATE UNIV** **6404**
ECOLOGY & NITROGEN BIOGEOCHEMISTRY OF ANATARCTIC LAKE ICE/STUDENT: AARON D. HALL
06/27/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J C PRISCU
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9139 **MONTANA TECH OF THE UNIV OF MONTANA** **6405**
STEP CAREERS IN RESEARCH EXPLORATION PROGRAM
02/29/2000 - 02/28/2003 FY02: $0 Total: $31,730
Prin. Invest.: T MOON
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1890 **ROCKY MOUNTAIN COLL** **6406**
FEEDBACK MECHANISMS AFFECTING INTERANANNUAL VARI- ABILITY OF THE TROPICAL HYDROLOGIC CYCLE & ENERGY
09/23/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: S MCDANIEL
Tech. Officer: MSFC/F ROBINSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9102 **SALISH KOOTENAI COLL** **6407**
EARTH SYSTEM SCIENCE STUDENT RESEARCH EXPERIENCES AT SALISH KOOTENAI COLL
03/02/2000 - 01/31/2003 FY02: $0 Total: $213,103
Prin. Invest.: T S OLSON
Tech. Officer: GSFC/N K HAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9147 **SALISH KOOTENAI COLL** **6408**
NORTHERN ROCKY MOUNTAIN TRIBAL PATHWAY TO ACADEMIC EXCEL- LENCE PROGRAM
03/03/2000 - 03/14/2003 FY02: $0 Total: $200,000
Prin. Invest.: J M GOBERT
Tech. Officer: GSFC/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9368 **SALISH KOOTENAI COLL** **6409**
NASA NATIVE EARTH SYSTEMS SCIENCE CURRICULUM PROJECT (NESCP)
04/03/2000 - 03/31/2003 FY02: $0 Total: $308,847
Prin. Invest.: J M GOBERT
Tech. Officer: GSFC/B MEESON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9541 **SALISH KOOTENAI COLL** **6410**
RELATIVISTIC DISSIPATIVE FLUID THEORIES OF NEUTRON STARS
06/08/2000 - 06/14/2003 FY02: $0 Total: $48,051
Prin. Invest.: T OLSON
Tech. Officer: GSFC/D MENCHAN
CASE Category: 21 – MATHEMATICS

NAG 5 10144 **SALISH KOOTENAI COLL** **6411**
ASTRONOMY & ASTROPHYSICS COURSE DEVELOPMENT AT SAL ISH KOOTENAI COLL
12/11/2000 - 12/31/2002 FY02: $0 Total: $12,852
Prin. Invest.: T S OLSON
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 44 – CIVIL ENGR

NAG 5 12205 **SALISH KOOTENAI COLL** **6412**
CENTER FOR REMOTE SENSING OF TRIBAL LANDS: NASA GO DDARD RESEARCH EXPERIENCE FOR SKU STUDENTS
05/29/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: T S OLSON
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1531 **UNIV OF MONTANA** **6413**
UNDERSTANDING THE EFFECT OF LAND COVER CLASSIFICAT ION ON MODEL ESTIMATES OF REGIONAL CARBONCYCLING
01/03/2002 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: J S KIMBALL
Tech. Officer: ARC/C S POTTER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8599 **UNIV OF MONTANA** **6414**
THE IMPACT OF VEGETATION CHANGES IN THE SAHEL ON REGIONAL SCALE HYDROLOGY
06/21/1999 - 06/30/2002 FY02: $0 Total: $140,734
Prin. Invest.: S W RUNNING
Tech. Officer: GSFC/E G ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9062 **UNIV OF MONTANA** **6415**
EARTH SCIENCE ENTERPRISE RESEARCH PROGRAM
02/15/2000 - 02/14/2003 FY02: $0 Total: $199,675
Prin. Invest.: W R SNYDER
Tech. Officer: GSFC/B MEESON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9332 **UNIV OF MONTANA** **6416**
DEVELOPMENT SPRAWL IMPACTS ON THE TERRESTRIAL CARBON DYNAM- ICS OF THE UNITED STATES
03/23/2000 - 04/30/2003 FY02: $0 Total: $77,873
Prin. Invest.: R NEMANI
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9333 **UNIV OF MONTANA** **6417**
MONITORING BOREAL LANDCOVER AND ECOSYSTEM DYNAMICS AT REGIONAL SCALES USING INTEGRATED SPACEBORNE
03/23/2000 - 04/30/2003 FY02: $0 Total: $34,000
Prin. Invest.: J KIMBALL
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11256 **UNIV OF MONTANA** **6418**
A SATELLITE MICROWAVE REMOTE SENSING MEASURE OF HI GH LATITUDE GROWING SEASONS FOR IMPROVED ASSESS
08/16/2001 - 08/31/2004 FY02: $0 Total: $165,352
Prin. Invest.: S RUNNING
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11525 **UNIV OF MONTANA** **6419**
AUTOMATED TESTING AND QUANTITIATIVE TESTING EVALUA TION OF REAL-TIME SYSTEMS USING SIMULATION
01/08/2002 - 01/14/2004 FY02: $0 Total: $0
Prin. Invest.: D HENRY
Tech. Officer: GSFC/K MCGILL
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 12540 **UNIV OF MONTANA** **6420**
EOS NATURAL RESOURCE/EDUCATION TRAINING CENTER
09/04/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S W RUNNING
Tech. Officer: GSFC/W TURNER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12624 **UNIV OF MONTANA** **6421**
EOS EDUCATION PROJECT/CONGRESSIONAL EARMARK
09/30/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: R VAN DEN POL
Tech. Officer: GSFC/W TURNER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1112 **UNIV OF MONTANA** **6422**
INST FOR THE STUDY OF BIOMAKERS IN ASTROMATERIALS
05/11/1999 - 05/13/2003 FY02: $0 Total: $38,353
Prin. Invest.: N C HINMAN
Tech. Officer: JSC/E K GIBSON
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG13 02002 **UNIV OF MONTANA** **6423**
DEVELOPING A BIOSPHERIC NOWCAST AND FORECAST CAPAB ILITY FOR THE CONTERMINIOUS U.S.
11/30/2001 - 09/28/2004 FY02: $0 Total: $0
Prin. Invest.: R NEMANI
Tech. Officer: SSC/C HALL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 31368 **UNIV OF MONTANA** **6424**
EOS MODIS INVESTIGATION FROM DR. STEVE RUNNING
01/07/1992 - 06/14/2003 FY02: $0 Total: $4,369,500
Prin. Invest.: S W RUNNING
Tech. Officer: GSFC/H OSEROFF
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 1263 **UNIV OF MONTANA** **6425**
INTELLIGENT PARAMETERIZATION & REAL-TIME EXECUTION OF ECOSYSTEM MODELS
05/07/2001 - 11/30/2002 FY02: $0 Total: $100,849
Prin. Invest.: R NEMANI
Tech. Officer: ARC/K P GOODEN, ARC/M A SCHWABACHER
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5397 **UNIV OF MONTANA** **6426**
AUTOMATED TESTING OF MATRIXX MODELS
09/07/2000 - 02/28/2001 FY02: $0 Total: $12,162
Prin. Invest.: J HENRY
Tech. Officer: ARC/A PATTERSON-HINE, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 382 **UNIV OF MONTANA** **6427**
INTERNATIONAL EOS NATURAL RESOURCE TRAINING CENTER
02/19/1999 - 08/31/2002 FY02: $0 Total: $8,174,400
Prin. Invest.: S W RUNNING
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30395 **UNIV OF MONTANA** **6428**
FORECASTING THE EFFECTS OF CLIMATE CHANGE ON EMERG ING INFECTIOUS DISEASE: A HANTAVIRUS MODEL
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S RUNNING
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50225 **UNIV OF MONTANA** **6429**
MODELING NOVEL FT-IR SPECTROSCOPIC MEASUREMENTS OF OXYGENATED HYDROCARBON LEVELS FROM BIO
09/29/1998 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: R J FIELD
Tech. Officer: GSFC/M Y WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50329 **UNIV OF MONTANA** **6430**
BIOGEOCHEMISTRY OF RECREATIONAL GRASSLANDS STUDENT: CRISTINA MILESI
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: S RUNNING
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NEBRASKA

NAG 2 1353 **CREIGHTON UNIV** **6431**
EFFECTS OF GRAVITY ON VESTIBULAR DEVELOPMENT IN MI CE
07/22/1999 - 07/31/2003 FY02: $0 Total: $484,874
Prin. Invest.: B FRITSZCH
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 1 01087 **UNIV OF NEBRASKA - LINCOLN** **6432**
OPTIMAL EXPERIMANTAL DESIGN FOR THERMAL CHARACTER- IZATION OF FUNCTIONALLY GRADEDMATERIALS
05/30/2001 - 09/30/2002 FY02: $0 Total: $29,437
Prin. Invest.: K D COLE
Tech. Officer: LARC/M L BLOXXER
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2219 UNIV OF NEBRASKA - LINCOLN 6433
ATOMIC OXYGEN ULTRAVIOLET, AND THERMAL CYCLING EFF ECTS ON SPACE MATERIALS
12/28/1998 - 10/31/2002 FY02: $0 Total: $145,001
Prin. Invest.: J A WOOLLAM
Tech. Officer: GRC/D A JAWORSKE
CASE Category: 13 – PHYSICS

NAG 5 6506 UNIV OF NEBRASKA - LINCOLN 6434
MRK 42 AND MRK 957: TWO EXTREME NARROW-LINE STRONG FE II EMITTING QUASARS - ASCA PROPOSAL AO5
11/17/1997 - 10/31/2002 FY02: $0 Total: $17,800
Prin. Invest.: M GASKELL
Tech. Officer: GSFC/N WHITE
CASE Category: 11 – ASTRONOMY

NAG 5 6990 UNIV OF NEBRASKA - LINCOLN 6435
CHARACTERIZATION AND IMPROVEMENT OF EOS LAND PRODU CTS USING MEASUREMENTSAT AMERIFLUX GRASSLAND AND
02/25/1998 - 02/28/2003 FY02: $0 Total: $505,000
Prin. Invest.: E WALTER-SHEA
Tech. Officer: GSFC/D C WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8677 UNIV OF NEBRASKA - LINCOLN 6436
"COMPRESSION FOR LAND USE DATA". GSFC CONTROL NO. 5-3491. FUNDS FOR UNSOLICITED PROPOSAL W/UNIV NE
07/09/1999 - 09/30/2001 FY02: $0 Total: $50,131
Prin. Invest.: K SAYOOD
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9834 UNIV OF NEBRASKA - LINCOLN 6437
ROBUST COMPRESSION FOR LAND USE DATA
07/28/2000 - 09/30/2002 FY02: $0 Total: $60,546
Prin. Invest.: K SAYOOD
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10408 UNIV OF NEBRASKA - LINCOLN 6438
"CONTEXT BASED COMPRESSION SCHEME"
04/05/2001 - 07/14/2002 FY02: $0 Total: $50,000
Prin. Invest.: K SAYOOD
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11147 UNIV OF NEBRASKA - LINCOLN 6439
CONSEQUENCES OF INSTAL CHANGE: LAND-COVER DYNAMICS IN KAZAKHSTAN 1960-2000
07/31/2001 - 08/14/2004 FY02: $0 Total: $89,949
Prin. Invest.: A GITELSON
Tech. Officer: GSFC/G GUTMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12277 UNIV OF NEBRASKA - LINCOLN 6440
MULTISTAGE COMPRESSION
07/11/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: K SAYOOD
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1310 UNIV OF NEBRASKA - LINCOLN 6441
USE OF FEMOTOSECOND LASERS IN THE CURATION & ALLOCATION OD SAMPLES COLLECTED BY UPCOMING PLANET
06/06/2001 - 06/08/2004 FY02: $0 Total: $34,995
Prin. Invest.: D R ALEXANDER
Tech. Officer: JSC/F HORZZ, JSC/J JONES
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 2 5304 UNIV OF NEBRASKA - LINCOLN 6442
TRANSPORT IN QUANTUM STRUCUTRES: QUASI TWO DIMENS IONAL DEVICES
01/11/1999 - 12/31/2001 FY02: $0 Total: $126,973
Prin. Invest.: S BANDYOPADHYAY
Tech. Officer: ARC/M MEYYAPPAN
CASE Category: 13 – PHYSICS

NCC 5 169 UNIV OF NEBRASKA - LINCOLN 6443
THE NEBRASKA INITIATIVE FOR AEROSPACE RESEARCH AND DEVELOPMENT
12/05/1996 - 05/14/2002 FY02: $0 Total: $2,500,000
Prin. Invest.: B D BOWEN
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 430 UNIV OF NEBRASKA - LINCOLN 6444
"AMERICA'S FARM" A PROTOTYPE FOR OTHER NATIONAL CY BER-EDUCATIONAL SITES IN RESPONSE TO NASA COOPERA
09/20/1999 - 09/30/2002 FY02: $0 Total: $518,228
Prin. Invest.: D C RUNDQUIST
Tech. Officer: GSFC/R E GABRYS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC13 98003 UNIV OF NEBRASKA - LINCOLN 6445
AN INITIATIVE TO CREATE AN AFFILIATED RESEARCH CENTER PROGRAM
08/17/1998 - 03/31/2002 FY02: $0 Total: $622,399
Prin. Invest.: RUNDQUIST
Tech. Officer: SSC/A PEEK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30358 UNIV OF NEBRASKA - LINCOLN 6446
LANDFORM EVOLUTION OF THE LOWER MISSISSIPPI RIVER VALLEY IN RESPONSE TO DEGLACIATION/STUDENT: TAMMY
08/23/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: M BLUM
Tech. Officer: GSFC/M Y WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 401 UNIV OF NEBRASKA-OMAHA 6447
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/13/1999 - 09/30/2001 FY02: $0 Total: $450,000
Prin. Invest.: B BROWN
Tech. Officer: HQ/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 572 UNIV OF NEBRASKA-OMAHA 6448
NEBRASKA NASA EPSCOR PROGRAM
07/20/2001 - 07/31/2004 FY02: $0 Total: $700,000
Prin. Invest.: B D BOWEN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40037 UNIV OF NEBRASKA-OMAHA 6449
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
02/13/1997 - 02/28/2001 FY02: $0 Total: $1,040,150
Prin. Invest.: B D BOWEN
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40104 UNIV OF NEBRASKA-OMAHA 6450
NEBRASKA SPACE GRANT COLL & FELLOWSHIP PROGRAM
03/01/2001 - 02/28/2005 FY02: $0 Total: $277,650
Prin. Invest.: B D BOWEN
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NEVADA

NAG 1 2046 UNIV. OF NEVADA - DESERT RES. INST, RENO 6451
MICROPHYSICS AND RADIATIVE PROPERTIES OF CIRRUS: INSTRUMENTATION AND ANALYSIS/PREVIOUS # NAG-1-1707
04/01/1998 - 08/03/2002 FY02: $0 Total: $212,000
Prin. Invest.: J HALLETT
Tech. Officer: LARC/D S MCDOUGAL, LARC/J RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2183 UNIV. OF NEVADA - DESERT RES. INST, RENO 6452
CLOUD CONDENSATION NUCLEI FIRE III MY 1/2
04/19/1999 - 06/03/2002 FY02: $0 Total: $100,000
Prin. Invest.: J G HUDSON
Tech. Officer: LARC/V E DELNORE, LARC/J RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7870 UNIV. OF NEVADA - DESERT RES. INST, RENO 6453
INTEGRATING MODELING AND REMOTE SENSING FOR MONITO RING POTENTIAL RESPONSES TO CLIMATE CHANGE
01/20/1999 - 12/31/2002 FY02: $0 Total: $158,378
Prin. Invest.: G L DANA
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7973 UNIV. OF NEVADA - DESERT RES. INST, RENO 6454
IN SITU MICROPHYSICAL OBSERVATIONS IN SUPPORT OF THE TRMM/KWAJEX FIELD CAMPAIGN
01/03/1999 - 09/30/2002 FY02: $0 Total: $349,841
Prin. Invest.: J HALALETT
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9716 UNIV. OF NEVADA - DESERT RES. INST, RENO 6455
ANALYSIS AND INTEGRATION OF IN SITU MICROPHYSICAL OBSERVATIONS FROM THE TRMM/KWAJEX FIELD CAMPAIGN
06/22/2000 - 06/14/2003 FY02: $0 Total: $305,764
Prin. Invest.: D KINGSMILL
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10445 UNIV. OF NEVADA - DESERT RES. INST, RENO 6456
AN AQUEOUS GEOCHEMICAL MODEL FOR COLD PLANETS
02/20/2001 - 02/28/2004 FY02: $0 Total: $65,000
Prin. Invest.: G M MARION
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 8 1718 UNIV. OF NEVADA - DESERT RES. INST, RENO 6457
RESEARCH ENTITLED, "SHEAR FLOW STABILIZED LASER- IGNITED Z-PINCH"
04/27/2000 - 04/26/2003 FY02: $0 Total: $67,000
Prin. Invest.: F WINTERBERG
Tech. Officer: MSFC/F THIO
CASE Category: 13 – PHYSICS

NAG13 02017 UNIV. OF NEVADA - DESERT RES. INST, RENO 6458
DEVELOPMENT AND TRANSFER OF INSAR AND GPS APPLICAT IONS TO LOCAL GOVERNMENT IN NEVADA
03/05/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: J W BELL
Tech. Officer: SSC/W GRAHAM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 486 UNIV. OF NEVADA - DESERT RES. INST, RENO 6459
HYPERSPECTRAL MONITORING OF INVASIVE NON-NATIVE PLANT SPECIES
04/06/2000 - 09/30/2002 FY02: $18,252 Total: $129,218
Prin. Invest.: K C MCGWIRE
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40038 UNIV. OF NEVADA - DESERT RES. INST, RENO 6460
NATIONAL SPACE GRANT COLL & FELLOWSHIP PROGRAM
01/24/1997 - 02/28/2001 FY02: -$7,595 Total: $793,530
Prin. Invest.: J V TARANIK
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 6727 UNIV OF NEVADA - LAS VEGAS 6461
LABORATORY STUDIES OF THERMAL ENERGY CHARGE TRANSF ER OF CARBON, IRON, SULPHUR, AND NITROGEN IONS IN
12/11/1997 - 12/31/2001 FY02: $0 Total: $310,200
Prin. Invest.: V H KWONG
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 9489 UNIV OF NEVADA - LAS VEGAS 6462
DEVELOPMENT OF THE CONTENT-BASED IMAGE QUERYING TO OLS: TOWARD ADVANCED DATABASES FOR ASTRONOMICAL
04/17/2000 - 04/14/2003 FY02: $0 Total: $80,000
Prin. Invest.: S LATIFI
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11990 UNIV OF NEVADA - LAS VEGAS 6463
LABORATORY STUDIES OF THERMAL ENERGY CHARGE TRANSFER OF MULTIPLY CHARGED IONS IN ASTROPHYSICAL
04/10/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: V KWONG, V KWONG
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 5 31231 UNIV OF NEVADA - LAS VEGAS 6464
STIS CO-INVESTIGATOR SUPPORT
08/30/1991 - 12/31/2002 FY02: $0 Total: $1,023,301
Prin. Invest.: D WEISTROP
Tech. Officer: GSFC/D VITAGLIANO
CASE Category: 11 – ASTRONOMY

NAG 5 6881 **UNIV OF NEVADA - RENO** **6465**
NUMERICAL GEOMECHANICS STUDIES OF PLANETARY FAULTI NG
02/27/1998 - 12/31/2000 FY02: $0 Total: $164,302
Prin. Invest.: R SCHULTZ
Tech. Officer: GSFC/P ROGERS
CASE Category: 11 – ASTRONOMY

NAG 5 8267 **UNIV OF NEVADA - RENO** **6466**
GEOMETRY AND MECHANICS OF FAULTING ON MARS
02/24/1999 - 06/30/2002 FY02: $0 Total: $279,000
Prin. Invest.: R SCHULTZ
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9001 **UNIV OF NEVADA - RENO** **6467**
COMPREHENSIVE STRUCTURAL MODEL FOR PLANETARY WRINK LE RIDGES
02/03/2000 - 06/30/2003 FY02: $0 Total: $80,100
Prin. Invest.: R A SCHULTZ
Tech. Officer: GSFC/D SENSKE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9127 **UNIV OF NEVADA - RENO** **6468**
CONCURRENT ANALYSIS OF MULTI- & HYPERSPECTRAL DATA SETS OF ANTARCTICA
02/25/2000 - 12/31/2001 FY02: $0 Total: $31,900
Prin. Invest.: W M CALVIN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9298 **UNIV OF NEVADA - RENO** **6469**
ALTERATION MINEROLOGY OF MARS: SPECTROSCOPIC ANALY SIS AND INTERPRETATION
04/27/2000 - 04/30/2001 FY02: $0 Total: $55,100
Prin. Invest.: W CALVIN
Tech. Officer: GSFC/J A GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9467 **UNIV OF NEVADA - RENO** **6470**
AN AQUEOUS GEOCHEMICAL MODEL FOR COLD PLANETS
04/18/2000 - 04/14/2001 FY02: $0 Total: $33,250
Prin. Invest.: G M MARION
Tech. Officer: GSFC/J A GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9498 **UNIV OF NEVADA - RENO** **6471**
GLOBAL ASSESSMENT OF VOLCANIC DEBRIS FLOW HAZARDS FROM SPACE: EVALUATIONOF NEW MULTISPECTRAL AND HYP
04/27/2000 - 03/31/2003 FY02: $0 Total: $81,821
Prin. Invest.: R J WATTERS
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10290 **UNIV OF NEVADA - RENO** **6472**
ICES & ALTERATION MINERALS IN THE SOLAR SYSTEM: SPECTROSCOPIC ANALYSIS & INTERPRETATION
01/29/2001 - 01/31/2002 FY02: $0 Total: $43,000
Prin. Invest.: W CALVIN
Tech. Officer: GSFC/D SENKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10926 **UNIV OF NEVADA - RENO** **6473**
GEOMECHANICS STUDIES OF PLANETARY FAULTING: MECHANISMS OF DEFORMATION ON MARS AND EUROPA
05/14/2001 - 06/30/2002 FY02: $0 Total: $36,000
Prin. Invest.: R A SCHULTZ
Tech. Officer: GSFC/D A SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11447 **UNIV OF NEVADA - RENO** **6474**
GEOMECHANICS OF SOFT ROCK FAULTING ON MARS
12/21/2001 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: R A SCHULTZ
Tech. Officer: GSFC/D A SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11491 **UNIV OF NEVADA - RENO** **6475**
MARS ALTERATION ANALOGS: ACID WEATHERING OF BASALTIC ANDES-ITES AND IRON FORMATION
12/27/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: W CALVIN
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12222 **UNIV OF NEVADA - RENO** **6476**
FUTURE MECHANICAL MODELING OF MARTIAN STRUCTURES & THE 4-D TECTONICS THARSIS
05/20/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: R A SCHULTZ
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12223 **UNIV OF NEVADA - RENO** **6477**
SPECTRAL PROPERTIES OF THE NORTH POLAR REGION OF M ARS
05/20/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: W M CALVIN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 9 1340 **UNIV OF NEVADA - RENO** **6478**
STEM CELL PLASTICITY UNDER SIMULATED MICROGRAVITY
08/01/2001 - 09/30/2004 FY02: $0 Total: $51,000
Prin. Invest.: G ALMEIDA-PORADA
Tech. Officer: JSC/D RISIN
CASE Category: 43 – CHEMICAL ENGR

NCC 2 5408 **UNIV OF NEVADA - RENO** **6479**
MEASURING CHANGES IN LOCAL VOLUMETRIC BONE DENSITY
11/24/2000 - 11/14/2002 FY02: $0 Total: $23,750
Prin. Invest.: E WANG
Tech. Officer: ARC/R T WHALEN, ARC/E M HOLTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5443 **UNIV OF NEVADA - RENO** **6480**
TESTING/DIRECT OSMOTIC CONCENTRATION
07/16/2001 - 01/31/2003 FY02: $0 Total: $20,684
Prin. Invest.: V D ADAMS, J G CURTIS, A E CHILDRESS
Tech. Officer: ARC/M T FLYNN, ARC/J W FISHER
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 5503 **UNIV OF NEVADA - RENO** **6481**
ALLOCATION OF ATTENTIONAL RESOURCES IN THE COCKPIT ENVIRONMENT
07/19/2002 - 07/14/2003 FY02: $0 Total: $0
Prin. Invest.: M A CROGNALE
Tech. Officer: ARC/J B MULLIGAN, ARC/L STONE
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 3 750 **UNIV OF NEVADA - RENO** **6482**
ACOUSTIC TOMOGRAPHY FOR JET ENGINES/TURBINES: PRO OF OF CONCEPT
12/15/1999 - 09/30/2002 FY02: $0 Total: $119,564
Prin. Invest.: J A KLEPPE
Tech. Officer: GRC/G FRALICK
CASE Category: 46 – MECHANICAL ENGR

NGT 5 30385 **UNIV OF NEVADA - RENO** **6483**
EVAPORATION AND CARBON DIOXIDE FLUX MEASUREMENTS A T THE SALAR DE ATACAMA, NORTHERN CHILE/STE
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S TYLER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40113 **UNIV OF NEVADA - RENO** **6484**
NEVADA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/12/2001 - 02/28/2005 FY02: $7,595 Total: $213,720
Prin. Invest.: J V TARANIK
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50362 **UNIV OF NEVADA - RENO** **6485**
SYNTHESIS OF HYPERSPECTRAL AND MULTISPECTRAL IMAGE DATA FOR THE IDENTIFICATION OF FOSSIL AND ACTIVE
05/31/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: W CALVIN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 397 **UNIV OF NEVADA SYSTEM** **6486**
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/24/1999 - 06/30/2002 FY02: $0 Total: $450,000
Prin. Invest.: J TARANKI
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 583 **UNIV OF NEVADA SYSTEM** **6487**
NEVADA NASA EPSCOR PROGRAM
08/27/2001 - 08/31/2004 FY02: $0 Total: $508,600
Prin. Invest.: J V TARANIK
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NEW HAMPSHIRE

NAG 2 1420 **DARTMOUTH COLL** **6488**
TRANSCRIPTIONAL REGULATIONS & EVOLUTION OF BILATER IAN BODY PLANS
07/13/2000 - 12/31/2002 FY02: $0 Total: $134,855
Prin. Invest.: K PETERSON, E H DAVIDSON
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 4529 **DARTMOUTH COLL** **6489**
DISPERSIVE ALFVEN DYNAMICS OF THE MAGNETOSPHERE-IO
05/09/1997 - 08/31/2001 FY02: $0 Total: $251,535
Prin. Invest.: D LOTKO
Tech. Officer: GSFC/M M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 5238 **DARTMOUTH COLL** **6490**
SOUNDING OF THE ION ENERGIZATION REGION: RESOLVING AMBIGUITIES (SIERRA)
05/11/1999 - 05/10/2003 FY02: $0 Total: $166,055
Prin. Invest.: J W LABELLE
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5239 **DARTMOUTH COLL** **6491**
FIRST YEAR FUNDING FOR "ROCKET AURORAL CORRELATOR EXPERIMENT (RACE) PI DR. JAMES LABELLE
05/19/1999 - 05/18/2003 FY02: $0 Total: $263,637
Prin. Invest.: J W LABELLE
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5318 **DARTMOUTH COLL** **6492**
HIGH BANDWIDTH AURORAL ROCKET (HI-BAR) HIGH BANDWIDTH AURORAL ROCKET (HI-BAR)
02/14/2001 - 02/12/2004 FY02: $0 Total: $69,098
Prin. Invest.: J W LABELLE
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5367 **DARTMOUTH COLL** **6493**
SVALBARD EISCAT ROCKET STUDY OF ION OUTFLOWS (SERS IO)
07/29/2002 - 07/21/2005 FY02: $0 Total: $0
Prin. Invest.: M LESSARD
Tech. Officer: GSFC/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5382 **DARTMOUTH COLL** **6494**
SVALBARD EISCAT ROCKET STUDY OF ION OUTFLOWS: SER SIO
07/29/2002 - 07/21/2005 FY02: $0 Total: $0
Prin. Invest.: K LYNCH
Tech. Officer: GSFC/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 7185 **DARTMOUTH COLL** **6495**
APPROXIMATELY TWO-DIMENSIONAL, COHERENT STRUCTURES IN SPACE PLASMAS: THE INVERSE PROBLEM
03/25/1998 - 03/31/2002 FY02: $0 Total: $213,222
Prin. Invest.: B U SONNERUP
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 7442 **DARTMOUTH COLL** **6496**
A THEORETICAL STUDY OF THE GLOBAL GEOSPACE SYSTEM
06/02/1998 - 09/30/2001 FY02: $0 Total: $585,630
Prin. Invest.: M HUDSON
Tech. Officer: GSFC/S CURTIS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 7689 DARTMOUTH COLL 6497
NONADIABATIC CHANGES IN RADIATION BELT POPULATIONS
09/14/1998 - 09/30/2001 FY02: $0 Total: $215,592
Prin. Invest.: M K HUDSON
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 7803 DARTMOUTH COLL 6498
MULTIPOINT, MULTI-INSTRUMENT STUDY OF AURORAL ALFVENIC PROCESSES (SEC GI PROGRAM) NRA-98-03-S
11/09/1998 - 03/31/2002 FY02: $0 Total: $284,369
Prin. Invest.: W LOTKO
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 8441 DARTMOUTH COLL 6499
RESEARCH:"ULTRA LOW FREQUENCY MAGNETOSPHERIC PHYSI CS-...".FIRST YEAR OF THREE YEAR FUNDING CYCLE. P
04/08/1999 - 04/14/2003 FY02: $0 Total: $980,048
Prin. Invest.: W LOTKO
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 9225 DARTMOUTH COLL 6500
THE FORMATION OF THE MILKY WAY AND ITS SATELLITE GALAXIES (LTSA 99)
03/15/2000 - 03/14/2005 FY02: $0 Total: $121,649
Prin. Invest.: B CHABOYER
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9470 DARTMOUTH COLL 6501
RIVER FLOODING AND GLOBAL ENVIRONMENTAL CHANGE: A MULTI-SENSOR APPROACH
04/14/2000 - 04/30/2003 FY02: $0 Total: $329,437
Prin. Invest.: R BRAKENRIDGE
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10216 DARTMOUTH COLL 6502
IMPACTS OF IONOSPHERIC ACTIVITY ON ULTRA-LOW-FREQU ENCY AURORAL ELECTRODYNAMICS
01/05/2001 - 01/14/2004 FY02: $0 Total: $78,513
Prin. Invest.: A V STRELTSOV
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10219 DARTMOUTH COLL 6503
A LOW-COST ROCKET-BORNE IMAGER FOR STUDIES OF AURO RAL FINE STRUCTURES
01/05/2001 - 01/14/2003 FY02: $0 Total: $69,891
Prin. Invest.: M R LESSARD
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10953 DARTMOUTH COLL 6504
EARLY FLOOD DETECTION USING QUICKSCAT AND THE DART MOUTH FLOOD OBSERVATORY
05/18/2001 - 05/31/2003 FY02: $0 Total: $59,686
Prin. Invest.: G BRAKENRIDGE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11712 DARTMOUTH COLL 6505
A THEORETICAL STUDY OF THE GLOBAL GEOSPACE SYSTEM
02/21/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: M K HUDSON
Tech. Officer: GSFC/S A CURTIS
CASE Category: 13 – PHYSICS

NAG 5 11735 DARTMOUTH COLL 6506
ULTRA-LOW-FREQUENCY MAGNETOSPHERIC PHYSICS.
02/28/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: W LOTKO
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 11825 DARTMOUTH COLL 6507
MASS DENSITY ALONG FIELD LINES
03/07/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: R E DENTON
Tech. Officer: GSFC/J SHARBER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12005 DARTMOUTH COLL 6508
RECONSTRUCTION OF COHERENT TWO-DIMENSIONAL SPACE P LASMA STRUCTURES
04/11/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: B O SONNERUP
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12202 DARTMOUTH COLL 6509
A STUDY OF GEOMAGNETIC STORMS USING GLOBAL MHD AND KENTIC RADIATION BELTSIMULATIONS
05/15/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: M K HUDSON
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12325 DARTMOUTH COLL 6510
ONE YEAR FUNDING FOR UNSOLICITED PROPOSAL "MODIS RAPID RESPONSE CAPABILITIES: APPLICATION TO FLOOD
08/12/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: G BRAKENRIDGE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 8 1590 DARTMOUTH COLL 6511
R/S IN SITU OPTICAL WAVEGUIDES FOR MONITORING AND MODIFYING PROTEIN CRYSTAL GROWTH
01/28/1999 - 09/30/2002 FY02: $0 Total: $305,299
Prin. Invest.: U J GIBSON
Tech. Officer: MSFC/H K HIGGINBOTTAM, MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1088 DARTMOUTH COLL 6512
LIFE SCIENCES DATA ARCHIVE SCIENTIFIC SUPPORT
03/15/1999 - 09/30/2002 FY02: $0 Total: $261,091
Prin. Invest.: J BUCKEY
Tech. Officer: JSC/D BELL
CASE Category: 56 – MEDICL

NAG 9 1387 DARTMOUTH COLL 6513
OTOACOUSTIC HEARING OF SPACE STATION CREWS
09/24/2001 - 08/31/2004 FY02: $0 Total: $85,004
Prin. Invest.: J BUCKLEY
Tech. Officer: JSC/C LLYOD
CASE Category: 56 – MEDICL

NAG13 00041 DARTMOUTH COLL 6514
LIMITED AREA OPERATIONAL COASTAL OCEAN MODELS SAME
09/06/2000 - 09/05/2002 FY02: $0 Total: $234,724
Prin. Invest.: D R LYNCH
Tech. Officer: SSC/C DEL CASTILLO
CASE Category: 33 – OCEANOGRAPHY

NCC 1 01045 DARTMOUTH COLL 6515
DATA-BASED OPTIMAL CONTROL & FAULT DETECTION TECHNIQUES FOR AEROSPACE SYSTEMS
06/12/2001 - 02/14/2004 FY02: $0 Total: $56,000
Prin. Invest.: M Q PHAN
Tech. Officer: LARC/D D MOERDER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 50403 DARTMOUTH COLL 6516
SIMULATING THREE DIMENSIONAL RADIATION BELT DYNAMICS/STUDENT: KARA PERRY
07/15/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M HUDSON
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 384 SAINT ANSELM COLL 6517
GROUND-BASED TESTING OF A PROTOTYPE HOLOGRAPHIC AT MOSPHERIC SCANNER FOR ENVIRONMENTAL REMOTESENSIN
03/05/1999 - 08/31/2002 FY02: $0 Total: $34,700
Prin. Invest.: D GUERRA
Tech. Officer: GSFC/A J NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4785 UNIV OF NEW HAMPSHIRE - DURHAM 6518
AN INTEGRATED SYSTEM FOR WATER BUDGET CLOSURE OVER MASS: A TRMM VALIDATION EFFORT
07/03/1997 - 12/31/2001 FY02: $0 Total: $234,500
Prin. Invest.: C VOROSMARTY
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 5117 UNIV OF NEW HAMPSHIRE - DURHAM 6519
THE TIGRE INSTRUMENT FOR INTERMEDIATE-ENERGY GAMMA-RAY ASGTRONOMY FOR 0.3 TO 100MEV
04/18/1997 - 11/30/2002 FY02: $0 Total: $175,972
Prin. Invest.: J RYAN
Tech. Officer: GSFC/H NEEDLEMAN, GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5147 UNIV OF NEW HAMPSHIRE - DURHAM 6520
MINUTE OF ARC RESOLUTION GAMMA-RAY IMAGING EXPERIMENT (MARGIE)
07/02/1997 - 06/30/2001 FY02: $0 Total: $150,000
Prin. Invest.: J RYAN
Tech. Officer: GSFC/H NEEDLEMAN
CASE Category: 13 – PHYSICS

NAG 5 5212 UNIV OF NEW HAMPSHIRE - DURHAM 6521
ULDB COMPTON TELESCOPE MISSION
09/22/1998 - 06/30/2002 FY02: $0 Total: $60,000
Prin. Invest.: J M RYAN
Tech. Officer: WFF/B A MERRITT
CASE Category: 11 – ASTRONOMY

NAG 5 5234 UNIV OF NEW HAMPSHIRE - DURHAM 6522
DUST DARTS PI DR. KRISTINA LYNCH
02/12/1999 - 12/31/2002 FY02: $0 Total: $353,595
Prin. Invest.: K LYNCH
Tech. Officer: GSFC/W JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5237 UNIV OF NEW HAMPSHIRE - DURHAM 6523
SOUNDING OF THE ION ENERGIZATION REGION: RESOLVING AMBIGUITIES (SIERRA)
05/11/1999 - 11/10/2003 FY02: $0 Total: $424,715
Prin. Invest.: R L ARNOLDY
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5324 UNIV OF NEW HAMPSHIRE - DURHAM 6524
A WIDE FIELD-OF-VIEW HARD X-RAY POLARIMETER FOR STUDYING GAMMA-RAY BURSTS
03/21/2001 - 12/31/2003 FY02: $0 Total: $75,000
Prin. Invest.: M L MCCONNELL
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5326 UNIV OF NEW HAMPSHIRE - DURHAM 6525
DEVELOPMENT OF CZT STRIP DETECTORS FOR HARD X-RAY IMAGING WITH MARGIE
03/21/2001 - 12/31/2004 FY02: $0 Total: $130,000
Prin. Invest.: J M RYAN
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5327 UNIV OF NEW HAMPSHIRE - DURHAM 6526
DEVELOPMENT OF CZT STRIP DETECTORS FOR HARD X-RAY AND GAMMA-RAY IMAGING SPECTROSCOPY PI PRO
08/09/2001 - 12/31/2003 FY02: $0 Total: $250,000
Prin. Invest.: J RYAN
Tech. Officer: WFF/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5358 UNIV OF NEW HAMPSHIRE - DURHAM 6527
CONTINUED DEVELOPMENT OF SCINTILLATING FIBER DETEC TORS FOR GAMMA-RAY ASTRONOMY.
07/15/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: J RYAN
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5381 UNIV OF NEW HAMPSHIRE - DURHAM 6528
SVALBARD EISCAT ROCKET STUDY OF ION OUTFLOWS: SER SIO
07/29/2002 - 07/21/2005 FY02: $0 Total: $0
Prin. Invest.: K LYNCH
Tech. Officer: GSFC/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6137 UNIV OF NEW HAMPSHIRE - DURHAM 6529
TRANSFER FUNDS TO UNIV OF NEW HAMPSHIRE IN S ENTITLED: CHANGES IN BIOGEOCHEMICAL CYCLES
08/11/1997 - 05/31/2002 FY02: $0 Total: $6,253,073
Prin. Invest.: B MOORE, III
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6289 UNIV OF NEW HAMPSHIRE - DURHAM 6530
DEVELOPMENT OF A PARTICLE BACKSCATTERING ALGORITHM CONCUR- RENT SHIP MEASUREMENTS, AND GLOBAL BIOGEOCH
09/10/1997 - 08/31/2002 FY02: $0 Total: $425,983
Prin. Invest.: W S BROWN
Tech. Officer: GSFC/E A LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6452 UNIV OF NEW HAMPSHIRE - DURHAM 6531
SATELLITE-BASED SYSTEMS FOR MONITORING BIOGEOCHEMI CAL FLUXES BETWEEN THECONTINENTAL LAND MASS AND C
11/04/1997 - 12/31/2000 FY02: $0 Total: $552,982
Prin. Invest.: C VOROSMARTY
Tech. Officer: GSFC/J A YODER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6453 UNIV OF NEW HAMPSHIRE - DURHAM 6532
ATMOSPHERIC IMPACTS OF AGRICULTURE: INTEGRATION OF REMOTE SENSING AND BIOGEOCHEMICAL MODELS FOR T
11/18/1997 - 12/31/2001 FY02: $0 Total: $336,476
Prin. Invest.: C LI
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6623 UNIV OF NEW HAMPSHIRE - DURHAM 6533
RADAR-BASED MEASURE OF INTERANNUAL VEGETATION PHEN OLOGY FOR MONITORING GLOBAL CHANGES RESPONSES OF
11/19/1997 - 11/30/2000 FY02: $0 Total: $83,227
Prin. Invest.: S FROLKING
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6860 UNIV OF NEW HAMPSHIRE - DURHAM 6534
WIND/SWE CONTINUED INVESTIGATIONS
02/17/1998 - 01/14/2001 FY02: $0 Total: $459,155
Prin. Invest.: R TORBERT
Tech. Officer: GSFC/K OGILVIE
CASE Category: 13 – PHYSICS

NAG 5 6935 UNIV OF NEW HAMPSHIRE - DURHAM 6535
GRANT
02/04/1998 - 07/31/2001 FY02: $0 Total: $379,492
Prin. Invest.: R B TORBERT
Tech. Officer: GSFC/M HESSE
CASE Category: 13 – PHYSICS

NAG 5 7095 UNIV OF NEW HAMPSHIRE - DURHAM 6536
SCALING PEATLAND C02 AND CH4 FLUXES FROM CHAMBERS TO THE BOREAS NORTH- ERN AND SOUTHERN STUDY AREAS
05/21/1998 - 04/30/2001 FY02: $0 Total: $218,362
Prin. Invest.: S FROLKING
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7097 UNIV OF NEW HAMPSHIRE - DURHAM 6537
STUDIES OF INTERSTELLAR PICKUP IONS IN THE SOLAR W IND
06/05/1998 - 04/30/2001 FY02: $0 Total: $220,600
Prin. Invest.: P A ISENBERG
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7631 UNIV OF NEW HAMPSHIRE - DURHAM 6538
QUANTIFYING THE ATMOSPHERIC IMPACTS OF PADDY RICE AGRICULTURE IN CHINA
08/10/1998 - 09/30/2002 FY02: $0 Total: $1,350,000
Prin. Invest.: C LI
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7792 UNIV OF NEW HAMPSHIRE - DURHAM 6539
ION ACCELERATION AND TRANSPORT IN IMPULSIVE AND GR ADUAL SOLAR FLARES
12/14/1998 - 03/31/2002 FY02: $0 Total: $166,844
Prin. Invest.: D A LEE
Tech. Officer: GSFC/D C LING
CASE Category: 11 – ASTRONOMY

NAG 5 7798 UNIV OF NEW HAMPSHIRE - DURHAM 6540
SMALL SCALE STRUCTURE OF AURORAL ELECTRIC CURRENTS -- A GUEST INVESTI- GATOR PROPOSAL TO THE FAST
12/15/1998 - 12/31/2001 FY02: $0 Total: $168,425
Prin. Invest.: D A LYNCH
Tech. Officer: GSFC/L ZANETTI
CASE Category: 11 – ASTRONOMY

NAG 5 7804 UNIV OF NEW HAMPSHIRE - DURHAM 6541
ELECTRIC FIELDS AND RING CURRENT ENERGIZATION (SEC GI PROGRAM)
11/06/1998 - 12/31/2001 FY02: $0 Total: $224,131
Prin. Invest.: V K JORDANOVA
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 8041 UNIV OF NEW HAMPSHIRE - DURHAM 6542
INVESTIGATION OF POLAR CAP AND RING CURRENT PRECIP ITATION
01/07/1999 - 01/14/2001 FY02: -$870 Total: $59,825
Prin. Invest.: R B TOBBERT
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 8228 UNIV OF NEW HAMPSHIRE - DURHAM 6543
"THEORETICAL STUDIES OF THE SOLAR ATMOSPHERE AND S OLAR WIND".
02/24/1999 - 03/14/2003 FY02: $0 Total: $1,139,914
Prin. Invest.: J V HOLLWEG
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 8443 UNIV OF NEW HAMPSHIRE - DURHAM 6544
A WATER BUDGET CLOSURE SYSTEM TO SUPPORT LBA HYDRO METEO- ROLOGY AND ECOLOGY STUDIES
04/08/1999 - 04/14/2003 FY02: $0 Total: $328,145
Prin. Invest.: C J VOROSMARTY
Tech. Officer: GSFC/P T HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8641 UNIV OF NEW HAMPSHIRE - DURHAM 6545
AN APD READOUT SCHEME FOR A SOLAR NEUTRON TRACKING DEVICE.
07/08/1999 - 06/30/2002 FY02: $0 Total: $368,600
Prin. Invest.: M L MCCONNELL
Tech. Officer: GSFC/F HERRERO
CASE Category: 13 – PHYSICS

NAG 5 8683 UNIV OF NEW HAMPSHIRE - DURHAM 6546
THE CONTRIBUTION OF SATELLITE RADAR ALTIMETRY TO THE DETERMI-NATION OF RIVER DISCHARGE & LAKE/RESSER
07/23/1999 - 07/14/2003 FY02: $80,859 Total: $213,058
Prin. Invest.: C J VOROSMARTY
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8733 UNIV OF NEW HAMPSHIRE - DURHAM 6547
CONVERSION SURFACE TECHNOLOGY FOR LOW ENERGY NEUTR AL ATOM IMAGING.
09/14/1999 - 06/30/2002 FY02: $0 Total: $352,372
Prin. Invest.: J QUINN
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 11 – ASTRONOMY

NAG 5 8828 UNIV OF NEW HAMPSHIRE - DURHAM 6548
"COOPERATION BETWEEN IGBP AND LAB: MEETING THE INTERNATIONAL CHALLENGE"
09/08/1999 - 03/14/2003 FY02: $0 Total: $214,950
Prin. Invest.: B MOORE III
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9614 UNIV OF NEW HAMPSHIRE - DURHAM 6549
MAGNETIC RECONNECTION IN SOLAR FLARES
05/16/2000 - 11/14/2001 FY02: $0 Total: $29,840
Prin. Invest.: T G FORBES
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9617 UNIV OF NEW HAMPSHIRE - DURHAM 6550
A REGIONAL INTEGRATED MONITORING SYSTEM FOR THE HYDROLOGY OF THE PAN-ARCTIC MASS
05/23/2000 - 04/30/2002 FY02: $0 Total: $214,401
Prin. Invest.: C VOROSMARTY
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9685 UNIV OF NEW HAMPSHIRE - DURHAM 6551
CONSOLIDATING THE VELA-REGION 1.809 MEV RESULTS
06/05/2000 - 08/14/2002 FY02: $0 Total: $3,500
Prin. Invest.: J RYAN
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 9689 UNIV OF NEW HAMPSHIRE - DURHAM 6552
LONG DURATION SOLAR OBSERVATIONS WITH COMPTEL
06/15/2000 - 06/14/2001 FY02: $0 Total: $5,000
Prin. Invest.: M L MCCONNELL
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 9960 UNIV OF NEW HAMPSHIRE - DURHAM 6553
CLUSTER ELECTRON DRIFT INSTRUMENT (EDI).
09/20/2000 - 10/31/2003 FY02: $60,000 Total: $927,315
Prin. Invest.: J M QUINN
Tech. Officer: GSFC/M GOLDSTEIN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10135 UNIV OF NEW HAMPSHIRE - DURHAM 6554
PREDICTING CHANGES IN REGIONAL & GLOBAL BIOGEO- CHEMICAL CYCLES
02/14/2001 - 12/31/2003 FY02: $0 Total: $800,000
Prin. Invest.: B MOORE
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10203 UNIV OF NEW HAMPSHIRE - DURHAM 6555
HARD X-RAY POLARIMETRY OF SOLAR FLARES WITH HESSI
12/28/2000 - 12/31/2003 FY02: $0 Total: $68,115
Prin. Invest.: M L MCCONNEL
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10260 UNIV OF NEW HAMPSHIRE - DURHAM 6556
A SATELLITE-BASED SYSTEM FOR MONITORING FLUXES BETWEEN THE CONTINENTAL LAND MASS & COASTAL OCEANS
02/05/2001 - 12/31/2001 FY02: $0 Total: $212,404
Prin. Invest.: C VOROSMARTY
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10360 UNIV OF NEW HAMPSHIRE - DURHAM 6557
GGS/WIND MISSION MISSIONS OPERATIONS AND DATA ANALYSIS PHASE.
02/05/2001 - 02/14/2002 FY02: $0 Total: $100,000
Prin. Invest.: R TORBERT
Tech. Officer: GSFC/K OGILVIE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10420 UNIV OF NEW HAMPSHIRE - DURHAM 6558
CONSTELLATION PATHFINDER TECHNOLOGY DEVELOPMENT: SYSTEMS INTEGRATION AND MANUFACTURABILITY.
03/12/2001 - 03/14/2003 FY02: $0 Total: $49,645
Prin. Invest.: D LYNCH
Tech. Officer: GSFC/P BUCHANAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10472 UNIV OF NEW HAMPSHIRE - DURHAM 6559
PARTICLE ENERGIZATION IN REVESE AURORA
02/27/2001 - 02/28/2004 FY02: $0 Total: $79,035
Prin. Invest.: K LYNCH
Tech. Officer: GSFC/J SPANN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10835 UNIV OF NEW HAMPSHIRE - DURHAM 6560
A NEW KINETIC MODEL FOR CORONAL HEATING AND GENERA TION OF THE FAST SOLAR WIND BY ION-CYCLOTRON
04/27/2001 - 04/30/2004 FY02: $0 Total: $94,021
Prin. Invest.: P A ISENBERG
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10883 UNIV OF NEW HAMPSHIRE - DURHAM 6561
AN ASSESSMENT OF THE FEASIBILITY OF PREDICTING MAJOR GEOMAGNETIC DISTURBANCESFROM MONITORS IN
05/03/2001 - 04/30/2004 FY02: $0 Total: $98,885
Prin. Invest.: C FARRUGIA
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10890 UNIV OF NEW HAMPSHIRE - DURHAM 6562
LOCAL INTERSTELLER MEDIUM PARAMETERS
05/10/2001 - 05/31/2004 FY02: $0 Total: $75,327
Prin. Invest.: E MOEBIUS
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10977 UNIV OF NEW HAMPSHIRE - DURHAM 6563
NUMERICAL TESTS OF ERUPTIVE CME MODELS
05/29/2001 - 05/31/2004 FY02: $0 Total: $53,067
Prin. Invest.: T G FORBES
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10988 UNIV OF NEW HAMPSHIRE - DURHAM 6564
THE ROLE OF KINETICS IN NEARLY PERPENDICULAR CASCADES
06/05/2001 - 05/31/2004 FY02: $0 Total: $86,312
Prin. Invest.: B J VASQUEZ
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11160 UNIV OF NEW HAMPSHIRE - DURHAM 6565
LAND-USE CHANGE IN TEMPERATE EAST ASIA: LAND COVER CHANGE IMPACTS ON CARBON FLUXES AND LAND PRODUCTI
08/03/2001 - 07/31/2004 FY02: $0 Total: $36,831
Prin. Invest.: X XIAO
Tech. Officer: GSFC/G Q GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11258 UNIV OF NEW HAMPSHIRE - DURHAM 6566
AIR-SEA FLUX OF CO2: EFFECTS OF SMALL-SCALE VARIAB ILITY ON LARGE-SCALE ESTIMATES
08/17/2001 - 08/31/2004 FY02: $0 Total: $133,369
Prin. Invest.: J W CAMPBELL
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11310 UNIV OF NEW HAMPSHIRE - DURHAM 6567
SCALING FOREST CARBON FLUX MEASUREMENTS FROM SITES TO LANDSCAPES: A HYPERSPECTRAL ANALYSIS OF F
08/31/2001 - 08/31/2004 FY02: $0 Total: $268,075
Prin. Invest.: S OLLINGER
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11750 UNIV OF NEW HAMPSHIRE - DURHAM 6568
A GLOBAL RAPID INTEGRATED MONITORING SYSTEM FOR WA TER CYCLE AND WATER RESOURCE ASSESSMENT (GLOBAL
02/13/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: C VOROSMARTY
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 11797 UNIV OF NEW HAMPSHIRE - DURHAM 6569
RESEARCH: "THEORETICAL STUDIES ON THE SOLAR ATMOSP HERE AND SOLAR WIND", A PART OF NASA'S SEC THEORY
04/29/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: J V HOLLWEG
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 11803 UNIV OF NEW HAMPSHIRE - DURHAM 6570
"GGS WIND"
03/07/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: R TORBERT
Tech. Officer: GSFC/K OGILVIE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11820 UNIV OF NEW HAMPSHIRE - DURHAM 6571
SUPERPOSED EPOCH ANALYSIS OF THE PLASMA SHEET
03/01/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: R L KAUFMANN
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12189 UNIV OF NEW HAMPSHIRE - DURHAM 6572
SOLAR WIND-MAGNETOSPHERE-IONOSPHERE COUPLING: OBSERVATIONS DURING MAGNETIC CONJUNCTIONS OF
05/14/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: C FARRUGIA
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12252 UNIV OF NEW HAMPSHIRE - DURHAM 6573
JOINT CENTER FOR EARTH SCIENCES EDUCATIONAL INITIA TIVE
06/05/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: B MOORE
Tech. Officer: GSFC/V V SALOMONSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12365 UNIV OF NEW HAMPSHIRE - DURHAM 6574
MULTISENSOR MEASUREMENTS OF THE TEMPORAL AND SPATI AL PATTERN OF ICE SHEET ACCUMULATION
07/22/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: M FAHNESTOCK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12369 UNIV OF NEW HAMPSHIRE - DURHAM 6575
WORKFORCE DEVELOPMENT IN REMOTE SENSING
07/10/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: D BARTLETT
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12402 UNIV OF NEW HAMPSHIRE - DURHAM 6576
QUANTIFYING THE ROLE OF OCEANIC ECOLOGICAL PROVINC ES IN ASSESSING SEASONAL AND INTERANNUAL VA
07/23/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: M DOWELL
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12408 UNIV OF NEW HAMPSHIRE - DURHAM 6577
MELT CONTRIBUTIONS TO MASS CHANGE FOR THE GREENLAN D ICE SHEET
08/01/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: M FAHNESTOCK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12451 UNIV OF NEW HAMPSHIRE - DURHAM 6578
SATELLITE-BASED SYSTEM FOR MONITORING BIOGEOCHEMIC AL FLUXES BETWEEN THE CONTINENTAL LAND MASS AND T
08/15/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: C VOROSMARTY
Tech. Officer: GSFC/C TREES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12493 UNIV OF NEW HAMPSHIRE - DURHAM 6579
DEVELOPMENT AND TESTING OF A NEW ANGLE DETECTING I NCLINED SENSOR(ADIS) SYSTEM
08/27/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J J CONNEL
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 5 00132 UNIV OF NEW HAMPSHIRE - DURHAM 6580
STEREO PHASE A CONCEPT STUDY FOR INSTIN MEASUREMENTS OF PARTICLES & CME TRANSIENT (IMPACT)
02/22/2000 - 10/31/2004 FY02: $0 Total: $1,323,609
Prin. Invest.: A GALVIN
Tech. Officer: GSFC/A HARPER
CASE Category: 13 – PHYSICS

NAS 5 26645 UNIV OF NEW HAMPSHIRE - DURHAM 6581
DEFINITION PHASE OF THE DETECTOR SUBSYSTEM FOR THE COMPTEL
08/19/1981 - 09/30/2002 FY02: $0 Total: $30,541,653
Prin. Invest.: J RYAN
Tech. Officer: GSFC/J NORRIS
CASE Category: 11 – ASTRONOMY

NAS 5 96063 UNIV OF NEW HAMPSHIRE - DURHAM 6582
MODIS-EOS DEVELOPMENT OF ALGORITHMS
07/16/1996 - 06/14/2003 FY02: $50,000 Total: $1,206,000
Prin. Invest.: J CAMPBELL
Tech. Officer: GSFC/D TOLL, GSFC/B CONBOY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 298 UNIV OF NEW HAMPSHIRE - DURHAM 6583
PEM-TROPICS B MY 1/2
04/30/1998 - 07/31/2001 FY02: $0 Total: $818,000
Prin. Invest.: R W TALBOT, J E DIBB
Tech. Officer: LARC/J M HOELL, JR., LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 410 UNIV OF NEW HAMPSHIRE - DURHAM 6584
TRACE-P DC-8 AND P3-B AIRCRAFT MY 1/3
09/13/2000 - 06/30/2003 FY02: $0 Total: $379,907
Prin. Invest.: R W TALBOT
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 02023 UNIV OF NEW HAMPSHIRE - DURHAM 6585
TROPOSPHERIC METHANE OVER THE PACIFIC BASIC DURING TRACE-P
04/04/2002 - 01/04/2003 FY02: $0 Total: $0
Prin. Invest.: K B BARTLETT
Tech. Officer: LARC/G W SACHSE, LARC/G S DISKIN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 226 UNIV OF NEW HAMPSHIRE - DURHAM 6586
TROPICAL BIOCHEMISTRY & NASA LBA ECOLOGY SCIENCE S
09/10/1997 - 12/31/2001 FY02: $0 Total: $656,894
Prin. Invest.: D BARTLETT
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 304 UNIV OF NEW HAMPSHIRE - DURHAM 6587
WEB BASED SYSTEM FOR TERRESTRIAL ENVIRONMENTAL RESEARCH
04/22/1998 - 12/31/2002 FY02: $0 Total: $3,385,000
Prin. Invest.: B MOORE
Tech. Officer: GSFC/M MAIDEN
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 5 338 UNIV OF NEW HAMPSHIRE - DURHAM 6588
MODELING THE BIOGEOCHEMICAL SYSTEM OF THE TERREST RIAL AMAZON: ISSUES FOR SUSTAINABILITY
06/23/1998 - 12/31/2002 FY02: $0 Total: $1,023,276
Prin. Invest.: B MOORE, 111
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 357 UNIV OF NEW HAMPSHIRE - DURHAM 6589
SOIL BIOGEOCHEMISTRY OF CARBON, NUTRIENTS AND TRAC E GAS IN THE AMAZON REGION OF BRAZIL: FIELD AND
08/03/1998 - 12/31/2002 FY02: $0 Total: $1,034,065
Prin. Invest.: P CRILL
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 477 UNIV OF NEW HAMPSHIRE - DURHAM 6590
EVALUATION OF HYPERSPECTRAL REQUIREMENTS FOR REMOTE ESTIMATION OF FOREST ECOSYSTEM COMPOSTITIO
03/22/2000 - 03/31/2003 FY02: $2,500 Total: $123,860
Prin. Invest.: M E MARTIN
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 499 UNIV OF NEW HAMPSHIRE - DURHAM 6591
"LENA/IMAGE" MO&DA - ON-ORBIT EVALUATION & VALIDA TION OF THE LENA INSTRUMENTOPERATION & DATA
05/03/2000 - 01/31/2001 FY02: $0 Total: $28,065
Prin. Invest.: J M QUINN
Tech. Officer: GSFC/T E MOORE
CASE Category: 11 – ASTRONOMY

NCC 5 587 UNIV OF NEW HAMPSHIRE - DURHAM 6592
VALIDATING, SCALING AND PARAMETERIZING A FOREST RE GROWTH MODEL FOR THE AMAZON REGION USING AIRCRAFT
08/30/2001 - 08/31/2004 FY02: $0 Total: $281,397
Prin. Invest.: M DUCKEY
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 608 UNIV OF NEW HAMPSHIRE - DURHAM 6593
ECOSYSTEM RESPIRATION AND TRACE GAS EXCHANGE IN UN DISTURBED AND SELECTIVELY LOGGED FORESTS
12/10/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: P CRILL
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30349 UNIV OF NEW HAMPSHIRE - DURHAM 6594
SOURCE APPORTIONMENT OF ANTHROPOGENIC AEROSOLS CON TRIBUTING TO DIRECT RADIATIVE FORCING IN SOUTHERN
08/24/2000 - 02/28/2003 FY02: $0 Total: $44,000
Prin. Invest.: J E DIBB
Tech. Officer: GSFC/M WEITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40088 UNIV OF NEW HAMPSHIRE - DURHAM 6595
NEW HAMPSHIRE SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/21/2001 - 02/28/2005 FY02: $0 Total: $685,546
Prin. Invest.: D BARTLETT
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50379 UNIV OF NEW HAMPSHIRE - DURHAM 6596
SOUNDING ROCKET STUDY OF RETURN CURRENT REGION AURORA (STUDENT: ELIZABETH MACDONAL
05/13/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: K A LYNCH
Tech. Officer: GSFC/M MELLOTT
CASE Category: 11 – ASTRONOMY

NGT 5 50381 UNIV OF NEW HAMPSHIRE - DURHAM 6597
INTERSTELLAR HE+ PICKUP ION VELOCITY DISTRIBUTION MODELING AND ANALYSIS (STUDENT: LUKAS SAUL)
05/21/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: E MOBIUS
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NEW JERSEY

NAG 1 01110 NEW JERSEY INST OF TECHNOLOGY 6598
NANOCOMPOSITES BASED ON LIQUID CRYSTALLINE POLYMERS
08/30/2001 - 09/30/2004 FY02: $0 Total: $131,933
Prin. Invest.: M JAFFE
Tech. Officer: LARC/E S WEISER, LARC/B J JENSEN
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2367 NEW JERSEY INST OF TECHNOLOGY 6599
GRAVITY AND GRANULAR MATERIALS GRAVITY AND GRANULAR MATERIALS
03/24/2000 - 11/30/2003 FY02: $0 Total: $20,333
Prin. Invest.: L KONDIC
Tech. Officer: GRC/A WILKENSEN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2459 NEW JERSEY INST OF TECHNOLOGY 6600
DATA ANALYSIS FOR REAL-TIME/POST FLIGHT HEALTH MON ITORING OF PROPULSION SYSTEMS
06/07/2000 - 08/31/2002 FY02: $0 Total: $104,419
Prin. Invest.: D P DHAWAN
Tech. Officer: GRC/E WONG
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2475 NEW JERSEY INST OF TECHNOLOGY 6601
DATA MINING AND OPTIMIZATION TOOLS FOR ENGINE COND ITION MONITORING
07/19/2000 - 03/31/2002 FY02: $0 Total: $94,022
Prin. Invest.: D P DHAWAN
Tech. Officer: GRC/J LITT
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 5 7085 NEW JERSEY INST OF TECHNOLOGY 6602
STATISTICAL STUDIES OF FILAMENT DIAPPEARANCES BY A NALYZING FULL-DISK YOHKOH SXT AND BBSO HX DATA
03/13/1998 - 10/14/2001 FY02: $0 Total: $105,906
Prin. Invest.: H WANG
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 7454 NEW JERSEY INST OF TECHNOLOGY 6603
EARTHSHINE MEASUREMENTS OF GLOBAL ATMOSPHERIC PROP ERTIES
07/23/1998 - 07/31/2001 FY02: $0 Total: $325,721
Prin. Invest.: P R GOODE
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 7837 NEW JERSEY INST OF TECHNOLOGY 6604
SOHO/BBSO COORDINATED STUDY ON MAGNETIC RECONNECTI ON IN THE QUIET SUN
12/22/1998 - 08/31/2002 FY02: $0 Total: $232,363
Prin. Invest.: H WANG
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8485 NEW JERSEY INST OF TECHNOLOGY 6605
INTERACTION OF WAVES AND CONVECTION IN THE SUN
05/04/1999 - 10/31/2002 FY02: $0 Total: $131,417
Prin. Invest.: M F WOODARD
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 9501 NEW JERSEY INST OF TECHNOLOGY 6606
STUDIES OF SMALL-SCALE DYNAMICS BY JOINT TRACE AND BBSO OBSERVATIONS
04/20/2000 - 12/31/2002 FY02: $0 Total: $116,483
Prin. Invest.: H WANG
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9519 NEW JERSEY INST OF TECHNOLOGY 6607
SOURCES OF SOLAR IRRADIANCE VARIATION
05/02/2000 - 10/30/2001 FY02: $0 Total: $47,100
Prin. Invest.: M F WOODARD
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9682 NEW JERSEY INST OF TECHNOLOGY 6608
STUDIES OF SOLAR MAGNETIC FIELDS & SOLAR ACTIVITY
06/26/2000 - 05/31/2003 FY02: $0 Total: $525,155
Prin. Invest.: P R GOODE
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9730 NEW JERSEY INST OF TECHNOLOGY 6609
NEW GRANT GLOBAL ASYMMETRIES IN SOLAR INTERIOR FROM SOHO
06/22/2000 - 06/30/2001 FY02: $0 Total: $73,307
Prin. Invest.: P GOODE
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9738 NEW JERSEY INST OF TECHNOLOGY 6610
NEW GRANT STUDY OF FILAMENT ERUPTIONS AND CORONAL MASS EJECTIONS BY SOHO
07/18/2000 - 07/31/2001 FY02: $0 Total: $100,440
Prin. Invest.: H WANG
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10212 NEW JERSEY INST OF TECHNOLOGY 6611
MICROWAVE IMAGING SPECTROSCOPY OF SOLAR FLARES IN SUPPORT OF HESSI
01/03/2001 - 12/31/2003 FY02: $0 Total: $78,945
Prin. Invest.: D E GARY
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10891 NEW JERSEY INST OF TECHNOLOGY 6612
STUDY OF OVSA MICROWAVES AND HESSI HARD X-RAYS
05/10/2001 - 05/31/2004 FY02: $0 Total: $47,208
Prin. Invest.: J LEE
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10894 NEW JERSEY INST OF TECHNOLOGY 6613
EPHEMERAL REGIONS AND CANCELLING MAGNETIC FEATURES
05/14/2001 - 05/31/2004 FY02: $0 Total: $46,245
Prin. Invest.: J CHAE
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10910 NEW JERSEY INST OF TECHNOLOGY 6614
HESSI-BBSO JOINT STUDIES OF SOLAR FLARES
05/24/2001 - 05/31/2004 FY02: $0 Total: $74,971
Prin. Invest.: H WANG
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11007 NEW JERSEY INST OF TECHNOLOGY 6615
EARTHSHINE MEASUREMENTS OF THE EARTH'S ALBEDO
06/29/2001 - 06/30/2004 FY02: $0 Total: $73,505
Prin. Invest.: P R GOODE
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 11875 NEW JERSEY INST OF TECHNOLOGY 6616
MICROWAVE IMAGING OF SOLAR FLARES AND ACTIVE REGIO NS WITH THE OWENS VALLEYSOLAR ARRAY
03/15/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: D E GARY
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 8 1714 NEW JERSEY INST OF TECHNOLOGY 6617
HIGH TEMPERATURE PHASES AND PHASE EQUILIBRIA IN REACTIVE MOLTEN METAL-BASED SYSTEMS
05/04/2000 - 11/30/2003 FY02: $0 Total: $149,750
Prin. Invest.: E DREIZIN
Tech. Officer: MSFC/P DOTY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 746 NEW JERSEY INST OF TECHNOLOGY 6618
DETAILED REACTION MECHANISMS AND PARTICLE INTERACT ION IN BURNING TWO-PHASE SYSTEMS
12/07/1999 - 06/30/2001 FY02: $0 Total: $53,363
Prin. Invest.: E L DREIZEN
Tech. Officer: GRC/R F FRIEDMAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9103 PASSAIC COUNTY COMM COLL 6619
PANTHER PROJECT (PATERSON & NASA TOGETHER FOR HIGH EXPECTA-TIONS & RESULTS)
03/10/2000 - 02/28/2003 FY02: $0 Total: $200,000
Prin. Invest.: R EPSTEIN
Tech. Officer: HQ/STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2291 PRINCETON UNIV 6620
ADAPTIVE AND OPTIMAL CONTROLLER DESIGNS FOR UNCER- TAIN AERO-SPACE STRUCTURES
04/13/2000 - 12/01/2000 FY02: $0 Total: $45,000
Prin. Invest.: M Q PHAN
Tech. Officer: LARC/P G MAGHAMI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01010 PRINCETON UNIV 6621
SELF-HEALING ORGANIC/INORGANIC NANOCOMPOSITES
01/10/2001 - 12/31/2003 FY02: $0 Total: $125,000
Prin. Invest.: A AKSAY
Tech. Officer: WFF/T L STCLAIR
CASE Category: 12 – CHEMISTRY

NAG 2 1327 PRINCETON UNIV 6622
DEVELOPMENT OF UNSTRUCTURED METHODS FOR EFFICIENT AERODY-NAMIC SIMULATION & DESIGN
05/21/1999 - 03/14/2003 FY02: $0 Total: $205,335
Prin. Invest.: T J BAKER, A J SMITS
Tech. Officer: ARC/S E CLIFF
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1400 PRINCETON UNIV 6623
STUDIES IN ROTORCRAFT SYSTEM IDNTIFICATION
03/28/2000 - 09/30/2001 FY02: $0 Total: $22,500
Prin. Invest.: H C CURTIS
Tech. Officer: ARC/M B TISCHLER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1475 PRINCETON UNIV 6624
PIERZOELECTRIC MICROCANTILEVERS WITH NANOSCOPIC CO ATINGS A BREAKTHROUGH SENSING TECHNOLOGY
04/20/2001 - 04/14/2003 FY02: $0 Total: $598,740
Prin. Invest.: I AKSAY
Tech. Officer: ARC/M MEYYAPPAN, ARC/H PATRIDGE
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1579 **PRINCETON UNIV** **6625**
RESEARCH ON ROTORCRAFT MODELING
09/06/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: H C CURTISS
Tech. Officer: ARC/M TISCHLER, ARC/B LAKINSMITH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2248 **PRINCETON UNIV** **6626**
THE CONTROL AND DYNAMICS OF HARD SPHERE COLLOIDAL DISPERSIONS
03/30/1999 - 02/23/2004 FY02: $0 Total: $1,032,500
Prin. Invest.: P M CHALKIN
Tech. Officer: GRC/B S SINGH
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2380 **PRINCETON UNIV** **6627**
ELECTROHYDRODYNAMIC FLOWS IN ELECTROCHEMICAL SYSTE MS
04/06/2000 - 11/30/2003 FY02: $0 Total: $150,250
Prin. Invest.: D A SAVILLE
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2473 **PRINCETON UNIV** **6628**
FUEL SULFUR ISSUES AND SOX/NOX/COX HOT SECTION INT ERACTIONS
07/12/2000 - 09/30/2001 FY02: $0 Total: $100,087
Prin. Invest.: D L DRYER
Tech. Officer: GRC/M RABINOWITZ
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2665 **PRINCETON UNIV** **6629**
COMPUTATIONAL TOOLS FOR THE DESIGN OF ADVANCED COA TING SYSTEMS FOR 3000F
11/08/2001 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: D J SROLOVITZ
Tech. Officer: GRC/B GOOD
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 616 **PRINCETON UNIV** **6630**
INTERSTELLAR MEDIUM ABSORPTION PROFILE SPCETROGRAPH (IMAPS)
01/01/1983 - 10/31/2002 FY02: $0 Total: $10,722,665
Prin. Invest.: E B JENKINS
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 3364 **PRINCETON UNIV** **6631**
ORIGIN AND EVOLUTION OF DUST IN ELLIPTICAL GALAXIE S
08/28/1996 - 08/31/2001 FY02: $0 Total: $151,000
Prin. Invest.: G R KNAPP
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6591 **PRINCETON UNIV** **6632**
EVALUATION AND INTERCOMPARISON OF THREE-DIMENSIONA L GLOBAL MARINE CARBONCYCLE MODELS
11/07/1997 - 12/31/2000 FY02: $0 Total: $172,804
Prin. Invest.: J L SARMIENTO
Tech. Officer: GSFC/G ASRAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6734 **PRINCETON UNIV** **6633**
IMAGING THE CELESTIAL EQUATOR AT 12 MICRONS AND 2 5 MICRONS AND COMPARISON ON WITH FIVE COL
12/16/1997 - 12/31/2001 FY02: $0 Total: $45,000
Prin. Invest.: G KNAPP
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7030 **PRINCETON UNIV** **6634**
INTERSTELLAR STUDIES - ATP
02/17/1998 - 02/14/2002 FY02: $0 Total: $297,933
Prin. Invest.: B T DRAINE
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7066 **PRINCETON UNIV** **6635**
DYNAMICS OF THE GALAXY, GLOBULAR CLUSTERS, AND THE LOCAL GROUP_- ATP
02/26/1998 - 02/28/2002 FY02: $0 Total: $229,480
Prin. Invest.: S D TREMAINE
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7154 **PRINCETON UNIV** **6636**
FORMATION AND EVOLUTION OF GROUPS AND FILAMENTS - ATP
03/16/1998 - 03/14/2003 FY02: $0 Total: $348,752
Prin. Invest.: D N SPERGEL
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7297 **PRINCETON UNIV** **6637**
A TERRESTRIAL WATER AND ENERGY BUDGET FOR THE BORE AS STUDY REGION SCALE USING FIELD MEASUREMENTS, R
04/21/1998 - 04/30/2002 FY02: $0 Total: $103,503
Prin. Invest.: E F WOOD
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7310 **PRINCETON UNIV** **6638**
LONG-TERM ORBITAL EVOLUTION IN PLANETARY SYSTEMS A ND PROTOPLANETARY DISKS
04/22/1998 - 04/30/2001 FY02: $0 Total: $217,000
Prin. Invest.: S D TREMAINE
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7544 **PRINCETON UNIV** **6639**
HYDROLOGY OF EXTREME FLOODS FOR THE UNITED STATES EAST OF THE ROCKY MOUNTAINS
06/23/1998 - 09/30/2001 FY02: $0 Total: $246,097
Prin. Invest.: J A SMITH
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7744 **PRINCETON UNIV** **6640**
DEVELOPMENT AND EVALUATION OF RADAR DATA QUALITY C ONTROL ALGORITHMS
10/28/1998 - 10/31/2001 FY02: $0 Total: $254,471
Prin. Invest.: J A SMITH
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8084 PRINCETON UNIV 6641
PRIMARY AND SECONDARY ANISOTROPIES OF COSMIC MICRO WAVE BACKGROUND
01/19/1999 - 02/28/2002 FY02: $0 Total: $270,664
Prin. Invest.: U SELJAK
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8365 PRINCETON UNIV 6642
STUDYING THE EVOLUTION OF X-RAY CLUSTERS OF GALAXI ES USING LARGE-SCALE HIGH RESOLUTION COSMOLOGIC
03/15/1999 - 03/14/2003 FY02: $0 Total: $363,066
Prin. Invest.: R CEN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8385 PRINCETON UNIV 6643
EVOLUTION AND DYNAMICS OF PROTOSTELLAR DISKS
03/03/1999 - 02/28/2003 FY02: $0 Total: $125,000
Prin. Invest.: J GOODMAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8676 PRINCETON UNIV 6644
ATMOSPHERIC AEROSOL EVOLUTION AND EXCHANGE
07/08/1999 - 07/14/2003 FY02: $0 Total: $322,129
Prin. Invest.: L RUSSELL
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9274 PRINCETON UNIV 6645
EARLY IDENTIFICATION & INTERPRETATION OF QUASAR/ AGN MICROLENSING EVENT: PROBES OF ACCRETIONDISK
03/15/2000 - 03/14/2003 FY02: $0 Total: $173,240
Prin. Invest.: E TURNER
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9284 PRINCETON UNIV 6646
FINDING THE BARYONS: MATCHING COSMOLOGICAL PREDICT IONS WITH THE X-RAY SKY
04/17/2000 - 04/30/2003 FY02: $0 Total: $210,344
Prin. Invest.: J P OSTRIKER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9414 PRINCETON UNIV 6647
UNDERSTANDING WATER, CLIMATE AND GLOBAL CHANGE: A GEWEX GLOBAL WATER AND ENERGY PATHFINDER DATA SET
04/11/2000 - 04/14/2003 FY02: $0 Total: $95,448
Prin. Invest.: E WOOD
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9486 PRINCETON UNIV 6648
TERRESTRIAL HYDROLOGY & CLIMATE STUDIES USING EOS- ERA DATA
04/17/2000 - 03/31/2003 FY02: $0 Total: $153,958
Prin. Invest.: E WOOD
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9635 PRINCETON UNIV 6649
TMI SOIL MOISTURE PATHFINDER DATA STUDY
06/05/2000 - 05/31/2003 FY02: $0 Total: $90,002
Prin. Invest.: E WOOD
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9748 PRINCETON UNIV 6650
"SATELLITE ATTITUDE ESTIMATION WITH THE TWO STEP OPTIMAL ESTIMATOR"
07/14/2000 - 02/28/2002 FY02: $0 Total: $50,000
Prin. Invest.: N KASDIN
Tech. Officer: GSFC/R HARMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9810 PRINCETON UNIV 6651
REGIONAL CONTRIBUTION TO THE GLOBAL TROPOSPHERIC OZONE BUDGET-GLOBAL MODELING AND DATA ANALYSIS
07/18/2000 - 07/14/2003 FY02: $0 Total: $61,844
Prin. Invest.: D L MAUZERALL
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9891 PRINCETON UNIV 6652
USE OF TRMM DATA TO EVALUATE BENEFITS OF POST-2002 GLOBAL PRECIPITATION MISSION FOR LAND SURFACE HYD
08/23/2000 - 08/31/2003 FY02: $0 Total: $126,000
Prin. Invest.: E F WOOD
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10456 PRINCETON UNIV 6653
RESONANT & SECULAR ORBITAL DYNAMICS OF PLANETS, PLANETESIMALS & SATELLITES
02/21/2001 - 02/28/2004 FY02: $0 Total: $60,000
Prin. Invest.: S TREMAINE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10481 PRINCETON UNIV 6654
MICROWAVE ANISOTROPHY PROBE (MAP) INVESTIGATION PHASE III COMPLETION & PHASE IV DATA ANALYSIS
03/01/2001 - 07/31/2004 FY02: $0 Total: $381,540
Prin. Invest.: L PAGE
Tech. Officer: GSFC/C BENNET
CASE Category: 11 – ASTRONOMY

NAG 5 10811 PRINCETON UNIV 6655
INTERSTELLAR STUDIES OF DUST AND GAS (ATP 2000)
04/30/2001 - 04/30/2004 FY02: $0 Total: $60,000
Prin. Invest.: B T DRAINE
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10933 PRINCETON UNIV 6656
MODELING AND SIMULATION OF THE MAXIM PATHFINDER MISSION: PRECISION SPACECRAFT FORMATION CONTROL
06/04/2001 - 10/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: J KASDIN
Tech. Officer: GSFC/F L MARKLEY
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11094 **PRINCETON UNIV** **6657**
PARALLAXES OF RED GIANT STARS (ADP 2000)
07/10/2001 - 07/14/2003 FY02: $0 Total: $38,391
Prin. Invest.: G R KNAPP
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11111 **PRINCETON UNIV** **6658**
LAND SURFACE MODELING STUDIES IN SUPPORT OF AQUA AMSR-E VALIDATION AQUA-0088-0029
07/12/2001 - 08/31/2004 FY02: $0 Total: $46,591
Prin. Invest.: E F WOOD
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11136 **PRINCETON UNIV** **6659**
TESTING COSMOLOGICAL MODELS WITH QSO ABSORBERS (LTSA 2000)
07/20/2001 - 09/30/2006 FY02: $0 Total: $88,745
Prin. Invest.: T M TRIPP
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11301 **PRINCETON UNIV** **6660**
USING REMOTE SENSING AND OCEAN MEASUREMENTS TO CON TRAIN CARBON FLUXES INTHE SOUTHERN OCEAN
08/31/2001 - 08/31/2003 FY02: $0 Total: $155,253
Prin. Invest.: M BENDER
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11489 **PRINCETON UNIV** **6661**
ANALYSIS OF COSMIC MICROWAVE BACKGROUND DATA (LTSA 2001)
12/27/2001 - 12/31/2006 FY02: $0 Total: $0
Prin. Invest.: U SELJAK
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11610 **PRINCETON UNIV** **6662**
"EVALUATION OF HYDROLOGIC REMOTE SENSING OBSERVATI ONS FOR IMPROVED WEATHER PREDICTION"
01/31/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: E F WOOD
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11664 **PRINCETON UNIV** **6663**
EVOLUTION AND DYNAMICS OF PROTOSTELLAR DISKS
02/11/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: J GOODMAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11884 **PRINCETON UNIV** **6664**
LAND INFORMATION SYSTEM
03/27/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: E WOOD
Tech. Officer: GSFC/C D PETERS-LIDARD
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11947 **PRINCETON UNIV** **6665**
O VI IN THE LMC HALO - FUSE 2001
04/01/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: D V BOWEN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11983 **PRINCETON UNIV** **6666**
SMALL SCALE ANISOTROPIES IN COSMIC MICROWAVE BACK GROUND
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: U SELJAK
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12015 **PRINCETON UNIV** **6667**
MGCM SIMULATIONS OF MARTIAN CLIMATE
04/22/2002 - 09/19/2002 FY02: $0 Total: $0
Prin. Invest.: R Q WILSON
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12212 **PRINCETON UNIV** **6668**
SEARCH FOR PLANETS WITH GRAVITATIONAL MICROLENSING & PLANETARY TRANSITS
05/15/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: B PACZYNSKI
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12387 **PRINCETON UNIV** **6669**
CLIMATE VARIABILITY ON DECADAL & LONGER TIMESCALES
07/17/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: G PHILANDER
Tech. Officer: GSFC/S HAKKINEN
CASE Category: 33 – OCEANOGRAPHY

NAG 5 12398 **PRINCETON UNIV** **6670**
AN INTERGRATED FORWARD AND INVERSE MODELING APPROA CH TO THE PREDICTION OF PHYTOPLANKTON BLOOMS
07/23/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: J SARMIENTO
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12519 **PRINCETON UNIV** **6671**
USING FUSE TO MEASURE THE GALACTIC HALO'S O VI INT ENSITY
08/21/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: E L JENKINS
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12542 **PRINCETON UNIV** **6672**
INTERANNUAL VARIABILITY IN TRANS-PACIFIC TRANSPORT OF POLLUTION
08/29/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: D MAUZERALL
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12544 **PRINCETON UNIV** **6673**
CONSTRAINING OCEANIC COURCES AND SINKS OF C02 BY I NVERSE MODELING: A FIRST STOP TOWARD ASSIMILAT
08/30/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J SARMIENTO
Tech. Officer: GSFC/C TREES
CASE Category: 33 – OCEANOGRAPHY

NAG 8 1368 **PRINCETON UNIV** **6674**
ELECTROHYDRODYNAMICS OF SUSPENSIONS
05/30/1997 - 11/30/2000 FY02: $0 Total: $389,000
Prin. Invest.: D SAVILLE
Tech. Officer: MSFC/D NOENER
CASE Category: 12 – CHEMISTRY

NAG 8 1517 **PRINCETON UNIV** **6675**
TERRESTRIAL HYDROLOGY AND CLIMATE STUDIES USING EOS-ERA DATA (CATEGORY 2)
05/07/1998 - 04/30/2002 FY02: $0 Total: $715,753
Prin. Invest.: E F WOOD
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 30110 **PRINCETON UNIV** **6676**
SPACE TELESCOPE IMAGING SPECTROGRAPH PROGRAM SUPPORT
06/17/1987 - 12/31/2004 FY02: $0 Total: $1,114,245
Prin. Invest.: E JENKINS
Tech. Officer: GSFC/D VITAGLINO
CASE Category: 11 – ASTRONOMY

NAS 5 96021 **PRINCETON UNIV** **6677**
MICROWAVE ANISOTROPY PROBE INVESTIGATION (PHASE I DEFINITION STUDY)
06/28/1996 - 05/30/2001 FY02: $0 Total: $9,368,566
Prin. Invest.: D WILKINSON
Tech. Officer: GSFC/R CUDDAPAH
CASE Category: 11 – ASTRONOMY

NCC 1 01010 **PRINCETON UNIV** **6678**
DEV OF A DESIGN METHODOLOGY FOR RECONFIGURABLE FLIGHT CONTROL SYSTEMS
02/27/2001 - 02/28/2002 FY02: $0 Total: $50,992
Prin. Invest.: I A AKSAY
Tech. Officer: LARC/E J SIOCHI, LARC/T L ST. CLAIR
CASE Category: 12 – CHEMISTRY

NCC 1 02037 **PRINCETON UNIV** **6679**
UNIV RESEARCH ENGINEERING AND TECHNOLOGY INST (URETI) BIOINSPIRED MULTIFUNCTIONAL NANOCOMPOSITE
08/19/2002 - 08/18/2007 FY02: $0 Total: $0
Prin. Invest.: I A AKSAY
Tech. Officer: LARC/T R SUTTER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 670 **PRINCETON UNIV** **6680**
STRUCTURE AND RESPONSE OF SPHERICAL DIFFUSION FLAM ES
02/08/1999 - 12/29/2002 FY02: $0 Total: $433,750
Prin. Invest.: C K LAW
Tech. Officer: GRC/K SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 687 **PRINCETON UNIV** **6681**
AERODYNAMICS AND CHEMICAL KINETICS OF PREMIXED FLA MES AT HIGH PRESSURE
03/12/1999 - 01/03/2003 FY02: $0 Total: $339,000
Prin. Invest.: C K LAW
Tech. Officer: GRC/D SACKKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 735 **PRINCETON UNIV** **6682**
SCIENTIFIC SUPPORT FOR A SPACE SHUTTLE DROPLET BURNING EXPERIMENT
09/30/1999 - 11/30/2002 FY02: $0 Total: $502,248
Prin. Invest.: F L DRYER
Tech. Officer: GRC/D L URBAN
CASE Category: 46 – MECHANICAL ENGR

NGT 5 30113 **PRINCETON UNIV** **6683**
CHANGE IN FOREST COVER OF NANG RONG, THAILAND: AN INTEGRATED PRGM OF LANDSCAPE ANALYSIS, EMPIRICAL S
10/01/1997 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: S HUBBELL
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30134 **PRINCETON UNIV** **6684**
RESPONSE OF ENSO TO MODULATIONS IN TROPICAL CLIMAT E/STUDENT:WITTENBERG
09/04/1998 - 08/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: G PHILANDER
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30137 **PRINCETON UNIV** **6685**
TRANSBOUNDARY AIR POLUTION IN ASIA/STUDENT:HOLLOWA Y
09/04/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: H LEVY, 11
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30333 **PRINCETON UNIV** **6686**
THE INTERACTION BETWEEN THE ABYSSAL CIRCULATION & THE WIND DRIVEN OCEAN:DYNAMICS & EFFECTS ONTHE CL
08/16/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: G PHILANDER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30341 **PRINCETON UNIV** **6687**
ELEPHANTS, FIRE & VEGETAION CHANGE IN SOUTHERN AFRICAN WOODLANDS/STUDENT: RICARDO HOLDO
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: A DOBSON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30356 **PRINCETON UNIV** **6688**
MODELING MARINE DENITRIFICATION & N2 FIXATION STUDENT: CURTIS DEUTSCH
08/24/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J SARMIENTO
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50333 **PRINCETON UNIV** **6689**
ROLE OF GLOBAL SNOW COVER EXTENT ON CLIMATE VARI ABILITY & PREDICTABILITY STUDENT: RADHIKA WIJETUNG
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: E F WOOD
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50356 **PRINCETON UNIV** **6690**
LITHIUM LORENTZ FORCE ACCELERATOR RESEARCH FOR HIGH POWER STEADY-STATE SPACE PROPULSION (STUDENT:
05/23/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: E CHOUEIRI
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50370 PRINCETON UNIV 6691
OPTICALLY-TUNABLE COLLOIDAL CRYSTALLIZATION (STUDENT: W. RISTEN-PART)
06/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: D SAVILLE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50383 PRINCETON UNIV 6692
GRAVITATIONAL LENSING OF COSMIC MICROWAVE BACK- GROUND (STUDENT: CHRISTOPHER HIRATA)
05/20/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: U SELJAK
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50407 PRINCETON UNIV 6693
KINETCIS OF COLLOIDAL CRYSTALLIZATION
07/31/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: W RUSSEL
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2521 ROWAN UNIV 6694
GRAVITATIONAL INFLUENCES ON FLAME PROPAGATION THROUGH NON UNIFORM PREMIXED GAS SYSTEMS
01/10/2001 - 11/30/2004 FY02: $0 Total: $10,745
Prin. Invest.: D MARCHESE
Tech. Officer: GRC/K SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 6776 ROWAN UNIV 6695
RESEARCH IN PLANETARY ASTRONOMY
01/09/1998 - 06/30/2002 FY02: $0 Total: $246,728
Prin. Invest.: D KLASSEN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9593 ROWAN UNIV 6696
FUNDING FOR PROFESSOR KAREN MAGEE-SAUER, DEPT OF CHEMISTRY & PHYSICS; PRODUCTION DATA PROCESSING
06/07/2000 - 05/31/2003 FY02: $0 Total: $8,900
Prin. Invest.: K MAGEE-SAUER
Tech. Officer: GSFC/M J MUMMA
CASE Category: 13 – PHYSICS

NAG 5 11076 ROWAN UNIV 6697
CLOUDS OF MARS-AN IRFT/MGS COMPARSION
08/06/2001 - 08/14/2004 FY02: $0 Total: $50,000
Prin. Invest.: D R KLASSEN
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 1 2154 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6698
SAGE II VALIDATION WITH A GLOBAL LIDAR NETWORK MY 1/3
03/10/1999 - 12/31/2002 FY02: $0 Total: $253,933
Prin. Invest.: A ROBOCK
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2182 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6699
NANOCOMPOSITES BASED ON LIQUID CRYSTALLINE POLYMERS
04/13/1999 - 10/31/2001 FY02: $0 Total: $115,001
Prin. Invest.: M JAFFE
Tech. Officer: LARC/N J JOHNSON, LARC/J W CONNELLE
CASE Category: 12 – CHEMISTRY

NAG 1 2311 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6700
NIGHTTIME POLAR CLOUD PARAMETERS RETRIEVED FROM SATELLITE SOUNDER AND IMAGE DATA
06/15/2000 - 06/30/2002 FY02: $0 Total: $68,099
Prin. Invest.: J A FRANCIS
Tech. Officer: LARC/P MINNIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1234 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6701
SELF ADAPTIVE SOFTWARE FOR AUTOMATED DESIGN OF COM PLEX ENGINEERING SYSTEMS
07/24/1998 - 06/30/2002 FY02: $0 Total: $788,238
Prin. Invest.: S AMAREL, T ELLMAN
Tech. Officer: ARC/M R LOWRY
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2350 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6702
THE EFFECT OF GRAVITY ON THE MECHANICS OF FLUIDIZE D BEDS
03/16/2000 - 11/30/2003 FY02: $0 Total: $126,000
Prin. Invest.: D J GLASSER
Tech. Officer: GRC/B J MOTIL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2589 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6703
IN-SITU ULTRA-HIGH VACUUM SCANNING PROBE MICROSCOP Y STUDIES OF THE POLYMER ANODE/LIPON INTERFACE
04/17/2001 - 05/31/2003 FY02: $0 Total: $50,000
Prin. Invest.: D H GAROFALINI
Tech. Officer: GRC/N HAGEDORN
CASE Category: 13 – PHYSICS

NAG 5 3432 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6704
DETERMINING THE HUBBLE CONSTANT USING X-RAY, OPTIC IONS OF CLUSTER
10/30/1996 - 09/30/2003 FY02: $0 Total: $638,401
Prin. Invest.: J P HUGHES
Tech. Officer: GSFC/R K OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 4327 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6705
ISOTOPIC INVESTIGATIONS OF EXTRATERRESTRIAL MATERI
04/11/1997 - 02/28/2002 FY02: $0 Total: $339,000
Prin. Invest.: D F HERZOG
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 4597 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6706
TRANSIENT HEATING IN THE SOLAR ACCRETION DISK
05/15/1997 - 02/28/2001 FY02: $0 Total: $190,000
Prin. Invest.: R H HEWINS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 6011 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6707
"NJ-NSCORT FOR BIOREGENERATIVE LIFE SUPPORT SYSTEM
07/23/1997 - 04/30/2001 FY02: $0 Total: $5,084,998
Prin. Invest.: H JANES
Tech. Officer: GSFC/G FOGLEMAN
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 6037 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6708
BLACK HOLES AND GALAXY DYNAMICS
10/08/1997 - 10/14/2002 FY02: $0 Total: $454,000
Prin. Invest.: D MERRITT
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7015 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6709
THEORETICAL ISSUES FOR INTERPRETING COSMIC MICROWA VE BACK-GROUND MAPS_ATP
02/17/1998 - 04/30/2001 FY02: $0 Total: $100,333
Prin. Invest.: A B KOSOWSKY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7148 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6710
UV SOLID STATE DETECTORS
05/04/1998 - 04/14/2002 FY02: $0 Total: $301,004
Prin. Invest.: C L JOSEPH
Tech. Officer: GSFC/W WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 7564 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6711
EVALUATION OF SNOW WATER EQUIVALENT ACROSS GRASSLA ND RE-GIONS
06/30/1998 - 06/30/2001 FY02: $0 Total: $115,143
Prin. Invest.: D ROBINSON
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8213 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6712
THE IMPACTS OF LAND-USE/LAND-COVER CHANGE IN AMAZO NIA ON HYDROMETEOROLOGICAL PROCESS
03/01/1999 - 06/30/2001 FY02: $0 Total: $300,000
Prin. Invest.: R AVISSAR
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9046 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6713
ORIGIN AND EVOLUTION OF MASSIVE BLACK HOLES IN GALAXIES - (ATP 99)
03/06/2000 - 05/31/2002 FY02: $0 Total: $196,783
Prin. Invest.: D MERRITT
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9340 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6714
ATMOSPHERIC IRON FLUXES TO THE OCEAN: SEASONAL PAT TERNS AND LINKAGE TOPHYTOPLANKTON BLOOMS
04/11/2000 - 04/30/2003 FY02: $0 Total: $157,366
Prin. Invest.: Y GAO
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9528 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6715
IN SITU SYNCHROTRON MICROXANES MEASUREMENTS OF OXI DATION STATES OF SOLARSYSTEM MATERIALS
04/28/2000 - 04/30/2003 FY02: $0 Total: $109,000
Prin. Invest.: J S DELANEY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9746 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6716
SUPPORT FOR THE NASA-HYDROMETEOROLOGY SCIENCE TEAM OFFICE
07/11/2000 - 07/14/2001 FY02: $0 Total: $49,475
Prin. Invest.: R AVISSAR
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9787 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6717
ESTABLISHING AND IMPROVING A TRACEABLE, TIME-DEPEN DENT PRI-MARY PRODUCTION ALGORITHM FOR GENERATING
07/14/2000 - 07/14/2001 FY02: $0 Total: $74,000
Prin. Invest.: M J BEHRENFELD
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9792 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6718
VOLCANIC ERUPTIONS AND CLIMATE
07/18/2000 - 07/31/2003 FY02: $0 Total: $120,000
Prin. Invest.: A ROBECK
Tech. Officer: GSFC/K BERGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9847 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6719
OCEAN CARBON FLUX: TRANSPORT & BURIAL WITHIN THE WESTERN & EASTERN U.S.COASTAL ZONES
07/31/2000 - 07/31/2003 FY02: $0 Total: $191,250
Prin. Invest.: D HAIDVOGEL
Tech. Officer: GSFC/E LINSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9927 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6720
XMM SPECTRO-IMAGERY OF TWO YOUNG EJECTA-DOMINATED SNRS: KEPLER & W49B
09/07/2000 - 09/14/2003 FY02: $0 Total: $6,240
Prin. Invest.: J P HUGHES
Tech. Officer: GSFC/D F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9979 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6721
CONFRONTING THE COMPLEXITY OF GALAXY CLUSTERS WITH LENSING, SZ, & XMM DATA
09/12/2000 - 09/14/2003 FY02: $0 Total: $44,800
Prin. Invest.: J P HUGHES
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9990 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6722
XMM STUDIES OF A NEW SAMPLE OF YOUNG EJECTA-DOMINA TED GALACTIC SNRS
09/14/2000 - 08/31/2003 FY02: $0 Total: $45,061
Prin. Invest.: J P HUGHES
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10003 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6723
BLACK HOLES IN EARLY TYPE GALAXIES: INCIDENCE, FOR MATION AND EVOLUTION
09/25/2000 - 08/31/2004 FY02: $0 Total: $216,501
Prin. Invest.: L FERRARESE
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10110 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6724
SPACE ASTROPHYSICS RESEARCH & ANALYSIS PROGRAM
01/02/2001 - 12/31/2004 FY02: $0 Total: $100,000
Prin. Invest.: J SELLWOOD
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10357 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6725
HOT-ELECTRON DETECTORS: RECORD SENSITIVITY DUE TO CONTROL-LABLE ELECTRON-PHONON COUPLING IN SUPERCOND
02/01/2001 - 01/14/2004 FY02: $0 Total: $182,594
Prin. Invest.: M GERSHENSON
Tech. Officer: GSFC/C STAHLE
CASE Category: 13 – PHYSICS

NAG 5 10494 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6726
SIMULATION & ANALYSIS OF METEORITIC MATERIAL
02/28/2001 - 02/28/2004 FY02: $0 Total: $120,000
Prin. Invest.: R HEWINS
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10495 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6727
TRANSIENT HEATING IN THE SOLAR ACCRETION DISK
02/28/2001 - 02/28/2004 FY02: $0 Total: $30,000
Prin. Invest.: R HEWINS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10809 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6728
REDUCTION OF BACKGROUND SIGNALS IN AIGAN OR GAN SOLID STATE DETECTORS
04/26/2001 - 04/30/2002 FY02: $0 Total: $32,000
Prin. Invest.: C L JOSEPH
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11045 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6729
EFFECTS OF RADIATION ON DESORPTION OF ALKALIS FROM MINERAL & ICE SURFACES: RELATION TO ORIGINS OF AL
06/13/2001 - 06/14/2004 FY02: $0 Total: $80,000
Prin. Invest.: T MADEY
Tech. Officer: GSFC/D J BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11345 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6730
USING REMOTE SENSING AND OCEAN OXYGEN MEASUREMENTS TO CONSTRAIN CARBONFLUXES IN THE SOUTHERN OCEA
09/10/2001 - 09/14/2004 FY02: $0 Total: $78,581
Prin. Invest.: P G FALKONSKI
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11403 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6731
A HYBRID APPROACH FOR EVALUATING AND PREDITCTING I TERACTIONS BETWEEN THE SEASONAL SNOW PACK AND THE
11/28/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: D A ROBINSON
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11437 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6732
TOWARDS A BILLION COUNTS/SECOND PHOTON COUNTER WIT H HIGH QUANTUM EFFICIENCY
12/03/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: C L JOSEPH
Tech. Officer: GSFC/P CRANE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11719 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6733
ISOTOPIC INVESTIGATIONS OF EXTRATERRESTRIAL MATERIALS
02/06/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: G F HERZOG
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11720 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6734
AN IMPROVED GCM SIMULATION OF THE ARCTIC HYDRO- LOGIC CYCLE USING SATELLITE-DERIVED PRODUCTS
02/08/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: J R MILLER
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1513 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6735
SPATIAL & TEMPORAL VAIABILITY OF SOIL MOISTURE & ITS RELATION TO WATER & ENERGY BALANCES IN A MONSN
06/01/1998 - 05/31/2002 FY02: $0 Total: $339,524
Prin. Invest.: Y LIU, R AVISSAR
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1769 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6736
RESEARCH ON STRESS-DRIVEN INSTABILITY ON HELIUM- 4 CRYSTALS.
04/27/2001 - 03/31/2005 FY02: $0 Total: $100,444
Prin. Invest.: H KOJIMA
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 3 967 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6737
STRUCTURE AND RESPONSE OF SPHERICAL DIFFUSION FLAM ES
05/22/2002 - 05/19/2003 FY02: $0 Total: $0
Prin. Invest.: D D TSE
Tech. Officer: GRC/K SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 476 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6738
COOPERATIVE RESEARCH IN REGIONAL & GLOBAL CLIMATE VARIABILITY.
03/17/2000 - 03/31/2001 FY02: $0 Total: $657,181
Prin. Invest.: R AVISSAR
Tech. Officer: GSFC/R STOTHERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 553 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6739
RESEARCH IN REGIONAL & GLOBAL CLIMATE VARIABILITY
04/24/2001 - 03/31/2006 FY02: $0 Total: $700,000
Prin. Invest.: A ROBOCK
Tech. Officer: GSFC/R B STOTHERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 5 50229 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6740
CROP MODELING FOR MULTIPLE CROP PRODUCTION AND CON TROL FOR ADVANCED LIFE SUPPORT SYSTEMS
11/04/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: K C TING, FLEISHER
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 50364 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6741
DEVELOPMENT OF A HAPTIC INTERFACE FOR REMOTE OPERA TIONS IN SPACE, MEDICINE AND VIRTUAL REALITY, USI
06/12/2001 - 08/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: C MAVROIDIS
Tech. Officer: GSFC/K BLADING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50376 RUTGERS ST UNIV N.J.-INCLUDES PSCTWY 6742
SPATIALLY RESOLVED X-RAY SPECTROSCOPY OF YOUNG SUPERNOVA REMNANTS/STUDENT: CARA RAKOWSKI
07/05/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: J P HUGHES
Tech. Officer: GSFC/L KALUZIENSKI
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 9359 RUTGERS STATE UNIV OF NJ COOK CAMPUS 6743
A STUDY OF TELECONNECTIONS USING A NESTED GCM-RCM & SATELLITE OBSERVATIONS
04/06/2000 - 06/30/2001 FY02: $0 Total: $100,000
Prin. Invest.: R AVISSAR
Tech. Officer: GSFC/K BERGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 5344 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6744
VERY-LARGE-FOCAL-PLANE PHOTOCATHODE-BASED IMAGE SE NSORS FOR OWL
01/16/2002 - 01/07/2005 FY02: $0 Total: $0
Prin. Invest.: C JOSEPH
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 9833 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6745
ULTRAVIOLET TESTIN OF GAN ARRAYS AS DESCRIBED IN THE PROPOSAL ″GAN ULTRAVIOLET ARRAYS″
07/26/2000 - 10/31/2003 FY02: $0 Total: $49,008
Prin. Invest.: D JOSEPH
Tech. Officer: GSFC/B MOTT
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11244 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6746
GLOBAL MODELING AND ANALYSIS OF NONMETHANE HYDROCA RBONS, OXYGENATED HYDROCARBONS, AND ANTHROPOG
08/16/2001 - 08/31/2002 FY02: $0 Total: $81,221
Prin. Invest.: Y WANG
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11356 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6747
REPRESENTING KEY PHYTOPLANKTON GROUPS IN OCEAN CAR BON CYCLE MODELS
09/25/2001 - 09/30/2004 FY02: $0 Total: $124,826
Prin. Invest.: P G FALKOWSKI
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11585 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6748
A POLAR-SPECIFIC 20-YEAR DATA SET OF CLOUD FRACTIO N AND HEIGHT DERIVED FROM SATELLITE RADIANCES
01/25/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: J A FRANCIS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11714 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6749
A DYNAMICAL STUDY OF THE VIRGO AND FORNAX CLUSTERS (LTSA 2001)
02/27/2002 - 05/31/2007 FY02: $0 Total: $0
Prin. Invest.: P J COTE
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 12148 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6750
IN SITU SYNCHROTRON MICROXANES MEASUREMENTS OF OXI DATION STATES OF SOLARSYSTEM MATERIALS
05/23/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: J S DELANEY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12435 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6751
NEW JERSEY ECOCOMPLEX LIFE SUPPORT CENTER PROJECT
08/08/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: H JANES
Tech. Officer: GSFC/L P CHAMBERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1283 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6752
MOLECULAR CHARACTERIZATION OF EUBATERIA IN THE BIOLOGICAL WATER PROCESSOR
02/22/2001 - 02/21/2004 FY02: $0 Total: $144,228
Prin. Invest.: L KERKHOF
Tech. Officer: JSC/K DAUES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1318 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6753
CHARACTERIZATION OF HYDROPONICALLY GROWN APOGEE WHEAT FLOUR
06/18/2001 - 10/31/2001 FY02: $0 Total: $16,100
Prin. Invest.: J L KOKINI
Tech. Officer: JSC/V KLOERIS
CASE Category: 43 – CHEMICAL ENGR

NAS 5 99138 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6754
AIRBORNA (LIFT) METHOD FOR MEASURING PHOTOSYNTHETIC PERFOR-MANCE & PRIMARY PRODUCTIVITY.
04/15/1999 - 04/15/2002 FY02: $0 Total: $984,393
Prin. Invest.: Z KOLBER
Tech. Officer: GSFC/J B HARTLEY
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NCC 2 1259 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6755
INTEGRATING MULTIPLE SOURCES OF INFORMATION IN TEX T MINING
04/20/2001 - 05/31/2003 FY02: $0 Total: $80,000
Prin. Invest.: H HIRSCH
Tech. Officer: ARC/M SCHWABACHER, ARC/J COUGHLAN
CASE Category: 22 – COMPUTER SCIENCE

NGT13 52758 RUTGERS STATE UNIV OF NJ NEW BRUNSWICK 6756
GRADUATE STUDENT RESEARCHERS PROGRAM - DYNAMIC INT ERACTIONS OF HOLOCENE SUBSISTENCE STRATEGIES AND
06/27/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: D HARRIS
Tech. Officer: SSC/R TRAVIS
CASE Category: 71 – ANTHROPOLOGY

NAG 5 8971 STEVENS INST OF TECHNOLOGY 6757
ELECTRON-IMPACT DISSOCIATION AND EXCITATION OF MOLECULES AND MOLECULAR IONS
01/28/2000 - 12/31/2002 FY02: $0 Total: $116,714
Prin. Invest.: K BECKER
Tech. Officer: GSFC/J HILLMAN
CASE Category: 11 – ASTRONOMY

NAG 9 1063 STEVENS INST OF TECHNOLOGY 6758
INVESTIGATION OF AMBIENT PRESSURE
01/05/1999 - 07/05/2002 FY02: $0 Total: $428,983
Prin. Invest.: G P KORFIATIS
Tech. Officer: JSC/J GRAF
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NGT 5 40096 STEVENS INST OF TECHNOLOGY 6759
NEW JERSEY SPACE GRANT COLL AND FELLOWSHIP PROG RAM
02/28/2001 - 02/28/2005 FY02: $0 Total: $206,125
Prin. Invest.: S THANGAM
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1367 UNIV OF MEDICINE AND DENTISTRY 6760
MURINE DEVELOPMENT: CELLULAR & MOLECULAR ANALYSIS
08/02/1999 - 07/14/2003 FY02: $0 Total: $705,316
Prin. Invest.: R S NOWAKOWSKI
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1162 UNIV OF MEDICINE AND DENTISTRY 6761
GLUKOSE KINETICS AND MUSCLE ATROPHY
09/21/1999 - 09/22/2003 FY02: $0 Total: $148,027
Prin. Invest.: T P STEIN
Tech. Officer: JSC/C W LLOYD
CASE Category: 56 – MEDICL

NCC 2 1354 UNIV OF MEDICINE AND DENTISTRY 6762
GLUCOSE KINETICS AND MUSCLE ATROPHY
07/23/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: T P STEIN
Tech. Officer: ARC/C E WADE, ARC/A ROMA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 50335 UNIV OF MEDICINE AND DENTISTRY 6763
TRANSCRIPTIONAL REGULATION OF DIFFERENTIATING OSTE OBLASTS/STUDENT: RICHARD D'ALONZO
10/16/2000 - 10/01/2001 FY02: $0 Total: $22,000
Prin. Invest.: N C PARTRIDGE
Tech. Officer: HQ/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1556 UNIV. OF MEDICINE & DENTISTRY-NJ. 6764
EFFECTS OF MICROGRAVITY ON ZEBRAFISH VESTIBULAR DE VELOPMENT
04/30/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: S J MOORMAN
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NEW MEXICO

NAG 9 1066 COLL OF SANTA FE 6765
MOBILE SCIENCE PROJECT PACE/ MSET
01/07/1999 - 12/31/2001 FY02: $0 Total: $300,000
Prin. Invest.: B COLEMAN
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10150 EASTERN NEW MEXICO UNIV - MAIN CAMPUS 6766
NEW MEXICO CONNECTIONS: CONNECTING PEOPLE, PLACES AND RESEARCH
12/08/2000 - 08/13/2001 FY02: $0 Total: $64,956
Prin. Invest.: S NUTTER
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 9 1255 EASTERN NEW MEXICO UNIV - MAIN CAMPUS 6767
SMET CAMP
08/12/2000 - 09/30/2001 FY02: $0 Total: $25,000
Prin. Invest.: J MILLER
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1730 INST AMER INDIAN & AK NATIVE CULTURE & DEV 6768
ESTABLISH A COMM BASED NATIVE AMERICAN AGHRIC ULTURE RESEARCH AND DEVELOPMENT CENTER
06/22/2000 - 01/15/2002 FY02: $0 Total: $98,854
Prin. Invest.: S SULNA
Tech. Officer: MSFC/W LOVE
CASE Category: 55 – AGRICULTURE

NAG 8 1860 INST AMER INDIAN & AK NATIVE CULTURE & DEV 6769
SANTA FE INDIAN SCHOOL COMM BASED NATIVE AMERICAN AGRICULTURE RESEARCH AND DEV CENTER
06/28/2002 - 06/28/2005 FY02: $0 Total: $0
Prin. Invest.: W COFFEY
Tech. Officer: MSFC/W LOVE
CASE Category: 55 – AGRICULTURE

NAG 5 8734 NEW MEXICO HIGHLANDS UNIV 6770
CCD PHOTOMETRY OF THE VESTA FAMILY OF ASTEROIDS & AN ANALYSIS OF THEIRIMPACT ORIGIN
08/26/1999 - 07/31/2003 FY02: $0 Total: $217,699
Prin. Invest.: D V RYAN
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 8 1639 NEW MEXICO HIGHLANDS UNIV 6771
DEVELOPMENT OF NOVEL THERMOSTABLE PHOTOREFRACTIVE POLYMERS AND SOL-GEL MATERIALS
12/21/1999 - 12/20/2002 FY02: $0 Total: $290,006
Prin. Invest.: R D CLARK, M SANGHADASA
Tech. Officer: MSFC/B G PENN
CASE Category: 13 – PHYSICS

NAG 8 1708 NEW MEXICO HIGHLANDS UNIV 6772
ALLIANCE FOR NONLINEAR OPTICS
03/01/2000 - 02/28/2003 FY02: $0 Total: $1,000,000
Prin. Invest.: R CLARK
Tech. Officer: MSFC/W LOVE
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1139 NEW MEXICO HIGHLANDS UNIV 6773
AMERICAN INDIAN SCIENCE & TECH EDUCATION CONSORTIUM
08/31/1999 - 08/30/2001 FY02: $0 Total: $278,000
Prin. Invest.: J C'DE BACA
Tech. Officer: JSC/L M ARMEDARIZ
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1168 NEW MEXICO HIGHLANDS UNIV 6774
JSC ASTROBIOLOGY INST
09/28/1999 - 09/29/2002 FY02: $0 Total: $292,100
Prin. Invest.: J C DEBACA, J R JUAREZ
Tech. Officer: JSC/D S MCKAY, JSC/L ARMENDARIZ
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1260 NEW MEXICO HIGHLANDS UNIV 6775
STUDIES ON THE IMPACT OF CERRO GRANDE & VIVEASH FOREST FIRES
09/07/2000 - 09/30/2004 FY02: $0 Total: $151,095
Prin. Invest.: J R JUAREZ
Tech. Officer: JSC/G HENDERSEN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1330 NEW MEXICO HIGHLANDS UNIV 6776
REACHING OUT FOR SCIENCE, MATHEMATICS & TECHNOLOGY STUDENTS
06/26/2001 - 06/26/2004 FY02: $0 Total: $19,528
Prin. Invest.: J R JUAREZ
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1369 NEW MEXICO HIGHLANDS UNIV 6777
EDUCATIONAL OUTREACH
07/30/2001 - 07/31/2004 FY02: $0 Total: $19,000
Prin. Invest.: J JUAREZ
Tech. Officer: WFF/P BAKER, JSC/L M ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1374 NEW MEXICO HIGHLANDS UNIV 6778
AISTEC PROJECT
08/09/2001 - 08/12/2002 FY02: $0 Total: $100,000
Prin. Invest.: J CAIBACA
Tech. Officer: JSC/K KRISHEN, JSC/L ARMENDARIZ
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1375 NEW MEXICO HIGHLANDS UNIV 6779
HYDROCODE SIMULATICRS OF POROUS ASTEROID IMPACTS
08/09/2001 - 08/12/2002 FY02: $0 Total: $25,000
Prin. Invest.: J R JUAREZ
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 9 1393 NEW MEXICO HIGHLANDS UNIV 6780
HYDRAZINE AIR FILTRATION SYSTEM
01/04/2002 - 01/03/2005 FY02: $0 Total: $0
Prin. Invest.: J C DE BACA
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1394 NEW MEXICO HIGHLANDS UNIV 6781
JSC ASTROBIOLOGY INST
08/09/2002 - 08/11/2005 FY02: $0 Total: $0
Prin. Invest.: J R JUAREZ
Tech. Officer: JSC/D SMCKAY, JSC/L M ARMENDARIZ
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1409 NEW MEXICO HIGHLANDS UNIV 6782
NMHU STUDENT RESEARCHERS-DEVELOP SKILLS&MOTIVATION TO ENABLE STDNTS TO GRAD & EMPHASIZE ON SMET
08/01/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: E RYAN, J C'DEBACA
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1921 NEW MEXICO HIGHLANDS UNIV 6783
EDUCATIONAL OUTREACH
05/23/2000 - 05/31/2001 FY02: $0 Total: $18,803
Prin. Invest.: J R JUAREZ
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1922 NEW MEXICO HIGHLANDS UNIV 6784
HYDROCODE SIMULATIONS OF PAROUS ASTEROID IMPACTS
05/23/2000 - 08/30/2002 FY02: $0 Total: $24,997
Prin. Invest.: J R JUAREZ
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 3 2688 NEW MEXICO INST OF MINING & TECH 6785
ANALYSIS OF THE EFFECT OF SURFACE MODIFICATION ON POLYIMIDE COMPOSITES COATED WITH EROSION RESISTANT
01/10/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: D A HIRSCHFELD
Tech. Officer: GRC/J K SUTTER
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 4139 NEW MEXICO INST OF MINING & TECH 6786
OBSERVATIONS & ANALYSIS OF ATMOSPHERIC HYDROXYL
03/17/1997 - 03/14/2001 FY02: $0 Total: $176,882
Prin. Invest.: K MINSCHWANNER
Tech. Officer: GSFC/M J KURYLO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7109 NEW MEXICO INST OF MINING & TECH 6787
GROUND BASED MEASUREMENTS OF TOTAL OZONE, CLOUD PR OPERTIES, AND UV DOSES
03/25/1998 - 03/31/2002 FY02: $0 Total: $107,153
Prin. Invest.: D R MINSCHWANER
Tech. Officer: GSFC/J HERMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9328 NEW MEXICO INST OF MINING & TECH 6788
INFLUENCE OF LAND-ATMOSPHERE INTERACTIONS ON VARIA BILITY OF THE NORTH AMERICAN MONSOON
04/03/2000 - 04/30/2003 FY02: $0 Total: $140,754
Prin. Invest.: E E SMALL
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1106 NEW MEXICO INST OF MINING & TECH 6789
THE SEARCH FOR MICROBIAL BIOMARKERS IN TERRESTRIAL DEPOSITS
05/10/1999 - 05/09/2004 FY02: $0 Total: $66,000
Prin. Invest.: T L KIEFT
Tech. Officer: JSC/F K GIBSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30169 NEW MEXICO INST OF MINING & TECH 6790
COMBINED SIMULATION OF ALPINE GLACIERS AND CLOSED- BASIN LAKES: THE KEY TO DETERMINING THE LONG-TERM
09/01/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: F M PHILLIPS, PLUMMER
Tech. Officer: GSFC/M Y WEI
CASE Category: 11 – ASTRONOMY

NAG 2 1334 NEW MEXICO STATE UNIV - LAS CRUCES 6791
XENOPUS INNER EAR ORGAN INFRMATION IN AN ALTERED G RAVITY ENVIRONMENT
07/08/1999 - 06/30/2003 FY02: $0 Total: $299,141
Prin. Invest.: E E SERRANO
Tech. Officer: ARC/C E WADE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 2 1562 NEW MEXICO STATE UNIV - LAS CRUCES 6792
TOWARD A MODEL OF ORGANIZATIONAL RISK: CRITICAL FA CTORS AT THE TEAM LEVEL
05/28/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: N J COOKE
Tech. Officer: ARC/J ORASANU, ARC/M CONNORS
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 6007 NEW MEXICO STATE UNIV - LAS CRUCES 6793
THEORETICAL & OBSERVATIONAL STUDIES OF SOLAR & EXT RA SOLAR PLANETARY ATMOSPHERES
10/16/1996 - 06/30/2001 FY02: $0 Total: $288,379
Prin. Invest.: M MARLEY
Tech. Officer: ARC/C P MCKAY, ARC/A J HATCH
CASE Category: 11 – ASTRONOMY

NAG 2 6030 NEW MEXICO STATE UNIV - LAS CRUCES 6794
CAREER OPPORTUNITES IN MATHEMATICS, ENGINEERING, T ECHNOLOGY, & SCIENCE (COMETS) PROGRAMS
03/09/1999 - 03/31/2002 FY02: $0 Total: $299,001
Prin. Invest.: G V GARCIA
Tech. Officer: ARC/A CARDENAS, ARC/G S LEE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 6053 NEW MEXICO STATE UNIV - LAS CRUCES 6795
RIOSOFT CONSORTIUM - INFRASTRUCTURE FOR SOFT CFOMP UTING NMSU
10/31/2001 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: N R PRASAD
Tech. Officer: ARC/B J COLLINS, ARC/A CARDENAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2793 NEW MEXICO STATE UNIV - LAS CRUCES 6796
IP-COMPLIANT SATELLITE ARCHITECTURE STUDY IP-COMPLIANT SATEL-LITE ARCHITECTURE STUDY
07/03/2002 - 06/04/2004 FY02: $0 Total: $0
Prin. Invest.: D HORAN
Tech. Officer: GRC/R SLYWCZAK
CASE Category: 22 – COMPUTER SCIENCE

NAG 4 231 NEW MEXICO STATE UNIV - LAS CRUCES 6797
POWER BEAMING DEMONSTRATOR POWER BEAMING DEMONSTRATOR
08/20/2002 - 07/09/2003 FY02: $0 Total: $0
Prin. Invest.: S B HOTTMAN
Tech. Officer: DFRC/D BUSHMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 3842 NEW MEXICO STATE UNIV - LAS CRUCES 6798
MODELLING X-RAY CLUSTERS: EVOLUTION AND REALISTIC
02/25/1997 - 02/28/2001 FY02: $0 Total: $299,540
Prin. Invest.: A KLYPIN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 4987 NEW MEXICO STATE UNIV - LAS CRUCES 6799
MODEL ATMOSPHERES AND SPECTRA FOR EXTRASOLAR GIANT
06/26/1997 - 06/14/2001 FY02: $0 Total: $127,500
Prin. Invest.: D MARLEY
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 5159 NEW MEXICO STATE UNIV - LAS CRUCES 6800
AN IMAGING SILICON CALORIMETER FOR USE ON ACCESS INCREMENTAL FUNDING FOR FIRST YEAR OF GRANT
03/26/1998 - 12/31/2002 FY02: $0 Total: $209,000
Prin. Invest.: S J STOCHAJ
Tech. Officer: GSFC/B A MERRITT
CASE Category: 11 – ASTRONOMY

NAG 5 5226 NEW MEXICO STATE UNIV - LAS CRUCES 6801
FIRST YEAR FUNDING FOR NAG5-5226
07/06/1999 - 12/31/2002 FY02: $0 Total: $428,000
Prin. Invest.: S J STOCHAJ
Tech. Officer: WSTF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5351 NEW MEXICO STATE UNIV - LAS CRUCES 6802
ESTABLISHMENT AND OPERATION OF THE SUBORBITAL CENT ER OF EXCELLENCE.
01/18/2002 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: S HOTTMAN
Tech. Officer: GSFC/B MERRITT
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 7524 NEW MEXICO STATE UNIV - LAS CRUCES 6803
TRANSPORTATION OF ENERGETIC PARTICLES IN THE GALAX Y - AP-PROVED UNDER NRA 97-OSS-12
06/09/1998 - 06/14/2002 FY02: $0 Total: $34,173
Prin. Invest.: W R WEBBER
Tech. Officer: GSFC/F C JONES
CASE Category: 11 – ASTRONOMY

NAG 5 7795 NEW MEXICO STATE UNIV - LAS CRUCES 6804
A PROPOSAL TO ASSIST IN THE INTERPRETATION OF DATA FROM THE COSMIC RAY ISOTOPE SPECTROMETER EXPERIM
12/10/1998 - 12/31/2002 FY02: $0 Total: $117,422
Prin. Invest.: D R WEBBER
Tech. Officer: GSFC/D C LING
CASE Category: 11 – ASTRONOMY

NAG 5 7904 NEW MEXICO STATE UNIV - LAS CRUCES 6805
ADVANCED IR IMAGING OF SATURN
12/03/1998 - 11/30/2002 FY02: $0 Total: $160,726
Prin. Invest.: D J CHANOVER
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8242 NEW MEXICO STATE UNIV - LAS CRUCES 6806
TESTING INFLATION AND DARK MATTER WITH NEW DATA, M ODELS, AND METHODS (ATP98)
02/19/1999 - 02/28/2003 FY02: $0 Total: $67,392
Prin. Invest.: A KLYPIN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8803 NEW MEXICO STATE UNIV - LAS CRUCES 6807
EFFECTS OF RHEOLOGY ON THE DYNAMICS AND THERMAL EVOLUTION OF MARS AND VENUS
01/06/2000 - 01/14/2003 FY02: $0 Total: $93,600
Prin. Invest.: V SOLOMATOV
Tech. Officer: GSFC/J GRANT
CASE Category: 13 – PHYSICS

NAG 5 8919 NEW MEXICO STATE UNIV - LAS CRUCES 6808
MODEL ATMOSPHERES AND SPECTRA FOR EXTRASOLAR GIANT PLANETS AND BROWN DWARFS
01/21/2000 - 06/14/2003 FY02: $0 Total: $148,515
Prin. Invest.: M MARLEY
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9273 NEW MEXICO STATE UNIV - LAS CRUCES 6809
MODEL ATMOSPHERES AND SPECTRA OF THE L-DWARFS (ATP 99)
03/15/2000 - 03/14/2003 FY02: $0 Total: $86,127
Prin. Invest.: M S MARLEY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9323 NEW MEXICO STATE UNIV - LAS CRUCES 6810
"THE CENTER FOR SPACE TELEMETERING AND TELECOMMUNI CATIONS SYSTEMS", AT THE NEW MEXICO STATE UNIVER
03/31/2000 - 04/30/2003 FY02: $0 Total: $1,060,000
Prin. Invest.: S HORAN
Tech. Officer: GSFC/W H MILLER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10578 NEW MEXICO STATE UNIV - LAS CRUCES 6811
IMPACTS AND THE THERMAL EVOLUTION OF MARS
03/19/2001 - 02/28/2004 FY02: $0 Total: $30,000
Prin. Invest.: V SOLOMATOV
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11164 NEW MEXICO STATE UNIV - LAS CRUCES 6812
DETERMINATION OF MARTIAN POLAR DUST FLUX FROM TES OPACITY OBSERVATIONS
08/06/2001 - 08/14/2003 FY02: $0 Total: $22,000
Prin. Invest.: J R MURPHY
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11311 NEW MEXICO STATE UNIV - LAS CRUCES 6813
NMSU PARTICIPATORY PROJECT IN MESSENGER EXPLORATIO N AND NSIP DEELOPMENT OF STUDENT SCIEN
09/07/2001 - 09/14/2003 FY02: $0 Total: $30,000
Prin. Invest.: H BAPTISTE
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 11 – ASTRONOMY

NAG 5 12068 NEW MEXICO STATE UNIV - LAS CRUCES 6814
RIOSOFT - TECHNOLOGY FOR INTEGRATED BIOLOGICAL PEST MANAGEMENT IN AGRICULTURE
05/22/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: N R PRASAD
Tech. Officer: GSFC/M CAULIELD
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 12123 NEW MEXICO STATE UNIV - LAS CRUCES 6815
INVESTIGATION OF PHYSICAL PROCESSES INVOLVED IN TH E INTERANNUAL VARIABILITY OF MARTIAN DUST
04/30/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: J R MURPHY
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1710 NEW MEXICO STATE UNIV - LAS CRUCES 6816
NANOMETER LASER SPECTROSCOPY USING FRACTAL MEDIA
03/08/2000 - 03/07/2003 FY02: $0 Total: $199,995
Prin. Invest.: C YING
Tech. Officer: MSFC/W LOVE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1291 NEW MEXICO STATE UNIV - LAS CRUCES 6817
STUDY TOWARD A HAND HELD VOLATILE ORGANIC ANALYZER FOR MARS MISSION
04/19/2001 - 12/31/2002 FY02: $0 Total: $202,180
Prin. Invest.: G A EICEMAN
Tech. Officer: JSC/D M RUSSO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 02046 NEW MEXICO STATE UNIV - LAS CRUCES 6818
PYROTECHNICALLY OPERATED VALVES FOR TESTING AND FL IGHT
08/09/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: E G CONLEY
Tech. Officer: SSC/W ST. CYR
CASE Category: 45 – ELECTRICAL ENGR

NAS 5 02083 NEW MEXICO STATE UNIV - LAS CRUCES 6819
RESEARCH INTO THE EARTH'S ULTRAVIOLET NIGHTGLOW FOR DETECTING ULTRA-HIGH ENERGY COSMIC RAY PARTICL
06/19/2002 - 06/18/2003 FY02: $0 Total: $0
Prin. Invest.: S J STOCHAJ, R HULL
Tech. Officer: GSFC/L M BARBER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 5 02087 NEW MEXICO STATE UNIV - LAS CRUCES 6820
DESIGN, MANUFACTURE TEST, & DELIVERY OF 1 PROTOFLI GHT MODEL ANTENNA ASSEMBLY & 4 FLIGHT ANTENNA
06/04/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: B BLEVINS
Tech. Officer: GSFC/A RODRIGUEZ
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 98009 NEW MEXICO STATE UNIV - LAS CRUCES 6821
BALLOON SERVICES
02/17/1998 - 02/28/2003 FY02: $30,000 Total: $55,717,659
Prin. Invest.: N APPLICABLE
Tech. Officer: WFF/R S NOCK, WFF/B A MERRITT
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 422 NEW MEXICO STATE UNIV - LAS CRUCES 6822
SIMULATIONS OF EXTENSIVE AIRWHOWERS USING BEOWULF- CLASS SYSTEMS
09/30/1999 - 08/31/2002 FY02: $0 Total: $138,230
Prin. Invest.: S STOCHAJ
Tech. Officer: GSFC/R E STREITMATTER
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 466 NEW MEXICO STATE UNIV - LAS CRUCES 6823
MATHEMATICS AND SCIENCE EDUCATORS FOR THE FUTURE
03/02/2000 - 02/28/2003 FY02: $0 Total: $340,144
Prin. Invest.: H BAPTISTE
Tech. Officer: GSFC/B WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40061 NEW MEXICO STATE UNIV - LAS CRUCES 6824
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIPPROGRAM.
03/04/1997 - 04/30/2002 FY02: $0 Total: $1,968,000
Prin. Invest.: P HYNES
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40087 NEW MEXICO STATE UNIV - LAS CRUCES 6825
NEW MEXICO SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/16/2001 - 02/14/2005 FY02: $0 Total: $475,000
Prin. Invest.: P HYNES
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT13 52752 NEW MEXICO STATE UNIV - LAS CRUCES 6826
CHARACTERIZATION OF DEFORMED PYROVALVE HOUSING CHARACTER-IZATION OF DEFORMED PYROVALVE HOUSING
06/20/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: E G CONLEY
Tech. Officer: SSC/R P TRAVIS
CASE Category: 46 – MECHANICAL ENGR

NAG 5 10143 SOUTHWESTERN INDIAN POLYTECHNIC INST 6827
STARS ON EARTH, PROVIDING UNDERREPRESENTED NEW MEXICO HIGH SCHOOL STUDENTS WITH RESEARCH EXPER
01/18/2001 - 12/31/2003 FY02: $0 Total: $160,000
Prin. Invest.: K GCHACHU
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 9 1407 SOUTHWESTERN INDIAN POLYTECHNIC INST 6828
SIPI PACE/MSET PROGRAM
06/27/2002 - 06/30/2004 FY02: $0 Total: $0
Prin. Invest.: C L ABEITA
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1312 UNIV OF ALBUQUERQUE 6829
NASA TRAINING PROJECT
09/24/2001 - 09/30/2004 FY02: $0 Total: $450,200
Prin. Invest.: R A LAFARGE
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1439 UNIV OF ALBUQUERQUE 6830
EXPERIMENTAL STUDIES OF PLANETARY MAGMAS AT HIGH P RESSURE
07/26/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: C B AGEE
Tech. Officer: JSC/E K STANSBERY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 9 1449 UNIV OF ALBUQUERQUE 6831
EXPERIMENTAL STUDIES-HIGH PRESSURE LABORATOARY RES EARCY
08/02/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: C B AGEE
Tech. Officer: JSC/E K STANSBERY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 1 2018 UNIV OF NEW MEXICO-ALBUQUERQUE 6832
SIMULATION OF FLOW CONTROL USING DEFORMABLE SURFACES
03/17/1998 - 03/16/2001 FY02: $0 Total: $299,945
Prin. Invest.: C R TRUMAN
Tech. Officer: LARC/R D JOSLIN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1196 UNIV OF NEW MEXICO-ALBUQUERQUE 6833
NASA CENTER FOR AUTONOMOUS CONTROL ENGINEERING (AC) AT THE U/NM
03/26/1998 - 12/14/2000 FY02: $0 Total: $3,434,241
Prin. Invest.: M JAMSHIDI, R LUMIA
Tech. Officer: ARC/G S LEE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1437 UNIV OF NEW MEXICO-ALBUQUERQUE 6834
CHARACTERIZATION & ANALYSIS OF ADVANCED THERMAL PR OTECTION MATERIALS
09/13/2000 - 08/14/2003 FY02: $0 Total: $59,996
Prin. Invest.: R E LOEHMAN
Tech. Officer: ARC/D T ELLERBY, ARC/S M JOHNSON
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 2 1480 UNIV OF NEW MEXICO-ALBUQUERQUE 6835
NASA GROUP UNIV RESEARCH CENTER SECOND FIVE YEARS
05/01/2001 - 08/14/2002 FY02: $0 Total: $760,000
Prin. Invest.: P DORATO
Tech. Officer: ARC/A CARDENAS, ARC/A R GROSS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1516 UNIV OF NEW MEXICO-ALBUQUERQUE 6836
CHARACTERIZATION AND ANALYSIS OF ULTRAHIGH TEMPERA TURE CE-RAMICS
08/15/2001 - 07/31/2003 FY02: $0 Total: $30,000
Prin. Invest.: R E LOEHMAN
Tech. Officer: ARC/D ELLERBY, ARC/S JOHNSON
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 2 1547 UNIV OF NEW MEXICO-ALBUQUERQUE 6837
INTEGRATING THE STOCHASTIC LEARNING AUTOMATA PARAD IGM AND DISTRIBUTED NEURO FUZZY TECHNIQUES INTO A
04/05/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: M JAMSHIDI
Tech. Officer: ARC/R MORRIS, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1553 UNIV OF NEW MEXICO-ALBUQUERQUE 6838
ADVANCED THERMAN PROTECTION MATERIALS BASED ON ULT RA HIGH TEMPERATURE CERAMICS
04/16/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: R LOEHMAN
Tech. Officer: ARC/D T ELLERBY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 1976 UNIV OF NEW MEXICO-ALBUQUERQUE 6839
NEW PHENOMENA IN STRONGLY COUNTERFLOWING HE-II
10/22/1996 - 09/30/2003 FY02: $0 Total: $354,000
Prin. Invest.: S T BOYD, R V DUNCAN, M J ADVIAANS
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2543 UNIV OF NEW MEXICO-ALBUQUERQUE 6840
HIGH EFFICIENCY THERMOELECTRIC RADIOSOTOPE POWER S YSTEMS
02/15/2001 - 12/31/2003 FY02: $29,509 Total: $131,509
Prin. Invest.: M EL-GENK
Tech. Officer: GRC/R L CATALDO
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2626 UNIV OF NEW MEXICO-ALBUQUERQUE 6841
EXPERIMENTS WITH BOUNDARY CONDITIONS FOR JET FLOW SIMULA-TIONS
06/01/2001 - 04/30/2002 FY02: $0 Total: $6,943
Prin. Invest.: T HAGSTROM
Tech. Officer: GRC/J GOODRICH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2692 UNIV OF NEW MEXICO-ALBUQUERQUE 6842
COMPUTATIONAL METHODS FOR JET NOISE SIMULATION COMPUTATIONAL METHODS FOR JET NOISE SIMULATION
01/11/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: D HAGSTROM
Tech. Officer: GRC/J W GOODRICH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 4441 UNIV OF NEW MEXICO-ALBUQUERQUE 6843
PETROLOGY OF PRESOLAR DUST AND ALTERATION IN CHOND
04/28/1997 - 03/31/2002 FY02: $0 Total: $559,000
Prin. Invest.: D J RIETMEIJER
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 6999 UNIV OF NEW MEXICO-ALBUQUERQUE 6844
RIPARIAN ECOSYSTEM RESTORATION: EFFECTS OF FLOODIN G AND VEGETATION TYPEON ANNUAL EVAPOTRANSPI
02/17/1998 - 02/14/2002 FY02: $0 Total: $700,000
Prin. Invest.: C N DAHM
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8454 UNIV OF NEW MEXICO-ALBUQUERQUE 6845
HIGH PERFORMANCE DATA COMPRESSION VLSI ARCHITECTUR E; GSFC CONTROL NO. 3474
04/20/1999 - 04/30/2002 FY02: $0 Total: $460,000
Prin. Invest.: G MAKI
Tech. Officer: GSFC/W H MILLER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 8804 UNIV OF NEW MEXICO-ALBUQUERQUE 6846
MARTIN IMPACT CRATER HYDROTHERMAL SYSTEMS, CLUES FROM THE LONAR CRATER, INDIA.
01/06/2000 - 01/14/2003 FY02: $0 Total: $48,945
Prin. Invest.: H NEWSOM
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8821 UNIV OF NEW MEXICO-ALBUQUERQUE 6847
BIOMIMETIC SELF-ASSEMMBLY OF HARDENED (NACRE-LIKE) COMPOSITE COATINGS FOR TRANSHAB
09/21/1999 - 08/31/2002 FY02: $0 Total: $492,748
Prin. Invest.: J BRINKER
Tech. Officer: GSFC/R CROUCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9402 UNIV OF NEW MEXICO-ALBUQUERQUE 6848
″BIT PLANE ENCODER/DECODER FOR HPDC″, FOR THE UNIV ERSITY OF NEW MEXICO, CONTROL #5-3524.
04/25/2000 - 06/30/2002 FY02: $0 Total: $720,000
Prin. Invest.: G MAKI
Tech. Officer: GSFC/W H MILLER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9463 UNIV OF NEW MEXICO-ALBUQUERQUE 6849
MICROBEAM STUDIES OF PLANETARY MATERIALS
04/18/2000 - 02/14/2003 FY02: $0 Total: $516,800
Prin. Invest.: J J PAPIKE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9469 UNIV OF NEW MEXICO-ALBUQUERQUE 6850
RECONFIGURABLE DATA PATH PROCESSOR
04/17/2000 - 06/30/2002 FY02: $0 Total: $510,000
Prin. Invest.: G DONOHOE
Tech. Officer: GSFC/P YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9704 UNIV OF NEW MEXICO-ALBUQUERQUE 6851
SOFTWARE DEVELOPMENT ENVIRONMENT FOR A RECONFIGURA BLE PROCESSOR
06/22/2000 - 07/31/2002 FY02: $0 Total: $483,010
Prin. Invest.: G W DONOHOE
Tech. Officer: GSFC/W H MILLER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9798 UNIV OF NEW MEXICO-ALBUQUERQUE 6852
FORMATION AND ALTERATION HISTORIES OF CHONDRITIC MATERIAL
07/13/2000 - 06/30/2003 FY02: $0 Total: $125,000
Prin. Invest.: A BREARLEY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10337 UNIV OF NEW MEXICO-ALBUQUERQUE 6853
"ULTRA-LOW POWER RADIATION TOLERANT CMOS VLSI", RENEWAL OF GRANT NAG5-9152, PROPOSAL CONTROL #5-35
02/07/2001 - 03/14/2002 FY02: $0 Total: $995,760
Prin. Invest.: G K MAKI
Tech. Officer: GSFC/W H MILLER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10359 UNIV OF NEW MEXICO-ALBUQUERQUE 6854
NEUTRON AND HIGH ENERGY PARTICLE DETECTION WITH CRYOGENICS CALORIMETERS
02/01/2001 - 01/14/2004 FY02: $0 Total: $132,997
Prin. Invest.: S BOYD
Tech. Officer: GSFC/M LI
CASE Category: 13 – PHYSICS

NAG 5 10372 UNIV OF NEW MEXICO-ALBUQUERQUE 6855
SEMICONDUCTOR- RING -LASER-BASED ROTATION SENSORS PROPOSAL #293.
02/15/2001 - 02/14/2004 FY02: $0 Total: $326,882
Prin. Invest.: M OSINSKI
Tech. Officer: GSFC/J GAMBINO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10373 UNIV OF NEW MEXICO-ALBUQUERQUE 6856
SOLID STATE OPTICAL REFRIGERATORS FOR SPACE MISSIO NS, PROPOSAL #214
03/27/2001 - 03/14/2004 FY02: $0 Total: $300,000
Prin. Invest.: R I EPSTEIN
Tech. Officer: GSFC/E R CANAVAN
CASE Category: 13 – PHYSICS

NAG 5 10918 UNIV OF NEW MEXICO-ALBUQUERQUE 6857
HELIOSEISMIC METROLOGY
05/14/2001 - 05/31/2004 FY02: $0 Total: $114,667
Prin. Invest.: S JEFFERIES
Tech. Officer: GSFC/J GURMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10960 UNIV OF NEW MEXICO-ALBUQUERQUE 6858
HIGH PERFORMANCE ULTRA-LOW POWER RADIATION TOLERANT CMOS VLSI
06/11/2001 - 06/14/2002 FY02: $0 Total: $407,038
Prin. Invest.: G K MAKI
Tech. Officer: GSFC/P YEP
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11496 UNIV OF NEW MEXICO-ALBUQUERQUE 6859
MARTIAN IMPACT CRATER HYDROTHERMAL SYSTEMS, CLUES FROM THE LONAR CRATER,INDIA, AND OTHER TERRESTRIAL
12/27/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: H E NEWSOM
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11555 UNIV OF NEW MEXICO-ALBUQUERQUE 6860
GEOCHRONOLOGY OF PLANETARY MATERIALS: A PETROLOGIC APPROACH
01/09/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: L BORG
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11561 UNIV OF NEW MEXICO-ALBUQUERQUE 6861
THE VIRTUAL COLLABORATIVE CLINIC: AN EARTH-BASED MODEL FOR SPACE MEDI- CINE APPLICATIONS FOR INTERN
01/17/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: P J BOYCE
Tech. Officer: GSFC/L P CHAMBERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11762 UNIV OF NEW MEXICO-ALBUQUERQUE 6862
PETROLOGY OF HIERARCHICAL DUST ACCRETION IN AGGREG ATE IDPS
02/19/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: F J RIETMEIJER
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11764 UNIV OF NEW MEXICO-ALBUQUERQUE 6863
EXTRATERRESTRAL STUDIES USING NUCLEAR INTERACTIONS
02/19/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: R C REEDY
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11862 UNIV OF NEW MEXICO-ALBUQUERQUE 6864
MECHANISMS AND KINETICS OF AQUEOUS ALTERATION REAC TIONS IN CHONDRITIC METEORITES
03/11/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: A BREARLY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11976 UNIV OF NEW MEXICO-ALBUQUERQUE 6865
AQUISITION OF AN ELECTRON MICROPROBE
04/08/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: J J PIPIKE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12364 UNIV OF NEW MEXICO-ALBUQUERQUE 6866
THE STRUCTURAL CHANGES OF TROPICAL CYCLONES UPON I NTERACTION WITH VERTICAL WIND SHEAR
07/22/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: E A RITCHIE-TYO
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1664 UNIV OF NEW MEXICO-ALBUQUERQUE 6867
RESEARCH
06/01/2000 - 05/31/2003 FY02: $0 Total: $200,000
Prin. Invest.: M OSINSKI
Tech. Officer: MSFC/M D WATSON
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1758 UNIV OF NEW MEXICO-ALBUQUERQUE 6868
BASIC AWARD FOR RESEARCH STUDY ENTITLED, "SURFACE PHYSICS WITH HELIUM CRYSTALS IN MICROGRAVITY"
04/24/2001 - 04/29/2003 FY02: $0 Total: $80,000
Prin. Invest.: A V BABKIN
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 995 UNIV OF NEW MEXICO-ALBUQUERQUE 6869
DESIGN & DEVELOP INTELLIGENT BIOMIMETIC ROBOTS
03/12/1998 - 07/30/2001 FY02: $0 Total: $300,000
Prin. Invest.: M SHAHINPOOR
Tech. Officer: JSC/K KRISHEN
CASE Category: 45 – ELECTRICAL ENGR

NAG 9 1017 UNIV OF NEW MEXICO-ALBUQUERQUE 6870
STIMULUS FOR STUDENTS TO STUDY PRE COLL MATH
05/28/1998 - 07/31/2002 FY02: $0 Total: $297,351
Prin. Invest.: H E NEWSOM
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1111 UNIV OF NEW MEXICO-ALBUQUERQUE 6871
INST FOR THE STUDY OF BIOMARKERS IN ASTROMATERIALS
05/14/1999 - 05/13/2003 FY02: $0 Total: $150,000
Prin. Invest.: J J PAPIKE
Tech. Officer: JSC/E K GIBSON
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 9 1303 UNIV OF NEW MEXICO-ALBUQUERQUE 6872
PHOTOVOLTAIC DIRECT DRIVE ICE STORAGE REFRIGERATIO N CONCEPT
06/06/2001 - 06/06/2002 FY02: $0 Total: $0
Prin. Invest.: R FOSTER
Tech. Officer: JSC/M K EWERT
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1324 UNIV OF NEW MEXICO-ALBUQUERQUE 6873
ADVANCED CO2 REMOVAL SYSTEM USING AMINE FUNCTIONAL IZED MEMBRANES
07/20/2001 - 07/19/2003 FY02: $0 Total: $95,000
Prin. Invest.: J BRINKER
Tech. Officer: JSC/G THOMAS
CASE Category: 42 – ASTRONAUTICAL ENGR

NAS 3 00103 UNIV OF NEW MEXICO-ALBUQUERQUE 6874
MULTIPLE PR'S FOR THIS ACTION: 132514,132514F BREAKTHROUGH PRO- PULSION PHYSICS
01/19/2000 - 04/09/2002 FY02: $0 Total: $170,353
Prin. Invest.: K J MALLOY
Tech. Officer: GRC/M G MILLIS
CASE Category: 13 – PHYSICS

NCC 1 02008 UNIV OF NEW MEXICO-ALBUQUERQUE 6875
ADVANCED PARTICLE RADIATION TRANSPORT METHODS
02/04/2002 - 02/03/2003 FY02: $0 Total: $0
Prin. Invest.: A PRINJA
Tech. Officer: LARC/R C SINGLETERRY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 309 UNIV OF NEW MEXICO-ALBUQUERQUE 6876
PERFORMING A REGIONAL ASSESSMENT & PROTOTYPING INTERNET ACCESSIBLE MTPE PRODUCTS TO THE UPPER RIO
04/09/1998 - 02/28/2003 FY02: $0 Total: $2,078,687
Prin. Invest.: S MORAIN
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 350 UNIV OF NEW MEXICO-ALBUQUERQUE 6877
PREPARATION FOR UNVIERSITY OF STUDENTS IN UNDEGRAD UATE EDUCATION
07/01/1998 - 07/31/2003 FY02: $0 Total: $1,996,587
Prin. Invest.: L CROSSEY
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC13 98002 UNIV OF NEW MEXICO-ALBUQUERQUE 6878
AFFILATED RESEARCH CENTER PROGRAM-COMMERCIAL RE- MOTE SENS- ING PARTNERSHIPS WITH INDUSTRY
08/11/1998 - 08/10/2002 FY02: $0 Total: $574,681
Prin. Invest.: S A MORAIN, S A MORAIN
Tech. Officer: SSC/A PEEK
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 1 02017 UNIV OF NEW MEXICO-ALBUQUERQUE 6879
GRADUATE STUDENT RESEARCHER PROGRAM (GSRP)
06/18/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: R LAFARGE
Tech. Officer: LARC/M V RUIZ
CASE Category: 46 – MECHANICAL ENGR

NGT 5 30227 UNIV OF NEW MEXICO-ALBUQUERQUE 6880
CLIMATIC WATER BALANCE AND THE DYNAMICS OF PINYON- JUNIPER
09/19/2000 - 08/31/2001 FY02: $0 Total: $14,000
Prin. Invest.: B MILNE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52915 UNIV OF NEW MEXICO-ALBUQUERQUE 6881
A STUDY OF ROCKING RIDID BLOCKS
05/24/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: T ROSS
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 44 – CIVIL ENGR

NGT 9 31 UNIV OF NEW MEXICO-ALBUQUERQUE 6882
TRAINING GRANT
06/03/1998 - 08/01/2001 FY02: $0 Total: $66,000
Prin. Invest.: C D HERD
Tech. Officer: JSC/J H JONES, JSC/D SICKORREZ
CASE Category: 32 – GEOLOGICAL SCIENCE

NEW YORK

NAG 5 11863 BARNARD COLL 6883
"8TH MEETING OF THE SOCIETY FOR RESEARCH ON BIOLOG ICAL RHYTHMS
03/12/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: R SILVER
Tech. Officer: GSFC/L P CHAMBERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7473 CAYUGA COUNTY COMM COLL 6884
DEFINING EARTH SYSTEM ENTERPRISE INFO NEEDS & PILOT PROGRAMS FOR UTILIZATION BY LOCAL GOVERNMENT
06/15/1998 - 06/14/2003 FY02: $0 Total: $3,450,000
Prin. Invest.: R BROWN
Tech. Officer: GSFC/W CAMPBELL
CASE Category: 22 – COMPUTER SCIENCE

NAG13 00043 CAYUGA COUNTY COMM COLL 6885
SPATIAL INFORMATION TECHNOLOGY CENTER AT FULTON MONTGOMERY COMM COLL
09/27/2000 - 09/26/2003 FY02: $0 Total: $1,491,400
Prin. Invest.: R FRESTOPKIK
Tech. Officer: SSC/D POWE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 00044 CAYUGA COUNTY COMM COLL 6886
PHASE III:DEPLOYING ESE PILOT INFORMATION PROGRAMS FOR STATE & LOCAL GOVERNMENT INTHE NORTHEAST
09/27/2000 - 09/26/2003 FY02: $0 Total: $10,110,000
Prin. Invest.: R BROWER
Tech. Officer: SSC/M MICK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 02053 CAYUGA COUNTY COMM COLL 6887
SPATIAL INFORMATION TECHNOLOGY CENTER AT FULTON MONTGOMERY COMM COLL THIRDYEAR OPERATION
08/23/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: M FLINTON
Tech. Officer: SSC/W DAMAGGIO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11546 CITY UNIV NEW YORK KINGSBOROUGH COMM COLL 6888
PETROLOGIC-GEOCHEMICAL STUDIES OF PRIMITIVE SOLAR SYSTEM MATERIALS
01/08/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: M WEISBERG
Tech. Officer: HQ/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 3 2268 CITY UNIV OF NY HERBERT H. LEHMAN COLL 6889
MATHEMATICS, SCIENCE AND TECHNOLOGY WITH EXCELLENC E IN RESEARCH: A SCIENCE AND TECHNOLOGY ENTRY PR
05/17/1999 - 08/31/2002 FY02: $0 Total: $300,000
Prin. Invest.: A L ROTHSETIN
Tech. Officer: GRC/R F LAWRENCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7532 CITY UNIV COLL OF NEW YORK YORK COLL 6890
LET'S DO SCIENCE
06/11/1998 - 05/31/2001 FY02: $0 Total: $583,704
Prin. Invest.: J SCHLEIN
Tech. Officer: GSFC/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10152 CITY UNIV COLL OF NEW YORK YORK COLL 6891
YORK COLL OBSERVATORY EDUCATIONAL OUTREACH SVC. TO THE COLL& THE PUBLIC SCHOOL COMM
12/08/2000 - 12/31/2003 FY02: $0 Total: $154,000
Prin. Invest.: M SPERGEL
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 1 2028 CITY UNIV OF NEW YORK CITY COLL 6892
EIGENSTRUCTURE ASSIGNMENT FOR FAULT TOLERANT FLIGHT CONTROL DESIGN
03/09/1998 - 01/31/2002 FY02: $0 Total: $298,796
Prin. Invest.: K SOBEL
Tech. Officer: LARC/S M JOSHI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2259 CITY UNIV OF NEW YORK CITY COLL 6893
IRA (INSTAL RESEARCH AWARD) PROGRAM TRANSFER NAGW5-6952
01/19/2000 - 11/30/2002 FY02: $0 Total: $1,000,000
Prin. Invest.: R A ALFANO
Tech. Officer: LARC/N P BARNES, LARC/J C BARNES
CASE Category: 13 – PHYSICS

NAG 3 2074 CITY UNIV OF NEW YORK CITY COLL 6894
PICOSECOND GATED OPTICAL IMAGIG OF DENSE FUEL SPRA YS
09/17/1997 - 07/15/2001 FY02: $0 Total: $299,322
Prin. Invest.: P P HO
Tech. Officer: GRC/K J BREISACHER, GRC/L LIOU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2163 CITY UNIV OF NEW YORK CITY COLL 6895
HIGH RESOLUTION EXPERIMENTS OF COMPRESSIBLE TURBUL ENCE INTERACTING WITH EXPANSION OR SHOCK WAVES
08/24/1998 - 04/05/2001 FY02: $0 Total: $300,000
Prin. Invest.: Y ANDREOPOULOS
Tech. Officer: GRC/D O DAVIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2167 CITY UNIV OF NEW YORK CITY COLL 6896
USING SURFACTANTS TO ENHANCE THERMOCAPILLARY MIGRA TION OF BUBBLES & DROPS & FACILITATE DROP SPREADI
05/26/1998 - 09/30/2001 FY02: $0 Total: $299,820
Prin. Invest.: C MALDARELLI, R BALASUBRAMANIAN
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2258 CITY UNIV OF NEW YORK CITY COLL 6897
SCIENCE AND TECHNOLOGY TEACHERS FOR THE NEXT MILLE NNIUM PHASE II (MASTAP)
05/03/1999 - 03/22/2002 FY02: $0 Total: $600,000
Prin. Invest.: L P JOHNSON
Tech. Officer: GRC/R F LAWRENCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2259 CITY UNIV OF NEW YORK CITY COLL 6898
ULTRASONIC ASSESSMENT OF IMPACT-INDUCED DAMAGE AND MICROCRACKING IN POLYMER MATRIX COMPOSITES
05/05/1999 - 01/31/2003 FY02: $0 Total: $200,000
Prin. Invest.: B LIAW
Tech. Officer: GRC/K J BOWLES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2335 CITY UNIV OF NEW YORK CITY COLL 6899
MOLECULAR DYNAMICS OF FLUID-SOLID SYSTEMS MOLECULAR DYNAMICS OF FLUID-SOLID SYSTEMS
02/17/2000 - 11/30/2003 FY02: $0 Total: $75,085
Prin. Invest.: D KOPLIK
Tech. Officer: GRC/F P CHIARMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2698 CITY UNIV OF NEW YORK CITY COLL 6900
PARTICLE SEGREGATION IN A FLOWING CONCENTRATED SUS PENSION SUBJECT TO HIGH-GRADIENT STRONG ELECTRIC
01/29/2002 - 10/31/2005 FY02: $0 Total: $0
Prin. Invest.: D ACHRIVOS
Tech. Officer: GRC/M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2720 CITY UNIV OF NEW YORK CITY COLL 6901
USING REMOBILIZING SURFICANTS TO ENHANCE THE THERM OCAPILLARY MIGRATION OF BUBBLES RETARDED BY THE A
02/27/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: D MALDARELLI
Tech. Officer: GRC/M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 4911 CITY UNIV OF NEW YORK CITY COLL 6902
ADVANCING MINORITIES IN SCIENCE AND ENGINEERING ED
07/16/1997 - 08/31/2001 FY02: $0 Total: $633,325
Prin. Invest.: J BARBA
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7129 CITY UNIV OF NEW YORK CITY COLL 6903
ROBUST ALGORITHMS FOR IMAGE REGISTRATION
03/11/1998 - 09/30/2001 FY02: $0 Total: $300,000
Prin. Invest.: G WOLBERG
Tech. Officer: GSFC/J TILTON
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 7160 CITY UNIV OF NEW YORK CITY COLL 6904
HIGH DENSITY SOLID STATE MEMORIES
03/11/1998 - 03/14/2002 FY02: $0 Total: $294,347
Prin. Invest.: N SCHEINBERG
Tech. Officer: GSFC/H SHAW
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 7827 CITY UNIV OF NEW YORK CITY COLL 6905
WINDS, WATER BUDGETS, AND STABLE ISOTOPES IN TROPI CAL CYCLONES USING TRMM AND QUICKSCAT
12/14/1998 - 12/14/2002 FY02: $0 Total: $204,552
Prin. Invest.: S GEDZELMAN
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9732 CITY UNIV OF NEW YORK CITY COLL 6906
THE STUDENT POLARIMETER AEROSOL & CLOUD EXPERIMENT (SPACE)
06/20/2000 - 12/31/2001 FY02: $0 Total: $100,000
Prin. Invest.: F MOSHARY
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10845 CITY UNIV OF NEW YORK CITY COLL 6907
ADVANCING MINORITIES IN SCIENCE AND ENGINEERING EDUCATION
05/01/2001 - 05/14/2002 FY02: $0 Total: $157,608
Prin. Invest.: J BARBA
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11690 CITY UNIV OF NEW YORK CITY COLL 6908
CIO MEASUREMENTS & ANALYSIS IN THE NETWORK FOR THE DETECTION OF STRATOSPHERIC CHANGE
01/31/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: P M SOLOMON
Tech. Officer: GSFC/M KURYLO
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11813 CITY UNIV OF NEW YORK CITY COLL 6909
COMBINING ACTIVE & PASSIVE OPTICAL REMOTE SENSING TECHNIQUES TO MEASURE TROPOSPHERIC AEROSOL PROFILE
03/05/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: B GROSS
Tech. Officer: GSFC/B CARLSON
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 607 CITY UNIV OF NEW YORK CITY COLL 6910
THE SYNERGISM OF ELECTRORHEOLOGICAL RESPONSE, DIEL ETROPHORESIS AND SHEAR-INDUCED DIFFUSION IN FLOWI
04/07/1998 - 07/31/2002 FY02: $0 Total: $296,250
Prin. Invest.: A ACRIVOS
Tech. Officer: GRC/F D CHIARAMONTE
CASE Category: 46 – MECHANICAL ENGR

NCC 5 98 CITY UNIV OF NEW YORK CITY COLL 6911
AN URBAN COLLABORATION FOR NETWORK CONNECTIVITY AND INTERNET ACCESS
09/13/1995 - 11/14/2000 FY02: $0 Total: $2,423,500
Prin. Invest.: S AUSTIN
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 343 CITY UNIV OF NEW YORK CITY COLL 6912
COOPERATIVE RESEARCH & EDUCATION PROGRAM: INST ON CLIMATE AND PLANETS
06/23/1998 - 12/31/2000 FY02: $0 Total: $782,194
Prin. Invest.: N A PARKER
Tech. Officer: GSFC/L TRAVIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 344 CITY UNIV OF NEW YORK CITY COLL 6913
INTEGRATION OF RESEARCH AND EDUCATION IN REMOTE SE NSING AND ENVIRONMENTAL CLIMATE RESEA
07/15/1998 - 06/30/2003 FY02: $0 Total: $2,000,000
Prin. Invest.: R KHANBILVARDI
Tech. Officer: HQ/B WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 425 CITY UNIV OF NEW YORK CITY COLL 6914
ATMOSPHERIC/OCEAN & ENVIRONMENTAL SCIENCE RESEARCH PROGRAM PHASE II. RESEARCH FOUNDATION OF CUNY
08/27/1999 - 08/31/2001 FY02: $0 Total: $0
Prin. Invest.: L P JOHNSON
Tech. Officer: GSFC/J HANSEN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 5 427 CITY UNIV OF NEW YORK CITY COLL 6915
AN INTEGRATED ATMOSPHERIC, WATER & LAND-COVER/LAND -USE RESEARCH & TRAINING PROGRAM COMBINING ON-SIT
09/03/1999 - 08/31/2001 FY02: $0 Total: $0
Prin. Invest.: F MOSHAIR
Tech. Officer: GSFC/A LACIS
CASE Category: 45 – ELECTRICAL ENGR

NCC 5 520 CITY UNIV OF NEW YORK CITY COLL 6916
COOPERATIVE RESEARCH & EDUCATION PROGRAM: INST. ON CLIMATE & PLANETS.
11/02/2000 - 12/31/2002 FY02: $0 Total: $349,123
Prin. Invest.: N A PARKER
Tech. Officer: GSFC/L TRAVIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 530 CITY UNIV OF NEW YORK CITY COLL 6917
AN URBAN COLLABORATION FOR NETWORKS CONNECTIVITY & INTERNET ACCESS/MUSPINNRTS PROGRAM.
02/01/2001 - 01/31/2004 FY02: $0 Total: $399,765
Prin. Invest.: S AUSTIN
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10645 CITY UNIV OF NEW YORK SYSTEM 6918
EVALUATION OF SNOW WATER EQUIVALENT ACROSS GRASS LAND REGIONS - HUNTER COLL
03/20/2001 - 06/30/2001 FY02: $0 Total: $0
Prin. Invest.: A FREI
Tech. Officer: GSFC/P R HOUSER
CASE Category: 11 – ASTRONOMY

NAG 5 12280 CITY UNIV OF NEW YORK SYSTEM 6919
ADVANCING MINORITIES IN SCIENCE AND ENGINEERING EDUCATION
06/11/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: J BARBA
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 654 CITY UNIV OF NEW YORK SYSTEM 6920
TECHNOLOGY INTEGRATED PROGRAM FOR PREPARATION OF T OMORROW'S MSET TEACHERS
08/19/2002 - 08/30/2005 FY02: $0 Total: $0
Prin. Invest.: M WEINER
Tech. Officer: GSFC/M MATEU
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2393 CLARKSON UNIV 6921
QUANTIFICATION OF ENERGY RELEASE IN COMPOSITE STRU CTURES
04/18/2000 - 09/30/2002 FY02: $0 Total: $49,529
Prin. Invest.: D MINNETYAN
Tech. Officer: GRC/C C CHAMIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2394 CLARKSON UNIV 6922
TEST-FREE FRACTURE TOUGHNESS, REF. #00169 TEST-FREE FRACTURE TOUGHNESS, REF. #00169
04/18/2000 - 09/30/2002 FY02: $0 Total: $50,554
Prin. Invest.: D MINNETYAN
Tech. Officer: GRC/C C CHAMIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2609 CLARKSON UNIV 6923
COMPUTATIONAL SIMULATION OF COMPOSTE STRUCTURAL FA TIGUE
05/16/2001 - 05/31/2004 FY02: $0 Total: $25,118
Prin. Invest.: D MINNETYAN
Tech. Officer: GRC/C C CHAMIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2703 CLARKSON UNIV 6924
MOTIN OF DROPS ON SURFACES WITH WETTABILITY GRADIE NTS
02/07/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: R SUBRAMAIAN
Tech. Officer: GRC/M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2717 CLARKSON UNIV 6925
CONSTITUTIVE RELATION IN TRANSITIONAL GRANULAR FLO WS, REF #01233
02/27/2002 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: D H SHEN
Tech. Officer: GRC/R D GREEN
CASE Category: 49 – ENGINEERING, OTHER

NAG 8 1482 CLARKSON UNIV 6926
R/S INPROVED CRYSTAL QUALITY BY DETACHED SOLIDIFICATION IN MICROGRAVITY
02/12/1998 - 01/31/2003 FY02: $0 Total: $340,417
Prin. Invest.: L L REGEL
Tech. Officer: MSFC/C TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1703 CLARKSON UNIV 6927
RESIDUAL GAS EFFECTS ON DETACHED SOLIDIFICATION IN MICROGRAVITY
06/22/2000 - 11/28/2003 FY02: $0 Total: $135,000
Prin. Invest.: W R WILCOX
Tech. Officer: MSFC/P DOTY
CASE Category: 12 – CHEMISTRY

NGT 1 52214 CLARKSON UNIV 6928
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) YEAR 1
06/10/1999 - 06/30/2002 FY02: $0 Total: $44,000
Prin. Invest.: M N GLAUSER
Tech. Officer: LARC/C S YAO
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52222 CLARKSON UNIV 6929
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/29/1999 - 06/30/2002 FY02: $0 Total: $56,001
Prin. Invest.: R F SCHMIT, M GLAUSER
Tech. Officer: LARC/J JUANG, LARC/L HORTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1345 COLUMBIA UNIV 6930
DEVELOPMENT & FUNCTION OF THE MOUSE VESTIBULAR SYS TEM IN THE ABSENCE OF GRAVITY PERCEPTION
07/16/1999 - 07/14/2003 FY02: $0 Total: $429,061
Prin. Invest.: D J WOLGEMUTH
Tech. Officer: ARC/M M AVRENER, ARC/G C JAHN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 618 COLUMBIA UNIV 6931
X-RAY ASTRONOMY
07/23/1990 - 06/30/2001 FY02: $0 Total: $8,461,663
Prin. Invest.: R NOVICK, W H-M KU, M VARTANIAN
Tech. Officer: GSFC/L J EARLY, GSFC/R H PLESS
CASE Category: 13 – PHYSICS

NAG 5 3502 COLUMBIA UNIV 6932
SN 1987A: FORMATION OF A SUPERNOVA REMNANT
12/11/1996 - 12/14/2001 FY02: $0 Total: $583,500
Prin. Invest.: A P CROTTS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 4649 **COLUMBIA UNIV** **6933**
EARLY DIFFERENTIATION OF THE MOON:EXPERIMENTAL AND
06/11/1997 - 11/30/2002 FY02: $0 Total: $710,000
Prin. Invest.: D LONGHI
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 5123 **COLUMBIA UNIV** **6934**
X-RAY SPECTROSCOPIC LABORATORY EXPERIMENTS IN SUPPORT OF THE NASA X-RAY ASTRONOMY PROGRAM
02/20/1997 - 05/31/2003 FY02: $0 Total: $708,400
Prin. Invest.: S M KAHN
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5254 **COLUMBIA UNIV** **6935**
HIGH-PERFORMANCE MULTILAYER COATINGS FOR THE NEXT GENERATION OF HIGH-RESOLUTION X-RAY OPTICS
02/22/2000 - 02/03/2003 FY02: $0 Total: $380,000
Prin. Invest.: D L WINDT
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5260 **COLUMBIA UNIV** **6936**
THERMALLY-FORMED GALASS OPTICS FOR X-RAY AND GAMMA-RAY MISSIONS
02/18/2000 - 02/10/2003 FY02: $0 Total: $374,000
Prin. Invest.: C J HAILEY
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 5261 **COLUMBIA UNIV** **6937**
MEASUREMENTS, CALCULATIONS, AND ASTROPHYSICAL IMPLICATIONS OF NEW LOW TEMPERATURE DIELECTRONIC
02/11/2000 - 02/10/2003 FY02: $0 Total: $233,040
Prin. Invest.: D W SAVIN
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5275 **COLUMBIA UNIV** **6938**
FUNDING FOR PHASE 1 OF SPACE PROJECT FUNDING FOR PHASE 1 OF SPACE PROJECT
04/17/2000 - 04/13/2006 FY02: $0 Total: $299,510
Prin. Invest.: B CAIRNS
Tech. Officer: GSFC/D L PIERCE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 5280 **COLUMBIA UNIV** **6939**
DEVELOPMENT OF XENON TIME PROJECTION CHAMBERS FOR PRECISDE COMPTON IMAGING OF ASTROPHYSICAL LINES
05/31/2000 - 12/31/2002 FY02: $0 Total: $757,500
Prin. Invest.: E APRILE
Tech. Officer: GSFC/B A MERRITT
CASE Category: 11 – ASTRONOMY

NAG 5 6035 **COLUMBIA UNIV** **6940**
SURFING THE HIGH DENSITY UNIVERSE
10/03/1997 - 09/30/2002 FY02: $0 Total: $486,800
Prin. Invest.: D HELFAND
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6450 **COLUMBIA UNIV** **6941**
PRODUCTION AND ANALYSIS OF GLOBAL WAVE AND PHOTOSY NTHETICALLY ACTIVE SURFACE IRRADIANCE FIELDS U
10/31/1997 - 06/30/2002 FY02: $0 Total: $485,933
Prin. Invest.: J A BISHOP
Tech. Officer: GSFC/J A MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 6876 **COLUMBIA UNIV** **6942**
INFLUENCE OF ARCTIC SEA ICE ON NATURAL AND ANTHROP OGENICALLY-INDUCED CLIMATE VATIABILITY
01/30/1998 - 03/31/2003 FY02: $0 Total: $235,200
Prin. Invest.: D G MARTINSON
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6877 **COLUMBIA UNIV** **6943**
MONSOONS, TIDAL MIXING AND PRODUCTIVITY IN THE BAN DA SEA, INDONESIA
02/10/1998 - 12/31/2001 FY02: $0 Total: $554,232
Prin. Invest.: T TAKAHASHI
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7044 **COLUMBIA UNIV** **6944**
ASSESSING CURRENT AND POTENTIAL USE OF CLIMATE FOR ECASTS FOR COMMUNAL FARM MANAGEMENT IN ZIMBABWE
03/05/1998 - 08/31/2001 FY02: $0 Total: $102,621
Prin. Invest.: M A CANE
Tech. Officer: GSFC/D RIND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7461 **COLUMBIA UNIV** **6945**
POLYNYAS, PREDATORS AND PACK ICE VARIABILITY IN TH E SOUTHERN OCEAN
10/26/1998 - 12/31/2002 FY02: $0 Total: $249,868
Prin. Invest.: S S JACOBS
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7687 **COLUMBIA UNIV** **6946**
SURFACE SOLAR RADIATION SOLAR BASE
09/17/1998 - 08/31/2001 FY02: $0 Total: $300,429
Prin. Invest.: G KUKLA
Tech. Officer: GSFC/M IMISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7737 **COLUMBIA UNIV** **6947**
SCIENCE AND CALIBRATION SUPPORT FOR THE REFLECTING GRATING SPECTROMETER ON THE X-RAY MULTI-MIRROR M
10/01/1998 - 03/31/2004 FY02: $0 Total: $2,033,750
Prin. Invest.: S M KAHN
Tech. Officer: GSFC/N E WHITE
CASE Category: 11 – ASTRONOMY

NAG 5 7814 **COLUMBIA UNIV** **6948**
NEW ASCA AND ROSAT OBSERVATIONS OF ROTATION-POWERE D PULSARS__- ADP 98
12/03/1998 - 12/14/2001 FY02: $0 Total: $72,728
Prin. Invest.: J P HALPERN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7922 COLUMBIA UNIV 6949
EFFECT OF HISTORICAL AND PROJECTED CLIMATE CHANGE ON SOUTHERN OCEAN SEA ICE AND ANTARCTIC MASSBALAN
12/21/1998 - 12/31/2002 FY02: $0 Total: $93,000
Prin. Invest.: D MARTINSON
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7935 COLUMBIA UNIV 6950
THE NATURE OF RADIO-QUIET X-RAY PULSARS IN SUPERNO VA REMNANTS __(LTSA-98)
12/14/1998 - 12/31/2003 FY02: $0 Total: $339,196
Prin. Invest.: E V GOTTHELF
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7977 COLUMBIA UNIV 6951
ACCRETION RATES IN CATACLYSMIC VARIABLES (ADP98)
12/23/1998 - 12/31/2001 FY02: $0 Total: $106,810
Prin. Invest.: J O PATTERSON
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8675 COLUMBIA UNIV 6952
HYDRODYNAMIC INSTABILITIES AND EDDY-MEAN FLOW INTE RACTION IN THE SOUTHERN OCEAN
07/08/1999 - 07/14/2001 FY02: $0 Total: $131,482
Prin. Invest.: D L WITTER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8725 COLUMBIA UNIV 6953
SEASONAL AND INTERANNUAL VARIABILITY OF AIR-SEA-IC E COUPLING PROCESSES IN THE SUBPOLAR SOUTHERN OC
08/04/1999 - 08/31/2002 FY02: $0 Total: $184,254
Prin. Invest.: X YUAN
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8848 COLUMBIA UNIV 6954
FIRST YEAR FUNDING FOR SENH99-0121, LANDSLIDE MECHANISMS & HAZARD ASSESSMENT IN MOUNTAIN REGIONS
12/16/1999 - 12/31/2002 FY02: $0 Total: $315,761
Prin. Invest.: J K WEISSEL
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9056 COLUMBIA UNIV 6955
CONTINENT-WIDE ESTIMATION AND CALIBRATION OF CATCH MENT HYDROLOGIC PARAMETERS USING SRTM AND LASER
02/15/2000 - 02/28/2003 FY02: $0 Total: $71,693
Prin. Invest.: C P STARK
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9060 COLUMBIA UNIV 6956
IMPROVED ESTIMATES OF ANTARCTIC ICE SHEET VOLUME BASED ON INVERSION OF GRAVITY DATA & OTHER POTEN
02/10/2000 - 02/14/2002 FY02: $0 Total: $139,000
Prin. Invest.: R E BELL
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9094 COLUMBIA UNIV 6957
TESTING FOR X-RAY PERIODICITIES IN SEYFERT GALAXIE S - ADP 99
02/18/2000 - 02/28/2002 FY02: $0 Total: $22,152
Prin. Invest.: J P HALPERN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9095 COLUMBIA UNIV 6958
ASCA OBSERVATIONS OF HIGH-ENERGY GAMMA-RAY SOURCES -ADP 99
02/18/2000 - 02/28/2002 FY02: $0 Total: $49,911
Prin. Invest.: J P HALPERN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9136 COLUMBIA UNIV 6959
ON THE EVOLUTION OF YOUNG NEUTRON STARS: ANOMALOUS COMPACT OBJECTS WITHIN SUPERNOVA REMNANTS
03/01/2000 - 02/28/2003 FY02: $0 Total: $102,862
Prin. Invest.: E V GOTTHELF
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9581 COLUMBIA UNIV 6960
UNRAVELING THE PHYSICAL CONDITIONS IN THE SOLAR AT MOSPHERE: EXPERIMENTALAND THEORECTICAL RATES FOR
05/09/2000 - 04/30/2003 FY02: $0 Total: $206,052
Prin. Invest.: D W SAVIN
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9615 COLUMBIA UNIV 6961
HIGH-PERFORMANCE MULTILAYER X-RAY OPTICS FOR SOLAR PHYSICS
05/23/2000 - 04/30/2003 FY02: $0 Total: $144,069
Prin. Invest.: D WINDT
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 9653 COLUMBIA UNIV 6962
CONSOLIDATING THE VELA-REGION 1.809 MEV RESULTS
05/30/2000 - 08/31/2001 FY02: $0 Total: $6,500
Prin. Invest.: U OBERLACK
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 9759 COLUMBIA UNIV 6963
ASSIMILATION OF REMOTELY SENSED SNOW OBSERVATIONS INTO THE NSIPP LAND SURFACE MODEL
06/26/2000 - 06/30/2003 FY02: $0 Total: $103,447
Prin. Invest.: M STIEGLITZ
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9870 COLUMBIA UNIV 6964
SURVEYING THE GALACTIC PLANE WITH XMM
09/29/2000 - 09/30/2002 FY02: $0 Total: $61,000
Prin. Invest.: D HELFAND
Tech. Officer: GSFC/P ATKINS
CASE Category: 11 – ASTRONOMY

NAG 5 9898 **COLUMBIA UNIV** **6965**
THE NATURE OF ISOLATED NEUTRON STARS AND THE EQUAT ION OF STATE AT SUPRA-NUCLEAR DENSITY
09/06/2000 - 09/14/2002 FY02: $0 Total: $8,500
Prin. Invest.: F B PAERELS
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9911 **COLUMBIA UNIV** **6966**
AN ULTRA-MAGNETIZED X-RAY PULSAR IN THE SUPERNOVA REMNANT KES 73
09/05/2000 - 09/30/2002 FY02: $0 Total: $27,365
Prin. Invest.: E V GOTTHELF
Tech. Officer: GSFC/R M MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9928 **COLUMBIA UNIV** **6967**
COMPOSITE SUPERNOVA REMNANTS: HOME TO THE YOUNGEST NEU-TRON STARS
09/07/2000 - 09/14/2002 FY02: $0 Total: $23,459
Prin. Invest.: D J HELFAND
Tech. Officer: GSFC/D F MUTSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9929 **COLUMBIA UNIV** **6968**
AN X-RAY SPECTROSCOPIC DETERMINATION OF THE HUBBLE CONSTANT
09/07/2000 - 09/14/2002 FY02: $0 Total: $24,619
Prin. Invest.: F B PAERLES
Tech. Officer: GSFC/D F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9946 **COLUMBIA UNIV** **6969**
TAKING THE PULSE OF OUR YOUNGEST NEIGHBORHOOD NEUT RON STAR
09/06/2000 - 09/14/2002 FY02: $0 Total: $32,900
Prin. Invest.: D J HELFAND
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9950 **COLUMBIA UNIV** **6970**
A POSSIBLE IDENTIFICATION OF THE EGRET SOURCE 2EG J2227+6122
09/07/2000 - 08/31/2002 FY02: $0 Total: $30,662
Prin. Invest.: J P HALPERN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10082 **COLUMBIA UNIV** **6971**
THE X-RAY TEMPERATURE FUNCTION AND STRUCTURE OF CLUSTERS AT Z=0.6-1
11/06/2000 - 11/14/2002 FY02: $0 Total: $5,625
Prin. Invest.: C A SCHARF
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10607 **COLUMBIA UNIV** **6972**
USING A CLOUD-RESOLVING MODEL TO UNDERSTAND LARGE- SCALE VARIATIONS IN TROPICAL RAINFALL:A NO
03/15/2001 - 03/14/2004 FY02: $0 Total: $95,576
Prin. Invest.: A SOBEL
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11049 **COLUMBIA UNIV** **6973**
RECOMBINATION RATES OF METHYL RADICALS AT LOW TEMP ERATURES IN HYDROGEN. (LOW TEMPERATURE PHOTOCHEMI
06/18/2001 - 05/31/2004 FY02: $0 Total: $65,000
Prin. Invest.: R BERSOHN
Tech. Officer: GSFC/D J BOGAN
CASE Category: 12 – CHEMISTRY

NAG 5 11215 **COLUMBIA UNIV** **6974**
MESOSCALE CIRCULATION AND ECOSYSTEM PROCESSES OFF WESTERN AUSTRALIA: A SYNERGISTIC APPROACH OF REMO
08/13/2001 - 09/30/2003 FY02: $0 Total: $243,481
Prin. Invest.: O ANDERSON
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11357 **COLUMBIA UNIV** **6975**
TIME VARIATIONS OF THE NET AIR-SEA CO2 FLUX
09/25/2001 - 09/30/2004 FY02: $0 Total: $87,100
Prin. Invest.: T TAKAHASHI
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11530 **COLUMBIA UNIV** **6976**
INTEGRATED CIRRUS REMOTE SENSING USING MULTIANGLE, MULTISPEC-TRAL POLARIMETRIC MEASUREMENTS
01/09/2002 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: B CAIRNS
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11697 **COLUMBIA UNIV** **6977**
MODELING STUDY OF THE EFFECT OF CARBONACEOUS INCLU SIONS AND SULFATE AEROSOLS ON THE CLOUD RADIATIVE
02/07/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: S MENON
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11799 **COLUMBIA UNIV** **6978**
SCALING ANALYSIS & CATCHMENT PROCESSING OF TOPOGRA PHIC DATA FOR A GCM LAND SURFACE MODEL
03/01/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: C P STARK
Tech. Officer: GSFC/R KOSTER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12074 **COLUMBIA UNIV** **6979**
EARLY DIFFERENTIATION OF THE MOON: EXPERIMENTAL & MODELLING STUDIES
04/23/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: J LONGHI
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12586 **COLUMBIA UNIV** **6980**
THE ANTARCTIC DIPOLE: INTERACTION WITH POLAR/EXTRA POLAR CLI-MATE VARIATIONS AND ITS PREDICTI
09/18/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: X YUAN
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1148 **COLUMBIA UNIV** **6981**
INDIVIDUAL SUSCEPTIBILITY TO RADIAITON EFFECTS
09/14/1999 - 09/30/2003 FY02: $0 Total: $734,218
Prin. Invest.: E J HALL
Tech. Officer: JSC/F A CUCINOTTA
CASE Category: 59 – LIFE SCIENCE, OTHER

NAS 2 02039 **COLUMBIA UNIV** **6982**
TRASLATION_OF DISEASE MARKERS INTO BULLUMINESCENT SIGNALS-BASIC RESEARCH
12/20/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: D W LANDY
Tech. Officer: ARC/P P FUNG
CASE Category: 56 – MEDICL

NAS 5 97164 **COLUMBIA UNIV** **6983**
ACRIM SCIENCE TEAM
04/21/1997 - 04/20/2003 FY02: $0 Total: $2,049,807
Prin. Invest.: R C WILSON
Tech. Officer: GSFC/V GRIFFIN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAS 5 98162 **COLUMBIA UNIV** **6984**
EOSDIS SEDAC
07/01/1998 - 06/30/2003 FY02: $0 Total: $11,070,114
Prin. Invest.: R S CHEN
Tech. Officer: GSFC/Q BARKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 218 **COLUMBIA UNIV** **6985**
SEASONAL-TO-INTERANNUAL PREDICTION PROJECT
07/21/1997 - 06/30/2001 FY02: $0 Total: $220,892
Prin. Invest.: M STIEGLITZ
Tech. Officer: GSFC/R KOSTER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 485 **COLUMBIA UNIV** **6986**
MODELING OF OCEAN CIRCULATION AND ATMOSPHERIC CHEMICAL SYSTEMS.
03/30/2000 - 06/30/2001 FY02: $0 Total: $1,596,248
Prin. Invest.: C K CHU
Tech. Officer: GSFC/R B STOTHERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 505 **COLUMBIA UNIV** **6987**
INTERDISCIPLINARY RESEARCH ON CLIMATE VARIABILITY AND CLIMATE CHANGE
07/21/2000 - 07/31/2003 FY02: $0 Total: $1,302,543
Prin. Invest.: M CHANDLER
Tech. Officer: GSFC/D RIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 510 **COLUMBIA UNIV** **6988**
LAND SURFACE MODEL DEVELOPMENT FOR THE NASA SEASON AL TO INTERANNUAL PREDICTION PROJECT
08/21/2000 - 08/14/2003 FY02: $0 Total: $177,298
Prin. Invest.: M STIEGLITZ
Tech. Officer: GSFC/R KOSTER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 546 **COLUMBIA UNIV** **6989**
INTERDISCIPLINARY GLOBAL CHANGE RESEARCH
04/04/2001 - 03/31/2004 FY02: $0 Total: $862,710
Prin. Invest.: L M DRUYAN
Tech. Officer: GSFC/A LACIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 547 **COLUMBIA UNIV** **6990**
MODELING OF OCEAN CIRCULATION AND ATMOSPHERIC CHEM ICAL SYSTEMS
04/06/2001 - 03/31/2004 FY02: $0 Total: $927,415
Prin. Invest.: C K CHU
Tech. Officer: GSFC/R B STOTHERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 549 **COLUMBIA UNIV** **6991**
"ICP: RESEARCH EDUCATION PROGRAM"
04/09/2001 - 05/31/2002 FY02: $0 Total: $169,981
Prin. Invest.: C HARRIS
Tech. Officer: GSFC/B CARLSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 558 **COLUMBIA UNIV** **6992**
MODELING OF ATMOSPHERIC CIRCULATION AND CHEMISTRY.
06/06/2001 - 02/28/2004 FY02: $0 Total: $329,203
Prin. Invest.: L M POLVANI
Tech. Officer: GSFC/R STOTHERS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 5 30167 **COLUMBIA UNIV** **6993**
VARIABILITY OF BIOGEOCHEMICAL REGIMES IN THE ROSS SEA: AN ANALYSIS USINGHIGH RESOLUTION SEA SURFACE
09/02/1998 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: T TAKAHASHI
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30226 **COLUMBIA UNIV** **6994**
HIGH RESOLUTION MILLENNIAL SCALE HISTORY OF HUDSON VALLEY, NY FORESTS: CLIMATE & ENVIRONMENTAL INFL
09/19/2000 - 08/31/2002 FY02: $0 Total: $44,000
Prin. Invest.: D PETEET
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30374 **COLUMBIA UNIV** **6995**
INCREASING HAZARD IN GREATER CARACAS, VENEZUELA: I NTERACTIONS OFS NEOTECTONICS, LANDSLIDES AN
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: W MENKE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30391 **COLUMBIA UNIV** **6996**
SENSITIVITY AND RESPONSE OF ICE-OCEAN-ATMOSPHERE I NTERACTIONS IN THE SOUTH PACIFIC SECTOR OF THE
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: D MARTINSON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30442 **COLUMBIA UNIV** **6997**
IMPACTS OF THE NORTH ATLANTIC OSCILLATION ON PLANK TONIC ECOSYSTEMS AND THE CARBON CYCLE:
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: M VISBECK
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30465 **COLUMBIA UNIV** **6998**
AN IMPROVED SCHEME FOR INITIALIZATION OF AN ENSO F ORECASTING MODEL:USINGSINGULAR VECTOR ANALYSIS TO
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: M A CANE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50323 **COLUMBIA UNIV** **6999**
PREDICTION OF MOSQUITO ABUNDANCE WITH A LAND SURFA CE HYDROLOGY MODEL & LANDSAT THERMATIC MAPPER IMA
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: M CANE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50353 **COLUMBIA UNIV** **7000**
X-RAY SPECTROSCOPIC INVESTIGATIONS OF OUTFLOWS IN ACTIVE GALACTIC NUCLEI
05/11/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: S KAHN
Tech. Officer: GSFC/K E BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50392 **COLUMBIA UNIV** **7001**
HARD X-RAY OBSERVATION OF YOUNG SUPERNOVA REMNANTS STUDENT: JAMES CHONKO
05/23/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C HAILEY
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01034 **CORNELL UNIV** **7002**
NANOTUBE SENSORS
02/28/2001 - 04/30/2002 FY02: $0 Total: $100,000
Prin. Invest.: P L MCEUEN
Tech. Officer: LARC/S K KAHNG
CASE Category: 13 – PHYSICS

NAG 1 02001 **CORNELL UNIV** **7003**
DEVELOPMENT OF TECHNOLOGIES FOR MODELING DAMAGE IN STIFFENED THIN SHELL STRUCTURES
10/18/2001 - 10/31/2004 FY02: $50,606 Total: $50,606
Prin. Invest.: A R INGRAFFEA
Tech. Officer: LARC/D YOUNG
CASE Category: 46 – MECHANICAL ENGR

NAG 1 02051 **CORNELL UNIV** **7004**
COMPUTATIONAL MICRO-MECHANICAL INVESTIGATIONS OF CRACK INITIATION IN METALLIC POLYCRYSTALS
02/04/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: A R INGRAFFEA
Tech. Officer: LARC/E H GLAESSGEN, LARC/I S RAJU
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 1993 **CORNELL UNIV** **7005**
SIMULATION OF CRACK GROWTH IN SPRIAL-BEVEL GEARS
12/11/1996 - 01/01/2002 FY02: $0 Total: $289,961
Prin. Invest.: A R INGRAFFEA
Tech. Officer: GRC/D G LOWICKI
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2112 **CORNELL UNIV** **7006**
STUDIES OF GAS-PARTICLE INTERATIONS IN A MICROGRAV ITY FLOW CELL
01/15/1998 - 12/31/2001 FY02: $0 Total: $686,517
Prin. Invest.: M LOUGE
Tech. Officer: GRC/R HAKIMAZADEH
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2224 **CORNELL UNIV** **7007**
HIGH PRESSURE COMBUSTION OF AN UNSUPPORTED SOOTING FUEL DROPLET IN MICROGRAVITY
01/12/1999 - 11/11/2002 FY02: $0 Total: $211,972
Prin. Invest.: T AVEDISIAN
Tech. Officer: GRC/D L DIETRICH
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2349 **CORNELL UNIV** **7008**
TURBULENCE-INDUCED COALESCENCE OF AEROSOL PARTICLE S
03/23/2000 - 11/30/2003 FY02: $0 Total: $145,000
Prin. Invest.: D L KOCH
Tech. Officer: GRC/H K NAHRA
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2353 **CORNELL UNIV** **7009**
SHEET FLOWS, AVALANCHES, AND DUNE EVOLUTION ON EAR TH AND MARS
03/14/2000 - 11/30/2003 FY02: $0 Total: $103,140
Prin. Invest.: D T JENKINS
Tech. Officer: GRC/F P CHIARMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2440 **CORNELL UNIV** **7010**
RAPIDLY SHEARED BUBBLY SUSPENSION RAPIDLY SHEARED BUBBLY SUSPENSION
05/31/2000 - 04/30/2005 FY02: $0 Total: $273,000
Prin. Invest.: D L KOCH
Tech. Officer: GRC/H K NAHRA
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2705 **CORNELL UNIV** **7011**
GAS-PARTICLE INTERACTIONS IN A MICROGRAVITY FLOW C ELL #OSP 41286
02/27/2002 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: D LOUGE
Tech. Officer: GRC/M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2713 **CORNELL UNIV** **7012**
DYNAMICS AND STABILITY OF CAPILLARY SYSTEMS: MOVIN G LIQUIDS BY DESIGN
02/25/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D STEEN
Tech. Officer: GRC/M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3427 **CORNELL UNIV** **7013**
DEVELOPMENT AND APPLICATION OF NEW TOOLS FOR STATI DISCRETE ASTROPHYSICAL DATA
09/26/1996 - 09/30/2001 FY02: $0 Total: $522,253
Prin. Invest.: T J LOREDO
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3626 **CORNELL UNIV** **7014**
PHYSICAL STUDIES OF PLANETARY AND SATELLITE SURFACE
02/12/1997 - 10/31/2001 FY02: $0 Total: $511,150
Prin. Invest.: J VEVERKA
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3639 **CORNELL UNIV** **7015**
STUDY OF THE EFFECTS OF PHOTOMETRIC GEOMETRY ON SP MEASUREMENTS
02/12/1997 - 12/31/2001 FY02: $0 Total: $247,500
Prin. Invest.: P HELFENSTEIN
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3862 **CORNELL UNIV** **7016**
STUDIES OF THERMAL STRUCTURES AND MOTIONS OF PLANE
01/24/1997 - 11/30/2001 FY02: $0 Total: $547,161
Prin. Invest.: D J GIERABCH
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 3910 **CORNELL UNIV** **7017**
PHYSICAL PROCESSES IN PLANETARY RINGS
03/07/1997 - 12/31/2001 FY02: $0 Total: $683,100
Prin. Invest.: D A BURNS
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4205 **CORNELL UNIV** **7018**
STUDIES IN PLANETARY GEOSCIENCES
03/19/1997 - 03/31/2002 FY02: $0 Total: $459,323
Prin. Invest.: S W SQUYRES
Tech. Officer: GSFC/J G GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4333 **CORNELL UNIV** **7019**
MARS SURFACE MINERALOGY FROM HST AND MARINER 6.7 I
04/25/1997 - 04/30/2001 FY02: $0 Total: $133,200
Prin. Invest.: D F BELL
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 5233 **CORNELL UNIV** **7020**
SIERRA PI DR. PAUL KINTNER
02/10/1999 - 03/31/2002 FY02: $0 Total: $513,147
Prin. Invest.: P M KINTNER
Tech. Officer: MSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5244 **CORNELL UNIV** **7021**
FIRST YEAR OF A THREE GRANT NAG5-5244 PI DR. MICHAEL C. KELLEY
03/29/1999 - 03/31/2003 FY02: $0 Total: $189,538
Prin. Invest.: M C KELLEY
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5366 **CORNELL UNIV** **7022**
SVALBARD EISCAT RADAR SOUNDING OF ION OUTFLOWS: SE RSIO
06/19/2002 - 06/12/2005 FY02: $0 Total: $0
Prin. Invest.: P KINTNER
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5370 **CORNELL UNIV** **7023**
ELECTRODYNAMICS OF THE NIGHTTIME EQUATORIAL ELECTR OJECT: THE EFFECTS OFWINDS AND WAVES
06/19/2002 - 06/12/2005 FY02: $0 Total: $0
Prin. Invest.: L GELINAS
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5380 **CORNELL UNIV** **7024**
ROCKET INVESTIGATION OF ELECTRODYNAMICS AND SCATTE RING LAYERS IN THE BOTTOMSIDE EQUATORIAL REGIO
06/25/2002 - 06/19/2005 FY02: $0 Total: $0
Prin. Invest.: D HYSELL
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6273 **CORNELL UNIV** **7025**
BIOLOGICAL AND PHYSICAL CONTROLS OF PRIMARY PRODUC SUBSEQUENT FATE IN THE GEORGES BANK REGION: AN IN
08/29/1997 - 04/30/2001 FY02: $0 Total: $218,223
Prin. Invest.: G CHARLES
Tech. Officer: GSFC/J JODER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6495 **CORNELL UNIV** **7026**
DEVELOPMENT OF 256X256 SI:SB AND SI:AS BIBIB DETEC TORS FOR SOFIA
10/31/1997 - 12/31/2002 FY02: $0 Total: $840,000
Prin. Invest.: D L HERTER
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 7497 **CORNELL UNIV** **7027**
UNDERSTANDING METEOROLOGICAL CONTROLS OF GLACIER M ASS BALANCE
06/29/1998 - 06/30/2002 FY02: $0 Total: $270,000
Prin. Invest.: K H COOK
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7864 **CORNELL UNIV** **7028**
JUPITER CLOUD STRUCTURE AND DYNAMICS STUDIES
01/12/1999 - 12/31/2001 FY02: $0 Total: $182,000
Prin. Invest.: D J GIERASCH
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8010 **CORNELL UNIV** **7029**
DIGITAL MAPPING OF JOVAIN CLOUD MOTIONS
01/13/1999 - 01/14/2002 FY02: $0 Total: $50,000
Prin. Invest.: P HELFENSTEIN
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8070 **CORNELL UNIV** **7030**
WATER DETECTION ON ASTEROIDS: ARE THE VISIBLE REBANDS REALLY A GOOD PROXY?
01/29/1999 - 02/28/2002 FY02: $0 Total: $89,364
Prin. Invest.: D S HOWELL
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8188 **CORNELL UNIV** **7031**
UNDERGRADUATE COURSE ON SATELLITE REMOTE SENSING I N BIOLOGICAL OCEANOGRAPHY
03/04/1999 - 09/30/2001 FY02: $0 Total: $151,501
Prin. Invest.: B MONGER
Tech. Officer: GSFC/J CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8282 **CORNELL UNIV** **7032**
SEPARATION & ANALYSIS OF TES ATMOSPHERIC TEMPERATU RES AS COMPONENT FIELDS: ZONAL MEANS, THERMA
02/19/1999 - 02/28/2002 FY02: $0 Total: $200,800
Prin. Invest.: D J BANDFIELD
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8356 **CORNELL UNIV** **7033**
ASTROPHYSICS OF FAST MOVING NEUTRON STARS (ATP98)
03/11/1999 - 03/14/2003 FY02: $0 Total: $329,504
Prin. Invest.: D F CHERNOFF
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8484 **CORNELL UNIV** **7034**
MATTER IN STRONG MAGNETIC FIELDS AND THERMAL RADIA TION FROM ISOLATED NEUTRON STARS (ATP - 98)
05/11/1999 - 05/14/2002 FY02: $0 Total: $197,114
Prin. Invest.: D LAI
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8673 **CORNELL UNIV** **7035**
A SCANNING DOUBLE HALF-WAVE INTERFEROMETER FOR SOFIA
07/09/1999 - 07/14/2002 FY02: $0 Total: $315,665
Prin. Invest.: G J STACEY
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 11 – ASTRONOMY

NAG 5 8775 **CORNELL UNIV** **7036**
ENGINEERING CONTROL OF BIOMOLECULAR MOTOR POWERED NANOCHEMICAL DEVICE
09/01/1999 - 08/31/2002 FY02: $0 Total: $326,772
Prin. Invest.: C MONTEEMAGNO
Tech. Officer: GSFC/S DAVISON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9034 **CORNELL UNIV** **7037**
RADAR SYNTHESIS IMAGING OF SMALL BODIES
02/07/2000 - 02/14/2003 FY02: $0 Total: $122,850
Prin. Invest.: B CAMPBELL
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9047 **CORNELL UNIV** **7038**
ACCRETION TO MAGNETIZED ROTATING NEUTRON STARS (ATP 99)
03/09/2000 - 03/14/2003 FY02: $0 Total: $116,752
Prin. Invest.: R LOVELACE
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9067 **CORNELL UNIV** **7039**
SCALING & CROSS CORRELATION STUDIES OF LAND SLIDES
02/17/2000 - 02/28/2003 FY02: $0 Total: $120,000
Prin. Invest.: D L TURCOTTE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9140 **CORNELL UNIV** **7040**
INVESTIGATION OF CELESTIAL SOLID ANALOGS
02/29/2000 - 02/28/2003 FY02: $0 Total: $116,520
Prin. Invest.: A SIEVERS
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9199 **CORNELL UNIV** **7041**
ELECTRON AND ION ACCELERATION ASSOCIATED WITH ALFVENIC STRUCTURES
03/09/2000 - 03/14/2003 FY02: $0 Total: $153,500
Prin. Invest.: C E SEYLER
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9492 **CORNELL UNIV** **7042**
STUDIES OF VOLCANISM AND TECTONISM ON MARS AND THE MOON
04/17/2000 - 04/14/2003 FY02: $0 Total: $68,250
Prin. Invest.: D L TURCOTTE
Tech. Officer: GSFC/J A GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9594 **CORNELL UNIV** **7043**
PARTICIPATION IN SHOEMAKER-LEVY 9 IMPACT MODELING INVESTIGATION
06/08/2000 - 06/14/2003 FY02: $0 Total: $107,147
Prin. Invest.: J HARRINGTON
Tech. Officer: GSFC/L D DEMING
CASE Category: 11 – ASTRONOMY

NAG 5 9612 **CORNELL UNIV** **7044**
NEW ALGORITHMS FOR MAGNETOMETER ORBIT AND ATTITUDE ESTIMATION
05/26/2000 - 05/31/2002 FY02: $0 Total: $60,008
Prin. Invest.: D PSIAKI
Tech. Officer: GSFC/R HARMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9735 **CORNELL UNIV** **7045**
MAGNETOHYDRODYNAMICS AND PLASMA PHENOMENA IN PROTE STELLAR SYSTEMS
06/21/2000 - 06/30/2003 FY02: $0 Total: $45,200
Prin. Invest.: R LOVELACE
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9774 **CORNELL UNIV** **7046**
SUB-PIXEL DETECTABILITY OF MATERIALS AT THE PATH FINDER LANDING SITE: IMPLICATIONS FOR MARTIAN SURF
06/30/2000 - 06/30/2003 FY02: $0 Total: $140,000
Prin. Invest.: J F BELL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9794 **CORNELL UNIV** **7047**
DETERMINATION OF AERODYNAMIC ROUGHNESS FROM SUR- FACE-BASES STEREO IMAGING
07/11/2000 - 07/14/2003 FY02: $0 Total: $85,100
Prin. Invest.: R J SULLIVAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10168 **CORNELL UNIV** **7048**
SURFACES OF PLANETS, SATELLITES, AND ASTEROIDS
01/04/2001 - 11/30/2002 FY02: $0 Total: $39,000
Prin. Invest.: P THOMAS
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10289 **CORNELL UNIV** **7049**
THERMAL EMISSION SPECTRAL MODELING WITH APPLICA- TIONS TO ASTEROIDS AND METEORITES
01/29/2001 - 01/31/2002 FY02: $0 Total: $16,000
Prin. Invest.: B E CLARK
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 10356 **CORNELL UNIV** **7050**
QUANTUM WELL ELECTRON GAIN STRUCTURES FOR IMPROVED INFRA-RED DETECTOR READ NOISE
02/07/2001 - 01/31/2003 FY02: $0 Total: $293,057
Prin. Invest.: S EIKENBERRY
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10434 **CORNELL UNIV** **7051**
OPERATE THE SPACECRAFT PLANETARY IMAGING FACILITY AT CORNELL
02/16/2001 - 02/28/2006 FY02: $0 Total: $37,000
Prin. Invest.: J VEVERKA
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 10438 **CORNELL UNIV** **7052**
THE IRREGULAR SATELLITE SYSTEMS OF THE GIANT PLANETS
02/20/2001 - 02/28/2004 FY02: $0 Total: $54,000
Prin. Invest.: P NICHOLSON
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10574 **CORNELL UNIV** **7053**
EVALUATION OF DUST AVALANCHES AND HIGH-ALTITUDE AEOLIAN FEA-TURES
03/13/2001 - 03/14/2004 FY02: $0 Total: $45,000
Prin. Invest.: R SULLIVAN
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10579 **CORNELL UNIV** **7054**
DUST LIFTING & TRANSPORT ON MARS: ANALYSIS OF MGS DATA WITH A MESOSCALE MODEL
03/19/2001 - 02/28/2004 FY02: $0 Total: $71,000
Prin. Invest.: P GIERASCH
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10580 **CORNELL UNIV** **7055**
OBSERVATIONAL STUDY OF THE MARS POLAR VORTEX
03/19/2001 - 02/28/2004 FY02: $0 Total: $60,000
Prin. Invest.: B CONRATH
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10584 **CORNELL UNIV** **7056**
ELASTIC PROPERTIES OF FILMS OF WATER & NOBLE GASES CONDENSED AT LOW TEMPERATURES
03/13/2001 - 05/31/2003 FY02: $0 Total: $45,000
Prin. Invest.: R O POHL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10636 **CORNELL UNIV** **7057**
MINERALOGY AND WEATHERING HISTORY OF THE MARTIAN SURFACE
03/17/2001 - 03/14/2004 FY02: $0 Total: $80,000
Prin. Invest.: J F BELL, III
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 10848 **CORNELL UNIV** **7058**
UNDERGRADUATE COURSE ON SATELLITE REMOTE SENSING IN BIOLOGI-CAL OCEANOGRAPHY
05/03/2001 - 04/14/2002 FY02: $0 Total: $89,482
Prin. Invest.: B MONGER
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11424 **CORNELL UNIV** **7059**
TOPOGRAPHIC SIGNALS OF CENTRAL ANDEAD TECTONIC
11/28/2001 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: B L ISACKS
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11480 **CORNELL UNIV** **7060**
DYNAMICS OF SMALL SOLAR SYSTEM BODIES: PLANETARY RINGS, DUST, ASTEROIDS, AND SATELLITES
12/19/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: J A BURNS
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11492 **CORNELL UNIV** **7061**
STUDY OF THE EFFECTS OF PHOTOMETRIC GEOMETRY ON SP ECTRAL REFLECTANCE MEASUREMENTS
12/27/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: P HELFENSTEIN
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11514 **CORNELL UNIV** **7062**
PHYSICAL STUDIES OF PLANETARY AND SATELLITE SURFAC ES
12/31/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: J VERERKA
Tech. Officer: GSFC/D SENKSE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11515 **CORNELL UNIV** **7063**
DYNAMICAL STUDIES OF PLANETARY RINGS AND SATELLITE S
12/31/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: P D NICHOLSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11819 **CORNELL UNIV** **7064**
THIS PROPOSED HIGH ALTITUDE WORK WILL EXPLORE THE USE OF TECHNIQUES DEVELOPED FOR LOW EARTH ORBITING
03/01/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: M L PSIAKI
Tech. Officer: GSFC/S KANT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11919 **CORNELL UNIV** **7065**
EULER DYNAMICS-BASED ESTIMATION ALGORITHMS FOR SPA CECRAFT ATTITUDE AND RATE DETERMINATION
03/28/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: D PSIAKI
Tech. Officer: GSFC/R R HARMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12034 **CORNELL UNIV** **7066**
THERMAL RADIATION FROM STRONGLY MAGNETIZED NEUTRON STARS
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: D LAI
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12082 **CORNELL UNIV** **7067**
ASTROSTATISTICAL TOOLS IN PYTHON
04/23/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: T LOREDO
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12089 **CORNELL UNIV** **7068**
DEVELOPMENT OF GPS TRANSLATOR INSTRUMENTATION
04/30/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: P M KINTNER
Tech. Officer: GSFC/J SPANN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12164 **CORNELL UNIV** **7069**
INVESTIGATION OF PLASMA TURBULENCE IN THE EQUATORIAL IONO-SPHERE
06/13/2002 - 02/29/2004 FY02: $0 Total: $0
Prin. Invest.: D L HYSELL
Tech. Officer: GSFC/M MELLOT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12187 **CORNELL UNIV** **7070**
TRANSIENT AND FORCED WAVES IN MARS' ATMOSPHERE
05/14/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: D BANFIELD
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12211 **CORNELL UNIV** **7071**
DUAL FREQUENCY GPS SOFTWARE RECEIVER DEVELOPMENT
05/20/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: M PSIAKI
Tech. Officer: GSFC/J Q SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12231 **CORNELL UNIV** **7072**
VALIDATION OF THE ION-F FORMATION FLIGHT HARDWARE AND SOFT-WARE
06/04/2002 - 11/14/2003 FY02: $0 Total: $0
Prin. Invest.: M CAMPBELL
Tech. Officer: GSFC/L COX
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 12332 **CORNELL UNIV** **7073**
OLIGONUCLEOTIDE TEMPLATES AND PEPTIDE BOND FORMATI ON: A NEW APPROACH
07/08/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: D A USHER
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12470 **CORNELL UNIV** **7074**
LATITUDE-RESOLVED AO SPECTRA OF NEPTUNE & URANUS: CIRCULATION MONITORING
08/14/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: D J BANFIELD
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1445 **CORNELL UNIV** **7075**
STUDIES OF FREE RADICALS
02/16/1998 - 01/31/2003 FY02: $0 Total: $583,500
Prin. Invest.: D M LEE
Tech. Officer: MSFC/J W POE
CASE Category: 13 – PHYSICS

NAG 8 1518 **CORNELL UNIV** **7076**
MESOSCALE LANDSURFACE HEAT FLUX VARIABILITY OVER THE SOUTH-ERN GCIP AREA FROM ATMOSPHERIC SOUNDINGS
06/01/1998 - 05/31/2002 FY02: $0 Total: $343,000
Prin. Invest.: W BRUTSAERT
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1574 **CORNELL UNIV** **7077**
IMPURITY EFFECTS IN MACROMOLECULAR CRYSTAL GROWTH
01/05/1999 - 11/30/2002 FY02: $0 Total: $192,150
Prin. Invest.: R THORNE
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1666 **CORNELL UNIV** **7078**
INFLUENCE OF HOMOGENEITY AND FRAGILITY ON THE DYNAMICAL PROPERTIES OF GLASSY NETWORKS.
05/12/2000 - 09/30/2003 FY02: $0 Total: $159,500
Prin. Invest.: A J SIEVERS
Tech. Officer: MSFC/P DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1671 **CORNELL UNIV** **7079**
ON THE CONTROL OF THE EFFECTS OF GRAVITY ON THE SO LIDIFIATION MICROSTRUCTURES USING OPTIMALLY DESIG
06/16/2000 - 12/31/2003 FY02: $0 Total: $135,250
Prin. Invest.: N ZABARAS
Tech. Officer: MSFC/P DOTY
CASE Category: 43 – CHEMICAL ENGR

NAG 8 1759 **CORNELL UNIV** **7080**
BIODEGRADABLE POLYMERS
05/02/2001 - 03/31/2005 FY02: $0 Total: $74,084
Prin. Invest.: C A BATT, E P GIANNELIS
Tech. Officer: MSFC/D S HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1778 **CORNELL UNIV** **7081**
MICROSCALE MIXER FOR PROTEIN FOLDING
05/02/2001 - 12/31/2005 FY02: $0 Total: $80,000
Prin. Invest.: L POLLACK
Tech. Officer: MSFC/DHUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1831 **CORNELL UNIV** **7082**
R/S "MACROMOLECULAR CRYSTAL GROWTH: TECHNIQUES, DEVELOP-MENT, FUNDAMENTAL STUDIES, AND APPS.
08/30/2001 - 11/30/2004 FY02: $0 Total: $131,000
Prin. Invest.: R E THORNE
Tech. Officer: MSFC/G GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NASW 00005 **CORNELL UNIV** **7083**
PRINCIPAL INVESTIGATOR & CO'IS NASA'S CONTOUR DISCOVERY MISSION
07/03/2000 - 12/31/2002 FY02: $0 Total: $905,497
Prin. Invest.: J F VEVERKA
Tech. Officer: JPL/D B JARRETT
CASE Category: 11 – ASTRONOMY

NCC 2 1201 **CORNELL UNIV** **7084**
DO INTEGRINS MEDIATE THE SKELETAL RESPONSES TO ALT ERED LOADING IN VIVO (SUB-PROJECT B)
09/12/2000 - 09/30/2003 FY02: $0 Total: $64,060
Prin. Invest.: M C VAN DER MEULEN
Tech. Officer: ARC/R K GLOBUS, ARC/E M HOLTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5459 **CORNELL UNIV** **7085**
SYNTHETIC & MICROBIAL FOOD INGREDIENTS FOR LONG DU RATION SPACE MISSIONS
08/27/2001 - 07/31/2003 FY02: $0 Total: $18,293
Prin. Invest.: J B HUNTER
Tech. Officer: ARC/H W JONES, ARC/M H KLISS
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 3 797 **CORNELL UNIV** **7086**
PARTICLE SEGREGATION IN COLLISIONAL SHEARING FLOWS PARTICLE SEGREGATION IN COLLISIONAL SHEARINGFLOW
05/18/2000 - 04/30/2005 FY02: $0 Total: $309,996
Prin. Invest.: J JENKINS
Tech. Officer: GRC/F P CHARIAMONTE 111
CASE Category: 46 – MECHANICAL ENGR

NCC 3 832 **CORNELL UNIV** **7087**
HIGH TEMPERATURE POLYIMIDE NANOCOMPOSITES HIGH TEMPERATURE POLYIMIDE NANOCOMPOSITES
01/04/2001 - 12/31/2002 FY02: $0 Total: $67,850
Prin. Invest.: D P GIANNELIS
Tech. Officer: GRC/M MEADOR
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 5 298 **CORNELL UNIV** **7088**
CARBON AND NUTRIENT STOCKS, SOIL WATER DYNAMICS, A ND TRACE GAS FLUXES IN ABANDONED PASTURES AND AGR
06/16/1998 - 12/31/2002 FY02: $0 Total: $995,177
Prin. Invest.: E FERNANDES
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 375 **CORNELL UNIV** **7089**
RADIATIVE STUDIES OF PLANETARY ATMOSPHERES
01/19/1999 - 02/14/2002 FY02: $0 Total: $273,854
Prin. Invest.: B J CONRATH
Tech. Officer: GSFC/F M FLASAR
CASE Category: 11 – ASTRONOMY

NCC 5 539 **CORNELL UNIV** **7090**
OUTER PLANETS, ATMOSPHERIC STRUCTURE AND PARTICIPA TION IN CIRS
02/12/2001 - 02/14/2004 FY02: $0 Total: $170,000
Prin. Invest.: P J GIERASCH
Tech. Officer: GSFC/F M FLASAR
CASE Category: 11 – ASTRONOMY

NCC 5 563 **CORNELL UNIV** **7091**
DEVELOPMENT OF GPS SOFTWARE RECEIVER ALGORITHMS FOR USE IN HIGH-ALTITUDE SPACECRAFT NAVIGATION
06/12/2001 - 06/30/2002 FY02: $0 Total: $40,000
Prin. Invest.: M L PSIAKI
Tech. Officer: GSFC/B L EDWARDS
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 5 622 **CORNELL UNIV** **7092**
RADIATIVE STUDIES OF PLANETARY ATMOSPHERES
01/16/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: B J CONRATH
Tech. Officer: GSFC/F M FLASAR
CASE Category: 11 – ASTRONOMY

NCC 9 89 **CORNELL UNIV** **7093**
COORDINATE ANALYSIS AND CALIBRATION STUDIES
07/20/1999 - 07/19/2002 FY02: $0 Total: $30,000
Prin. Invest.: R V MORRIS, J F BELL
Tech. Officer: JSC/R V MORRIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 02011 **CORNELL UNIV** **7094**
GRADUATE STUDENT RESEARCHER PROGRAM (GSRP)
06/12/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: S B POPE, M A SINGER
Tech. Officer: LARC/P J DRUMMOND
CASE Category: 21 – MATHEMATICS

NGT 3 52362 CORNELL UNIV 7095
NASA GRADUATE STUDENT RESEARCHERS PROGRAM NASA GRADUATE STUDENT RESEARCHERS PROGRAM
06/07/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: D KOCH
Tech. Officer: GRC/H K NAHRA
CASE Category: 43 – CHEMICAL ENGR

NGT 5 30126 CORNELL UNIV 7096
INTERFEROMETRIC SAR MEASUREMENTS OF SEISMIC & INTE R-SEISMIC STRAIN NEAR A MAJOR SEISMIC GAP INPERU
10/10/1997 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: B ISACKS
Tech. Officer: GSFC/G ASRAR
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30210 CORNELL UNIV 7097
HAVE WE GROSSLY UNDERESTIMATED METHANE PRODUCTION & CONSUMPTION? APPLICATION OF A NEW STABLE ISOTOPE
08/20/1999 - 08/31/2002 FY02: $0 Total: $46,200
Prin. Invest.: L O HEDIN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30461 CORNELL UNIV 7098
LANDSCAPE EVOLUTION GRADIENTS IN THE CENTRAL ANDEA N FOREARC BETWEEN 12 SAND 32 S. SOUTHERN PERU AND
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: T JORDAN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40078 CORNELL UNIV 7099
NEW YORK SPACE GRANT COLL & FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $490,696
Prin. Invest.: Y TERZIAN
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50375 CORNELL UNIV 7100
BONE ADAPTATION TO PRECISELY CONTROLLED CYCLIC LOA DING (STUDENT: JAMES FRITTON)
06/29/2001 - 07/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: M H VAN DER MUELEN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50390 CORNELL UNIV 7101
INFRARED TRANSMISSION SPETROSCOPY AND TIME-SERIES PHOTOMETRY OF EXTRA-SOLAR PLANET ATMOSPHERES/MICHA
05/23/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: J HOUCK
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52897 CORNELL UNIV 7102
UNDERSTANDING THE COVARIABILITY OF AFRICAN AND INDIAN SUMMER RAINFALL
05/25/2001 - 06/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: K H COOK
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT10 52623 CORNELL UNIV 7103
GRADUATE STUDENT RESEARCHER'S PROGRAM
08/23/1999 - 06/30/2003 FY02: $0 Total: $66,000
Prin. Invest.: L ALBRIGHT
Tech. Officer: KSC/RWHEELER
CASE Category: 55 – AGRICULTURE

NAG 5 11780 HOFSTRA UNIV 7104
STUDIES OF THE EFFECT OF RAINFALL OVER THE OCEAN ON THE SEAWINDS SCATTEROMETER & RAINRATE ESTIMATES
02/28/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: D WEISSMAN
Tech. Officer: GSFC/E LINDTSROM
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG13 02015 HOFSTRA UNIV 7105
SCATTEROMETER DERIVED OPERATIONAL WINDS, SURFACE PRESSURES AND RAIN
12/18/2001 - 09/18/2004 FY02: $0 Total: $0
Prin. Invest.: D E WEISSMAN
Tech. Officer: SSC/R MILLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9311 INTER AMERICAN UNIV OF PR AGUADILLA CAMPUS 7106
PRECOLL AWARENESS IN MATHY AND SCIENCE PROGRAM
03/22/2000 - 02/28/2003 FY02: $0 Total: $172,161
Prin. Invest.: R GONZALEZ
Tech. Officer: HQ/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11398 IONA COLL 7107
"HDO ON MARS."
11/28/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: R NOVAK
Tech. Officer: GSFC/M J MUMMA
CASE Category: 13 – PHYSICS

NAG 5 9889 MARIST COLL 7108
PERSISTENCE & INFECTIVITY OF CYANOPHAGE FROM POLAR ENVIRONMENTS: IMPLICATIONS FOR PLANETARY PROTECTI
08/30/2000 - 06/30/2003 FY02: $0 Total: $70,650
Prin. Invest.: R KEPNER
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9256 MEDGAR EVERS COLL 7109
MEDGAR EVERS COLL AERONAUTICS AND EARTH SCIENCE ACADEMY
03/15/2000 - 02/28/2003 FY02: $0 Total: $200,000
Prin. Invest.: L JOHNSON
Tech. Officer: HQ/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10142 MEDGAR EVERS COLL 7110
THE NEW YORK CITY SPACE SCIENCE RESEARCH ALLIANCE
12/19/2000 - 12/31/2003 FY02: $0 Total: $245,000
Prin. Invest.: L P JOHNSON
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 2 946 MT SINAI SCH OF MED OF THE CUNY 7111
ANATOMICAL STUDIES OF CENTRAL VESTIBULAR ADAPTATIO N
01/10/1995 - 03/31/2002 FY02: $0 Total: $694,832
Prin. Invest.: G R HOLSTEIN, G R HOLSTEIN
Tech. Officer: ARC/W E HINDS, ARC/C M WINGET
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1191 MT SINAI SCH OF MED OF THE CUNY 7112
NITRIC OXIDE SIGNALING IN HYPERGRAVITY IN DUCED NE URONAL PLASTICITY
03/23/1998 - 08/31/2002 FY02: $0 Total: $636,166
Prin. Invest.: G R HOLSTEIN, G P MARTINELLI
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 6276 MT SINAI SCH OF MED OF THE CUNY 7113
"VESTIBULAR INFLUENCES ON AUTONOMIC CARDIOVASCULAR
09/08/1997 - 12/31/2001 FY02: $0 Total: $848,810
Prin. Invest.: H KAUFMANN
Tech. Officer: GSFC/V SCHNEIDER
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1173 MT SINAI SCH OF MED OF THE CUNY 7114
NEUROLAB COMPLETION PROPOSAL: ANATOMICAL STUDIES O F CENTRAL VESTIBULAR ADAPTATION
04/17/2000 - 03/31/2003 FY02: $0 Total: $238,548
Prin. Invest.: G R HOLSTEIN
Tech. Officer: ARC/M F VASQUES, ARC/P D SAVAGE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 9 128 MT SINAI SCH OF MED OF THE CUNY 7115
VALIDATION CENTRIFUGATION AS A COUNTER MEASURE FOR OTOLIGH DECONDITIONING DURIN SPACEFLIGHT
06/14/2001 - 09/30/2004 FY02: $0 Total: $100,000
Prin. Invest.: S MOORE
Tech. Officer: JSC/M E ANDERSON
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 2 951 NEW YORK UNIV 7116
EFFECTS OF GRAVITY ON POSTNATL MOTOR DEVELOPMENT
12/22/1994 - 07/31/2001 FY02: $0 Total: $878,767
Prin. Invest.: K D WALTON
Tech. Officer: ARC/W E HINDS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1426 NEW YORK UNIV 7117
GRAVITATION & DEVELOPMENT MOTRICITY
07/26/2000 - 07/31/2002 FY02: $0 Total: $80,000
Prin. Invest.: K D WALTON
Tech. Officer: ARC/MM AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 7583 NEW YORK UNIV 7118
JOINT CENTER FOR COMPUTATIONAL MODELING (JCCM)
08/04/1998 - 12/31/2001 FY02: $0 Total: $203,000
Prin. Invest.: M BERGER
Tech. Officer: GSFC/D S SPICER
CASE Category: 21 – MATHEMATICS

NAG 5 9246 NEW YORK UNIV 7119
SENSITIVITY OF THE ATMOSPHERIC SHOWERS OF EXTREMEL Y HIGH ENERGY COSMIC RAYS TO UNKNOWN ASPECTS OF
03/14/2000 - 03/14/2003 FY02: $0 Total: $194,118
Prin. Invest.: G FARRAR
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9871 NEW YORK UNIV 7120
AN INVESTIGATION OF THE PREDICTABILITY OF THE NSIPP FORECAST SYSTEM
08/08/2000 - 08/14/2003 FY02: $0 Total: $185,000
Prin. Invest.: R KLEEMAN
Tech. Officer: GSFC/M REINECKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11669 NEW YORK UNIV 7121
TOOLS FOR GALAXY ASTROPHYSICS WITH SIRTF (LTSA 200 1)
01/28/2002 - 01/31/2007 FY02: $0 Total: $0
Prin. Invest.: D W HOGG
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 12100 NEW YORK UNIV 7122
PROBING COSMOLOGY WITH DEEP SURVEYS
04/24/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: R SCOCCIMARRO
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12419 NEW YORK UNIV 7123
ICE-SHELF OCEAN INTERACTIONS ALONG THE WESTERN ANTARTIC PEN-INSULA
08/07/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: D HOLLAND
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12427 NEW YORK UNIV 7124
AN INVESTIGATION OF PREDICTABILITY OF THE NSIPP FO RECAST SYSTEM.
08/19/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: R KLEEMAN
Tech. Officer: GSFC/M RIENECKER
CASE Category: 33 – OCEANOGRAPHY

NAG 9 1024 NEW YORK UNIV 7125
CANCER RISK MECHAHANISM FOLLOWING REPEATED EXPOSURE TO HIGH LET RADIATION
06/04/1998 - 08/30/2002 FY02: $0 Total: $589,334
Prin. Invest.: F J BURNS
Tech. Officer: JSC/F A CUCINOTTA
CASE Category: 56 – MEDICL

NCC 2 5417 NEW YORK UNIV 7126
SOFTWARE FOR IMAGE DISCRIMINABILITY & QUALITY MODE LING
02/15/2001 - 05/31/2001 FY02: $0 Total: $63,912
Prin. Invest.: M LANDY
Tech. Officer: ARC/A J AHUMADA, ARC/J B MULLIGAN
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 5472 NEW YORK UNIV 7127
VISION MODELING FOR THE SYNTHETIC VISION PROJECT
10/25/2001 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: M S LANDY
Tech. Officer: ARC/B L BEARD, ARC/D FOYLE
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 5513 NEW YORK UNIV 7128
USER INTERFACES FOR IMAGE DISCRIMINABILITY MODELS
08/02/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: M S LANDY
Tech. Officer: ARC/A J AHUMADA, ARC/A B WATSON
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NGT 8 52893 NEW YORK UNIV 7129
NANOTOOLS FROM BIOLOGY: ANTIBODY TECHNOLOGY APPLIED TO CARBON NANOTUBE PROCESSING
06/28/2000 - 10/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: S WILSON
Tech. Officer: MSFC/S NASH-STEVEN
CASE Category: 12 – CHEMISTRY

NCC 8 182 NIAGARA UNIV 7130
ALGORITHM DEVELOPMENT AND SCIENCES ANALYSIS OF STANDARD DATA PRODUCTS FROM LIGHTNING INSTR. SPACE
04/26/1999 - 07/31/2003 FY02: $0 Total: $67,514
Prin. Invest.: W BOECK
Tech. Officer: MSFC/R BLAKESLEE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 3 2533 POLYTECHNIC UNIV - BROOKLYN,NY 7131
REFLECTION & REFRACTION OF SOUND WAVES THROUGH GLOW DISCHARGES
01/25/2001 - 12/31/2002 FY02: $0 Total: $65,000
Prin. Invest.: M OTUGEN
Tech. Officer: GRC/D B ZAMAN
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2679 POLYTECHNIC UNIV - BROOKLYN,NY 7132
MICRO-OPTICAL DISTRIBUTED SENSORS FOR AERO PROPULS ION APPLICATIONS
12/17/2001 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: D OTUGAN
Tech. Officer: GRC/R SEASHOLTZ
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11365 POLYTECHNIC UNIV - BROOKLYN,NY 7133
ALGORITHMS AND ARCHITECTURES FOR CONTROL OF DISTRI BUTED SPACECRAFT FORMATIONS
10/05/2001 - 09/30/2003 FY02: $47,535 Total: $47,535
Prin. Invest.: V KAPILA
Tech. Officer: GSFC/J A LEITNER
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 8 1370 POLYTECHNIC UNIV - BROOKLYN,NY 7134
R/S "DIFFUSION, VISCOSTIY AND CRYSTAL GROWTH OF PROTEINS IN MICROGRAVITY"
05/28/1997 - 02/28/2002 FY02: $0 Total: $431,000
Prin. Invest.: A MYERSON
Tech. Officer: MSFC/B GUYNES, MSFC/J MAYO
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1455 POLYTECHNIC UNIV - BROOKLYN,NY 7135
R/S THERMODYNAMIC & SPECTROSCOPIC STUDIES OF SECONDARY NUCLEATION IN MICROGRAVITY
02/01/1998 - 07/31/2002 FY02: $0 Total: $282,667
Prin. Invest.: A S MEYERSON
Tech. Officer: MSFC/C TALLEY
CASE Category: 43 – CHEMICAL ENGR

NGT 8 52879 POLYTECHNIC UNIV - BROOKLYN,NY 7136
GRADUATE STUDENT RESEARCH PROGRAM DEVELOPMENT OF HEALTH MONITORING TECHNIQUESFOR AEROSPACE
09/08/1999 - 10/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: F LIN
Tech. Officer: MSFC/J DOWDY
CASE Category: 44 – CIVIL ENGR

NAG 1 2089 RENSSELAER POLYTECHNIC INST 7137
EVOLUTION IN DECENTRALIZED EMERGENT COMPUTATION MY 1/2
07/08/1998 - 05/30/2001 FY02: $0 Total: $264,639
Prin. Invest.: P HAJELA, K E JANSEN
Tech. Officer: LARC/J SOBIESKI, LARC/J R ROGERS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02089 RENSSELAER POLYTECHNIC INST 7138
DEVELOPMENT OF HIGH PERFORMANCE AVALANCHE PHOTO- DETECTORS (1/7-2.5UM) USING LATTICE MATCHED GAL-X
05/01/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: P DUTTA
Tech. Officer: LARC/M N ABEDIN
CASE Category: 13 – PHYSICS

NAG 3 2351 RENSSELAER POLYTECHNIC INST 7139
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF THE STABILITY OF AN EVAPORATING CONSTRAINED VAPOR BUBB
03/24/2000 - 11/30/2003 FY02: $0 Total: $81,500
Prin. Invest.: D C WAYNER
Tech. Officer: GRC/R SKARDA
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2383 RENSSELAER POLYTECHNIC INST 7140
R & D WORK ON THE CONSTRAINED VAPOR BUBBLE SYSTEM FOR A MICROGRAVITY EXPERIMENT
04/18/2000 - 04/21/2005 FY02: $0 Total: $314,250
Prin. Invest.: P C WAGNER
Tech. Officer: GRC/J SKARDA
CASE Category: 43 – CHEMICAL ENGR

NAG 3 2525 RENSSELAER POLYTECHNIC INST 7141
THE PREPARATION OF SIC NANOTUBES & NANOLAYERS #207 -01-253B
01/17/2001 - 01/23/2003 FY02: $0 Total: $127,311
Prin. Invest.: D INTERRANTE
Tech. Officer: GRC/D LARKIN
CASE Category: 12 – CHEMISTRY

NAG 3 2552 RENSSELAER POLYTECHNIC INST 7142
MINORITY ENGINEERING PROGRAM MINORITY ENGINEERING PROGRAM
03/06/2001 - 12/01/2001 FY02: $0 Total: $30,000
Prin. Invest.: M D SMITH
Tech. Officer: GRC/T ROGERS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2714 RENSSELAER POLYTECHNIC INST 7143
DYNAMICS AND STABILITY OF CAPILLARY SYSTEMS: MOVIN G LIQUIDS BY DESIGN
02/25/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D HIRSA
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 7598 RENSSELAER POLYTECHNIC INST 7144
ORIGIN OF LIFE: INTERSTELLAR MOLECULES TO INTRONS
07/15/1998 - 12/31/2002 FY02: $0 Total: $2,800,218
Prin. Invest.: D P FERRIS
Tech. Officer: GSFC/M A MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 7884 RENSSELAER POLYTECHNIC INST 7145
THE NATURE AND EVOLUTION OF INTERSTELLAR & CIRCUMSTELLAR ICES & ORGANIC MATTER
12/01/1998 - 12/31/2003 FY02: $0 Total: $47,724
Prin. Invest.: D C WHITTET
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8976 RENSSELAER POLYTECHNIC INST 7146
PARTICIPATING SCIENTIEST: ANALYSIS OF THE MSI/NIS SPECTRA OF EROS
01/24/2000 - 03/31/2002 FY02: $0 Total: $70,887
Prin. Invest.: M J GAFFEY
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9148 RENSSELAER POLYTECHNIC INST 7147
AN INVENTORY OF CARBONACEOUS MOLECULES IN INTERSTELLAR ICES & THEIR RELATION TO COMETS
03/03/2000 - 03/14/2003 FY02: $0 Total: $108,558
Prin. Invest.: D WHITTET
Tech. Officer: GSFC/M MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 9607 RENSSELAER POLYTECHNIC INST 7148
A LABORATORY INVESTIGATION OF PHOTOCHEMICAL PROCES SES ON TITAN
05/12/2000 - 05/14/2002 FY02: $0 Total: $266,000
Prin. Invest.: J P FERRIS
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10345 RENSSELAER POLYTECHNIC INST 7149
CHARACTERIZATIONS OF ASTEROID_SURFACE MATERIALS: METEORITE PARENT BODIES & ASTEROID EVOLUTIONA
02/01/2001 - 02/14/2003 FY02: $0 Total: $50,000
Prin. Invest.: D J GAFFEY
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11662 RENSSELAER POLYTECHNIC INST 7150
ENANTIOMERIC EXCESSES IN THE EARLY SOLAR SYSTEM-TH E ROLE OF CIRCULARLY POLARIZED RADIATION
02/07/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: D WHITTET
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 8 1468 RENSSELAER POLYTECHNIC INST 7151
R/S EVOLUTION OF LOCAL MICROSTRUCTURES SPATIAL INSTABILITIES OF CORSENING CLUSTERS
02/24/1998 - 01/31/2003 FY02: $0 Total: $401,259
Prin. Invest.: M E GLICKSMAN
Tech. Officer: MSFC/L B JETER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1696 RENSSELAER POLYTECHNIC INST 7152
FOLLOW-ON RESEARCH ACTIVITIES FOR THE RENSSELAER ISOTHERMAL DENDRITIC GROWTH EXPERIMENT (RIDGE)
05/15/2000 - 11/30/2003 FY02: $0 Total: $135,000
Prin. Invest.: M E GLICKSMAN, M B KOSS
Tech. Officer: MSFC/P M DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1795 RENSSELAER POLYTECHNIC INST 7153
EXPERIMENTAL INVESTIGATION INTO ADVANCED PROPULSION FORTH GENERATION SPACE TRANSPORTATION
04/12/2001 - 03/31/2004 FY02: $0 Total: $99,000
Prin. Invest.: L N MYRABO, H NAGAMATSU
Tech. Officer: MSFC/J W LEHNER
CASE Category: 46 – MECHANICAL ENGR

NCC 2 5494 RENSSELAER POLYTECHNIC INST 7154
CREATION OF ENCAPSULATED SPIECES IN FULLERNE AND D IAMOND BASED NANOSTRUCTURES
06/05/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: P M AJAYAN
Tech. Officer: ARC/T R GOVINDAN, ARC/A GRADY-HEISER
CASE Category: 13 – PHYSICS

NCC 8 97 RENSSELAER POLYTECHNIC INST 7155
SPACE AND GROUND BASED CRYSTAL GROWTH USING MAGNETICALLY COUPLED BAFFLE
06/13/1996 - 12/31/2003 FY02: $0 Total: $796,247
Prin. Invest.: A G OSTROGORSKY
Tech. Officer: MSFC/D SCHAEFER
CASE Category: 13 – PHYSICS

NGT 3 52341 RENSSELAER POLYTECHNIC INST 7156
POWDER LUBRICATED JOURNAL BEARING DEVELOPMENT
06/29/1998 - 08/31/2001 FY02: $0 Total: $64,000
Prin. Invest.: J A TICHY
Tech. Officer: GRC/D MONTEGANI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50382 RENSSELAER POLYTECHNIC INST 7157
MAIN BELT ASTERIODS: COMPOSITIONAL EVEIDENCE FOR DYNAMIC EARLY SOLAR SYSTEM PROCESSES/STUDENT: PAUL
05/20/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M GAFFEY
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2484 ROCHESTER INST OF TECHNOLOGY 7158
SPIN-ON GLASSY ELECTROLYTES FOR THIN-FILM MICROELE CTRONIC BATTERIES
09/11/2000 - 11/30/2002 FY02: $0 Total: $46,182
Prin. Invest.: D P RAFFAELLE
Tech. Officer: GRC/N HAGEDORN
CASE Category: 12 – CHEMISTRY

NAG 3 2593 ROCHESTER INST OF TECHNOLOGY 7159
DEVELOPMENT OF ADVANCED GRAVITY-INDEPENDENT HIGH H EAT FLUX PHASE CHANGE HEAT EXCHANGER TECH & DESIG
05/11/2001 - 06/30/2003 FY02: $0 Total: $42,462
Prin. Invest.: D RAFFAELLE
Tech. Officer: GRC/S BAILEY
CASE Category: 13 – PHYSICS

NAG 3 2595 ROCHESTER INST OF TECHNOLOGY 7160
QUANTUM DOT DEVICE CHARACTERIZATION AND DEVELOPMEN T
04/30/2001 - 05/31/2004 FY02: $0 Total: $50,000
Prin. Invest.: D P RAFFAELLE
Tech. Officer: GRC/S BAILEY
CASE Category: 13 – PHYSICS

NAG 3 2596 ROCHESTER INST OF TECHNOLOGY 7161
SIC SOLAR CELLS SIC SOLAR CELLS
04/30/2001 - 05/31/2002 FY02: $0 Total: $36,889
Prin. Invest.: D RAFFAELLE
Tech. Officer: GRC/S BAILEY
CASE Category: 13 – PHYSICS

NAG 5 9090 ROCHESTER INST OF TECHNOLOGY 7162
A PROGRAM TO DEVELOP HYBRIDIZED 2K X 2K SI PIN ARRAYS FOR SPACE
02/17/2000 - 01/31/2003 FY02: $0 Total: $679,700
Prin. Invest.: Z NINKOV
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 10051 ROCHESTER INST OF TECHNOLOGY 7163
FOREST FIRES IMAGING EXPERIMENT SYSTEMS
09/29/2000 - 08/31/2003 FY02: $0 Total: $2,275,275
Prin. Invest.: A VODECEK
Tech. Officer: GSFC/T D GUBBELS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11009 ROCHESTER INST OF TECHNOLOGY 7164
SYNERGISTIC APPLICATIONS OF EO-1 AND LANDSAT 7 FOR CANOPY TEMPERA
06/06/2001 - 06/14/2003 FY02: $0 Total: $69,997
Prin. Invest.: D SCHOTT
Tech. Officer: GSFC/J A SMITH
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 11298 ROCHESTER INST OF TECHNOLOGY 7165
YEAR ONE OF SOLICITED PROPOSAL ENTITLED,"LANDSAT RADIOMETRIC CALIBRATION: TOWARDS A 20 YEAR RECORD
08/29/2001 - 08/31/2004 FY02: $0 Total: $94,989
Prin. Invest.: J SCHOTT
Tech. Officer: GSFC/B L MARKHAM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 02051 ROCHESTER INST OF TECHNOLOGY 7166
WILDFIRE AIRBORNE SENSOR PROGRAM (WASP)
09/10/2002 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: MCKEOWN
Tech. Officer: SSC/M GIARDINO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 786 ROCHESTER INST OF TECHNOLOGY 7167
INTEGRATED POWER SOURCES INTEGRATED POWER SOURCES
03/23/2000 - 04/30/2003 FY02: $0 Total: $75,000
Prin. Invest.: D P RAFAELLE
Tech. Officer: GRC/A F HEPP
CASE Category: 13 – PHYSICS

NCC 3 806 ROCHESTER INST OF TECHNOLOGY 7168
SOLID STATE LITHIUM POLYMER ELECTROLYTE DEVELOPMEN T
06/07/2000 - 05/31/2001 FY02: $0 Total: $50,000
Prin. Invest.: D P RAFFAELLE
Tech. Officer: GRC/A F HEPP
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 3 807 ROCHESTER INST OF TECHNOLOGY 7169
THIN FILM SOLAR CELL PROCESSING AND DEVELOPMENT THIN FILM SOLAR CELL PROCESSING AND DEVELOPMENT
06/07/2000 - 05/31/2001 FY02: $0 Total: $70,000
Prin. Invest.: D P RAFFAELLE
Tech. Officer: GRC/A HEPP
CASE Category: 13 – PHYSICS

NCC 3 937 ROCHESTER INST OF TECHNOLOGY 7170
SCANNING, TUNNELING OPTICAL RESONANCE MICROSCOPY (STORM)
02/12/2002 - 01/24/2005 FY02: $0 Total: $0
Prin. Invest.: D P RAFFAELLE
Tech. Officer: GRC/D BAILEY
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 953 ROCHESTER INST OF TECHNOLOGY 7171
WIDE BANDGAP SPACE PHOTOVOLTAICS DEVELOPMENT WIDE BANDGAP SPACE PHOTOVOLTAICS DEVELOPMENT
04/11/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: D RAFFAELLE
Tech. Officer: GRC/G LANDIS
CASE Category: 13 – PHYSICS

NCC 3 956 ROCHESTER INST OF TECHNOLOGY 7172
HIGH PURITY SINGLE WALL NANOTUBE ANODES HIGH PURITY SINGLE WALL NANOTUBE ANODES
05/02/2002 - 04/17/2005 FY02: $0 Total: $0
Prin. Invest.: D P RAFFAELLE
Tech. Officer: GRC/A F HEPP
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC13 98001 ST UN NY COL-ENV SCI & FORESTRY 7173
A CENTER FOR EXPLORING AND DEVELOPING COMMERCIAL APPLICATIONS OF REMOTE SENSING AND GEO-SPATIAL TEC
09/01/1998 - 12/31/2002 FY02: $0 Total: $500,000
Prin. Invest.: P HOPKINS
Tech. Officer: SSC/N SOVIK
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 01003 STATE U NY COLL OF ENVIR SCI & FORESTRY 7174
APPLYING REMOTE SENSING TO FOREST MANAGEMENT IN ST ATE AGENCIES
06/01/2001 - 05/31/2002 FY02: $0 Total: $449,010
Prin. Invest.: P HOPKINS
Tech. Officer: SSC/N SOVIK
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6227 STATE UNIV OF NEW YORK - ALBANY 7175
DETECTING INTERACTIONS BETWEEN VEGETATION AND THE THE NORTH-EASTERN UNITED STATES
09/12/1997 - 12/31/2001 FY02: $0 Total: $296,085
Prin. Invest.: D R FITZJARRALD
Tech. Officer: GSFC/D WICKLAND
CASE Category: 11 – ASTRONOMY

NAG 5 7469 STATE UNIV OF NEW YORK - ALBANY 7176
CASE STUDY INVESTIGATIONS OF LARGE-AMPLITUDE INERT IA-GRAVITY WAVE ENVIRONMENTS AND MESOSCALE
06/03/1998 - 06/30/2001 FY02: $0 Total: $129,936
Prin. Invest.: L BOSART
Tech. Officer: GSFC/A NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8815 STATE UNIV OF NEW YORK - ALBANY 7177
GENETIC COMPLEXITY IN THE RNA WORLD: AN EXAMINATIO N OF THE GENETIC LOAD IN RNA POPULATIONS
10/06/1999 - 09/30/2001 FY02: $0 Total: $155,360
Prin. Invest.: N E LEHMAN
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9676 STATE UNIV OF NEW YORK - ALBANY 7178
TECHNOLOGY & POLICY ASPECTS OF APPLYING REMOTE SENSING TO FOREST MANAGEMENT IN STATE AGENCIES
05/31/2000 - 05/31/2001 FY02: $0 Total: $275,000
Prin. Invest.: P F HOPKINS
Tech. Officer: GSFC/A J TUYAHOV
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9690 STATE UNIV OF NEW YORK - ALBANY 7179
DEVELOPING & TESTING OF NEW TECHNIQUES FOR CONSER- VATIONAL BIOGEOPHYSICAL MINERALEXPLORATION
06/19/2000 - 11/30/2003 FY02: $0 Total: $114,589
Prin. Invest.: H MASSONE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11008 STATE UNIV OF NEW YORK - ALBANY 7180
RELATIONSHIP BETWEEN CORE CONVECTIVE STRUCTURE AND INTEN- SITY CHANGE IN TROPICAL CYCLONES
06/06/2001 - 06/14/2004 FY02: $0 Total: $80,000
Prin. Invest.: J MOLINARI
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG13 02043 STATE UNIV OF NEW YORK - ALBANY 7181
APPLYING REMOTE SENSING TO FOREST MANAGEMENT IN STATE AGEN- CIES
08/01/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: P F HOPKINS
Tech. Officer: SSC/M GIARDINO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 1 18942 STATE UNIV OF NEW YORK - ALBANY 7182
SAGE III SCIENCE SUPPORT - P.I. - DR. V. MOHNEN
01/31/1990 - 01/31/2005 FY02: $0 Total: $587,630
Prin. Invest.: V MOHNEN
Tech. Officer: LARC/G L MADDREA, LARC/L R MCMASTER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5380 STATE UNIV OF NEW YORK - ALBANY 7183
A PRELIMINARY TEST OF THE CO2 RECTIFIER HYPOTHESIS USING EXISTING UPPER TROPOSPHERIC MEASUREMENTS...
04/15/2000 - 10/14/2002 FY02: $0 Total: $48,710
Prin. Invest.: M KRITZ
Tech. Officer: ARC/L PFISLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5504 STATE UNIV OF NEW YORK - ALBANY 7184
ANALYS OF CARBON DIOXIDE AND RADON MEASUREMENTS MA DE IN THE UPPER TROPOSPHERE OVER THE UNITED STATE
07/19/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M KRITZ
Tech. Officer: ARC/L PFISTER, ARC/R S HIRSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 3 891 STATE UNIV OF NEW YORK - ALBANY 7185
POLYTYPE MAPPING AND DEFECT CHARACTERIZATION IN SILICON CAR- BIDE HETEROEPITAXIAL STRUCTURES
06/04/2001 - 04/30/2003 FY02: $0 Total: $55,000
Prin. Invest.: D DUDLEY
Tech. Officer: GRC/P NEUDECK
CASE Category: 45 – ELECTRICAL ENGR

NCC 5 283 STATE UNIV OF NEW YORK - ALBANY 7186
PERIODIC, TRANSIENT, AND SPATIALLY INHOMOGENEOUS I NFLUENCES ON C EXCHANGE IN AMAZONIA
06/23/1998 - 12/31/2002 FY02: $0 Total: $1,157,862
Prin. Invest.: D R FRITZJARRALD
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30431 STATE UNIV OF NEW YORK - ALBANY 7187
PHOTOCHEMICAL MINERALIZATION OF DISSOLVED ORGANIC MATTER AND THE GLOBAL CARBON CYCLE (STUDENT: EMIL
08/26/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: D KIEBER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9069 STATE UNIV OF NEW YORK - BINGHAMTON 7188
USE OF ROTATIONAL & GRAVITATIONAL OBSERVATIONS TO INFER CORE- MANTLE COUPLING &LONG TIDAL PERIODS
03/08/2000 - 05/31/2002 FY02: $0 Total: $107,000
Prin. Invest.: S DICKMAN
Tech. Officer: GSFC/H FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 1 336 STATE UNIV OF NEW YORK - BINGHAMTON 7189
RELIABILITY CRITERIA-BASED FLIGHT SYSTEM CONTROL MY 1/3
04/30/1999 - 01/31/2002 FY02: $0 Total: $159,254
Prin. Invest.: N WU
Tech. Officer: LARC/C M BELCASTRO, LARC/C M BELCASTRO
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02009 STATE UNIV OF NEW YORK - BINGHAMTON 7190
FAULT TOLERANT CONTROL OF AEROSPACE VEHICLES
02/12/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: N E WU
Tech. Officer: LARC/C M BELCASTRO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2238 STATE UNIV OF NEW YORK - BUFFALO 7191
FILITERED MASS DENSITY FUNCTION FOR DESIGN SIMU- LATIONS OF HIGH SPEED AIRBREATHING PROPULSION SYS.
09/20/1999 - 08/31/2002 FY02: $0 Total: $67,500
Prin. Invest.: P GIVI
Tech. Officer: LARC/J P DRUMMOND
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1429 STATE UNIV OF NEW YORK - BUFFALO 7192
A NEW SEMI-ACTIVE APPROACH FOR DYNAMIC RESPONSE MO DIFICATION OF HELICOPTERS
08/11/2000 - 08/31/2002 FY02: $0 Total: $46,994
Prin. Invest.: G LEE
Tech. Officer: ARC/C TUNG
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2225 STATE UNIV OF NEW YORK - BUFFALO 7193
LARGE EDDY SIMULATION OF GRAVITATIONAL EFFECTS ON TRANSITIONAL AND TURBULENT GAS-JET DIFFUSION FLAME
01/22/1999 - 08/10/2003 FY02: $0 Total: $263,911
Prin. Invest.: D GIVI
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9390 STATE UNIV OF NEW YORK - BUFFALO 7194
THE PLANETARY GEOLOGY AND GEOPHYSICS UNDERGRADUATE RESEARCH PROGRAM
04/04/2000 - 04/14/2003 FY02: $0 Total: $148,600
Prin. Invest.: T GREGG
Tech. Officer: GSFC/J A GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9619 STATE UNIV OF NEW YORK - BUFFALO 7195
VOLCANIC EVOLUTION & EROSIONAL HISTORY OF TYRRHENA & HADRIACA PATERAE, MARS
05/18/2000 - 05/14/2003 FY02: $0 Total: $109,200
Prin. Invest.: T GREGG
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9873 STATE UNIV OF NEW YORK - BUFFALO 7196
A NEW CLASS OF UNNATURAL FOLDING OLIGOMERS: HELICES WITH NANO-SIZED CAVITIES
08/10/2000 - 08/31/2003 FY02: $0 Total: $233,822
Prin. Invest.: B GONG
Tech. Officer: GSFC/S DAVISON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10608 STATE UNIV OF NEW YORK - BUFFALO 7197
REMOTE SENSING OF GROUND WATER: CALIBRATION OF EN VIRONMENTAL GROUND WATER FLOW MODELS TO SATELL
03/15/2001 - 03/14/2004 FY02: $0 Total: $115,418
Prin. Invest.: M BECKER
Tech. Officer: GSFC/M BECKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11835 STATE UNIV OF NEW YORK - BUFFALO 7198
EVOLUTION OF WESTERN HESPERIA PLANUM, MARS
03/06/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: T K GREGG
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12409 STATE UNIV OF NEW YORK - BUFFALO 7199
ASSESSMENT, MONITORING, AND MODELING OF LCLUC AND THEIR IMPACTS ON GROUNDWATER RESOURCES, ECOSYSTEM
08/01/2002 - 07/31/2004 FY02: $0 Total: $0
Prin. Invest.: M SULTAN
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 1 01034 STATE UNIV OF NEW YORK - BUFFALO 7200
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
06/22/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: K LEWIS
Tech. Officer: LARC/S L PADULA
CASE Category: 49 – ENGINEERING, OTHER

NGT 1 52185 STATE UNIV OF NEW YORK - BUFFALO 7201
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/12/1998 - 06/30/2002 FY02: $0 Total: $66,001
Prin. Invest.: K E LEWIS
Tech. Officer: LARC/J SOBIESKI
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52228 STATE UNIV OF NEW YORK - BUFFALO 7202
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
04/18/2000 - 12/31/2001 FY02: $0 Total: $22,001
Prin. Invest.: K E LEWIS, T J HALECKI
Tech. Officer: LARC/S L PADULA
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2040 STATE UNIV OF NEW YORK - STONY BROOK 7203
SPARC DATA CENTER MY 1/3
03/27/1998 - 12/31/2000 FY02: $0 Total: $179,288
Prin. Invest.: M A GELLER
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2065 STATE UNIV OF NEW YORK - STONY BROOK 7204
OCEAN BUOY SHORTWAVE (OBS): A DATA SET FOR SATELLITE RETRIEVAL AND GCM VALIDATION
05/01/1998 - 11/30/2000 FY02: $0 Total: $126,278
Prin. Invest.: R A WALISER
Tech. Officer: LARC/D S MCDOUGAL, LARC/J L RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2166 STATE UNIV OF NEW YORK - STONY BROOK 7205
SAGE II RESEARCH ON THE CONTROLLING PROCESSES OF UPPER TROPOSPHERIC & STRATOSPHERIC WATER VAPOR
03/17/1999 - 06/14/2003 FY02: $0 Total: $273,000
Prin. Invest.: M A GELLER
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01052 STATE UNIV OF NEW YORK - STONY BROOK 7206
CENTER FOR EMERGING TECHNOLOGIES: LONG ISLAND TECHNICALOGY CENTER
03/30/2001 - 04/14/2003 FY02: $0 Total: $997,800
Prin. Invest.: Y SHAMASH
Tech. Officer: LARC/R R ANTCLIFF
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1325 STATE UNIV OF NEW YORK - STONY BROOK 7207
APPLICATIONS OF COMPUTATIONAL FEOMETRY IN AIR TRAF FIC MANAGEMENT
05/19/1999 - 08/31/2002 FY02: $0 Total: $85,000
Prin. Invest.: J S MITCHELL
Tech. Officer: ARC/G MEYER
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1379 STATE UNIV OF NEW YORK - STONY BROOK 7208
EFFECT OF SIMULATED MICROGRAVITY ONACTIVATED T CEL L GENE TRASCRIPTION
08/16/1999 - 02/28/2003 FY02: $0 Total: $206,623
Prin. Invest.: M A MORROW
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1517 STATE UNIV OF NEW YORK - STONY BROOK 7209
ELUCIDATING THE MOLECULAR EVENTS OF BONE MECHANORE CTPTION
08/31/2001 - 08/14/2003 FY02: $0 Total: $139,589
Prin. Invest.: M HADJIARYROU
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2693 STATE UNIV OF NEW YORK - STONY BROOK 7210
MICROSTRUCTURAL ENGINEERING AND AN INTEGRATED PROC ESSING APPROACH FOR REVOLUTIONARY TBC'S
02/12/2002 - 01/09/2005 FY02: $0 Total: $0
Prin. Invest.: C C BERNDT
Tech. Officer: GRC/J J ELDRIDGE
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 3718 STATE UNIV OF NEW YORK - STONY BROOK 7211
LABORATORY SPECTROSCOPIC MEASUREMENTS RELEVANT TO RE-SEARCH
01/24/1997 - 02/28/2003 FY02: $0 Total: $437,365
Prin. Invest.: D VARANABI
Tech. Officer: GSFC/M J KURYLO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 3950 STATE UNIV OF NEW YORK - STONY BROOK 7212
OPTIMIZATION OF A BIOCHEMICAL COUNTERMEASURE
02/12/1997 - 02/14/2002 FY02: $0 Total: $1,047,235
Prin. Invest.: C T RUBIN
Tech. Officer: GSFC/V SCHNEIDER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 4043 STATE UNIV OF NEW YORK - STONY BROOK 7213
CIO MEASUREMENTS AND ANALYSIS IN THE NETWORK FOR T STRATO-SPHERIC CHANGE
05/06/1997 - 03/31/2002 FY02: $0 Total: $1,397,451
Prin. Invest.: P SOLOMON
Tech. Officer: GSFC/M J KURYLO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4071 STATE UNIV OF NEW YORK - STONY BROOK 7214
STRATOPHERIC AND MESOSPHERIC TRACE GAS STUDIES USI MM-WAVE RECEIVERS
03/21/1997 - 12/31/2001 FY02: $0 Total: $555,549
Prin. Invest.: R L DE ZAFRA
Tech. Officer: GSFC/M J KURYLO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6601 STATE UNIV OF NEW YORK - STONY BROOK 7215
DEVELOPMENT AND VALIDATION OF A TROPICAL ISOPRENE EMISSION MODEL
12/09/1997 - 03/31/2002 FY02: $0 Total: $117,349
Prin. Invest.: M LERDAU
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6879 STATE UNIV OF NEW YORK - STONY BROOK 7216
STUDIES OF EXCITED SPECIES IN PLANETARY UPPER ATMO SPHERES
01/30/1998 - 08/14/2002 FY02: $0 Total: $266,738
Prin. Invest.: J L FOX
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7134 STATE UNIV OF NEW YORK - STONY BROOK 7217
UARS INVESTIGATIONS OF WAVE-COUPLING IN THE MIDDLE ATMOSPHERE
03/03/1998 - 02/14/2001 FY02: $0 Total: $225,003
Prin. Invest.: D A GELLER
Tech. Officer: GSFC/A DOUGLASS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7978 STATE UNIV OF NEW YORK - STONY BROOK 7218
A COMPREHENSIVE STUDY OF NEUTRON STAR PHOTOSPHERES _ (LTSA98)
01/06/1999 - 12/31/2003 FY02: $0 Total: $178,000
Prin. Invest.: F M WALTER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8106 STATE UNIV OF NEW YORK - STONY BROOK 7219
COSMIC RAYS IN INTERPLANETARY SPACE
02/04/1999 - 05/15/2001 FY02: $0 Total: $242,918
Prin. Invest.: D A FORMAN
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 8169 STATE UNIV OF NEW YORK - STONY BROOK 7220
SEDIMENTARY GEOCHEMISTRY OF MARTIAN SAMPLES FROM T HE PATH-FINDER MISSION
02/16/1999 - 08/31/2001 FY02: $0 Total: $59,500
Prin. Invest.: S M MCLENNAN
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8377 STATE UNIV OF NEW YORK - STONY BROOK 7221
SYSTEMATIC STUDY OF EXPLOSIONS IN CORE COLLAPSE SUPERNOVA - REOB. DUE TO PI TRANSF. FROM NAG5-3099
03/08/1999 - 12/31/2000 FY02: $0 Total: $28,837
Prin. Invest.: F SWETSY
Tech. Officer: GSFC/D WEST
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 8980 STATE UNIV OF NEW YORK - STONY BROOK 7222
WERNER BANDS OF H2 IN CIRCUMSTELLAR ENVIRONMENTS OF SE-LECTED CLASSICAL T TAURI STARS - FUSE
01/24/2000 - 01/31/2002 FY02: $0 Total: $45,500
Prin. Invest.: F M WALKER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9029 STATE UNIV OF NEW YORK - STONY BROOK 7223
SORPTION OF SIMPLE ORGANIC MOLECULES ONTO PYRITE: POSSIBLY AN IMPORTANT STEP IN THE ORIGIN OF LIFE
02/08/2000 - 12/31/2001 FY02: $0 Total: $45,519
Prin. Invest.: M A SCHOONEN
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9053 STATE UNIV OF NEW YORK - STONY BROOK 7224
A SELF-CONSISTEN GLOBAL VELKOCITY GRADIENT TENSOR FIELD MODEL
02/10/2000 - 02/14/2002 FY02: $0 Total: $170,000
Prin. Invest.: W E HOLT
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9680 STATE UNIV OF NEW YORK - STONY BROOK 7225
THE STABILITY OF ORBITAL CONFIGURATIONS AND THE UL TIMATE CONFIGURATIONS OF PLANETARY AND SATELLITE
06/21/2000 - 06/14/2003 FY02: $0 Total: $30,000
Prin. Invest.: J J LISSAUR
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9786 STATE UNIV OF NEW YORK - STONY BROOK 7226
TRAVEL SUPPORT AND WAVAS PROJECT SUPPORT OF SPARC
07/11/2000 - 07/31/2001 FY02: $0 Total: $34,726
Prin. Invest.: M A GELLER
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9958 STATE UNIV OF NEW YORK - STONY BROOK 7227
THE EVOLUTION OF STELLAR CORONAE FROM THE PMS THROUGH THE ZAMS
09/13/2000 - 09/14/2002 FY02: $0 Total: $45,000
Prin. Invest.: F M WALTER
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10284 STATE UNIV OF NEW YORK - STONY BROOK 7228
VERTICAL PROFILES OF LATENT HEATING IN TRMM: VALI- DATION & ASSIMILATION IN THE GEOS DATA ASSIMILATI
01/31/2001 - 01/31/2004 FY02: $0 Total: $50,000
Prin. Invest.: M ZHANG
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERICSCIENCE

NAG 5 10318 STATE UNIV OF NEW YORK - STONY BROOK 7229
THE EARLY EVOLUTION OF THE CIRCUMSTELLAR ENVIRON- MENT OF SOLAR-LIKE STARSFUSE 2000
01/25/2001 - 01/31/2002 FY02: $0 Total: $36,000
Prin. Invest.: F M WALTER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10506 STATE UNIV OF NEW YORK - STONY BROOK 7230
SURFICIAL PROCESSES ON MARS: AN EXPERIMENTAL APPROACH
03/05/2001 - 02/28/2003 FY02: $0 Total: $60,000
Prin. Invest.: S MCLENNAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10583 STATE UNIV OF NEW YORK - STONY BROOK 7231
SEDIMENTARY GEOCHEMISTRY ON MARS
03/19/2001 - 02/28/2004 FY02: $0 Total: $28,000
Prin. Invest.: S MCLENNAN
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10772 STATE UNIV OF NEW YORK - STONY BROOK 7232
EARLY BATSE GRB AFTERGLOWS (ADP 2000)
04/26/2001 - 04/30/2002 FY02: $0 Total: $10,000
Prin. Invest.: R A WIJERS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10995 STATE UNIV OF NEW YORK - STONY BROOK 7233
COSMIC RAYS IN INTERPLANETARY SPACE: SCATTERING THEORY IN THREE DIMENSIONAL TURBULENCE
05/31/2001 - 05/31/2004 FY02: $0 Total: $117,926
Prin. Invest.: M A FORMAN
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 11033 STATE UNIV OF NEW YORK - STONY BROOK 7234
INTRASEASONAL VARIABILITY IN THE INDIAN OCEAN
06/08/2001 - 06/30/2004 FY02: $0 Total: $59,976
Prin. Invest.: D WALISER
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11240 STATE UNIV OF NEW YORK - STONY BROOK 7235
TROPICAL UPWELLING AND STRATOPSHERIC WATER VAPOR VARIABILITY
08/15/2001 - 08/31/2004 FY02: $0 Total: $73,956
Prin. Invest.: M GELLER
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11615 STATE UNIV OF NEW YORK - STONY BROOK 7236
PROPOSAL FOR SPARK DATA CENTER
01/17/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: M GELLER
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12070 STATE UNIV OF NEW YORK - STONY BROOK 7237
MODELS OF PLANETARY THERMOSPHERES/IONESPHERES
04/18/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: J L FOX
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12441 STATE UNIV OF NEW YORK - STONY BROOK 7238
THE PECULIAR B STAR HD 28867E
08/06/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: F M WALTER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 8 1698 STATE UNIV OF NEW YORK - STONY BROOK 7239
MICROGRAVITY PROCESSING OF POLYMER THIN FILMS
06/02/2000 - 11/30/2003 FY02: $0 Total: $135,000
Prin. Invest.: M RAFAILOVICH
Tech. Officer: MSFC/P DOTY
CASE Category: 12 – CHEMISTRY

NAG 8 1700 STATE UNIV OF NEW YORK - STONY BROOK 7240
DEFECTS NUMERICALLY DECREASED (DENUDE)
08/07/2000 - 11/30/2003 FY02: $0 Total: $92,500
Prin. Invest.: D LARSON
Tech. Officer: MSFC/P M DOTY
CASE Category: 13 – PHYSICS

NAG 9 1433 STATE UNIV OF NEW YORK - STONY BROOK 7241
LOW INTENSITY MECHANICAL COUNTERMEASURE TO PROHIBI T OS- TEOPOROSIS DURING LONGTERM SPACEFLIGHT
06/19/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: C RUBIN
Tech. Officer: JSC/S MCCOLLUM
CASE Category: 56 – MEDICL

NAS 1 98142 STATE UNIV OF NEW YORK - STONY BROOK 7242
CERES SCIENCE INVESTIGATIONS
10/29/1998 - 10/31/2003 FY02: $0 Total: $494,914
Prin. Invest.: R D CESS
Tech. Officer: LARC/B A WIELICKI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 3 957 STATE UNIV OF NEW YORK - STONY BROOK 7243
HIGH RESOLUTION TRIPLE-AXIS X-RAY DIFFRACTION (HRT XD) AND SYNCHROTRON WHITE BEAM X-RAY TOPOGRAPHY (
04/24/2002 - 01/07/2003 FY02: $0 Total: $0
Prin. Invest.: D DUDLEY
Tech. Officer: GRC/R OKOJIE
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 5 342 STATE UNIV OF NEW YORK - STONY BROOK 7244
INTERDISCIPLINARY GLOBAL CHANGE RESEACH
06/23/1998 - 03/14/2002 FY02: $0 Total: $136,741
Prin. Invest.: M GELLER
Tech. Officer: GSFC/B CARLSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 8 93 STATE UNIV OF NEW YORK - STONY BROOK 7245
COMBINED SYNCHROTRON WHITE X-RAY TOPOGRAPHY & HIGH RESOLUTION TRIPLE AXIS X-RAY DIFFRACTION CHARACTE
04/22/1996 - 03/31/2001 FY02: $0 Total: $418,563
Prin. Invest.: M DUDLEY, R J MATYI
Tech. Officer: MSFC/C TALLEY, MSFC/F R SZOFRAN
CASE Category: 13 – PHYSICS

NCC 8 100 STATE UNIV OF NEW YORK - STONY BROOK 7246
RESEARCH ENTITLED "ORBITAL PROCESSING OF EUTECTICS
06/13/1996 - 10/31/2000 FY02: $0 Total: $656,249
Prin. Invest.: D LARSON
Tech. Officer: MSFC/T TURNER
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 30124 STATE UNIV OF NEW YORK - STONY BROOK 7247
ENVIRONMENTAL CONTROLS OVER 2-METHYL-3-BUTEN-2-01
09/30/1997 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: M LERDAU, GRAY
Tech. Officer: GSFC/M Y WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50322 STATE UNIV OF NEW YORK - STONY BROOK 7248
EVOLUTION OF THE THREE-DIMENSIONAL MOISTURE STRUCT URE ASSOCIATED WITH THE LIFE CYCLE OF THE MADDEN
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: D WALISER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9383 STATE UNIV OF NEW YORK COL - PLATTSBURGH 7249
TRACE ELEMENT ANALYSIS OF COSMIC DUST
04/04/2000 - 06/30/2003 FY02: $0 Total: $91,700
Prin. Invest.: G J FLYNN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11904 STATE UNIV OF NEW YORK COL - PLATTSBURGH 7250
SYNCHROTRON-BASED X-RAY MICROANALYSIS FACILITY FOR CHEMICAL AND MINERALOGICAL CHARACTERIZATION
04/25/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: G J FLYNN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12358 STATE UNIV OF NEW YORK COL - PLATTSBURGH 7251
CARBON IDENTIFICATION AND CHARACTERIZATION IN INTE RPLANETARY DUST PARTICLES: AN EXAMINATION
07/09/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: G J FLYNN
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1109 STATE UNIV OF NEW YORK COL - PLATTSBURGH 7252
JSC ASTROBIOLOGY INST
05/11/1999 - 05/13/2003 FY02: $0 Total: $75,000
Prin. Invest.: G J FLYNN
Tech. Officer: JSC/E K GIBSON
CASE Category: 13 – PHYSICS

NAG 5 4691 STATE UNIV OF NEW YORK COLL - PURCHASE 7253
CARBON AND NITROGEN ABUNDANCES IN INTERPLANETARY TO PREBIOTIC ORGANIC MATTER ON EARTH
06/26/1997 - 10/31/2001 FY02: $0 Total: $73,550
Prin. Invest.: D J FLYNN
Tech. Officer: GSFC/M A MEYER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 9370 STATE UNIV OF NEW YORK COLL - PURCHASE 7254
VALIDATION AND IMPROVEMENT OF DAO ANALYSES USING FLIGHT DATA RECORDER OBSERVATIONS
04/12/2000 - 03/31/2003 FY02: $0 Total: $138,000
Prin. Invest.: J TENENBAUM
Tech. Officer: GSFC/M HELFAND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10221 STATE UNIV OF NEW YORK COLL - PURCHASE 7255
EXPERIMENTAL STUDY OF THE IMPACT DISRUPTION OF MET EORITIC SAMPLES: PARENT BODY FRAGMENTATION & THE
01/11/2001 - 01/14/2004 FY02: $0 Total: $30,000
Prin. Invest.: G FLYNN
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2464 STATE UNIV OF NEW YORK COLL, BUFFALO 7256
DYNAMICS OF AEROSOL PARTICLES IN STATIONARY ISOTRO PIC TURBULENCE
06/16/2000 - 11/30/2003 FY02: $0 Total: $77,000
Prin. Invest.: H MENG
Tech. Officer: GRC/F P CHIARAMONTE 111
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 4544 STATE UNIV OF NEW YORK COLL, BUFFALO 7257
PLANETARY GEOLOGY AND GEOPHYSICS UNDERGRADUATE RES
05/13/1997 - 03/31/2001 FY02: $0 Total: $204,086
Prin. Invest.: GREGG
Tech. Officer: GSFC/J G GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7579 STATE UNIV OF NEW YORK COLL, BUFFALO 7258
FUNDING FOR 'DEBRIS FLOW HAZARD ASSESSMENT, PICO D E ORIZABA, MEXICO' (SENH98-0089)
08/04/1998 - 07/31/2002 FY02: $0 Total: $300,000
Prin. Invest.: M F SHERIDAN
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7581 STATE UNIV OF NEW YORK COLL, BUFFALO 7259
FUNDING FOR 'TEPHROSTRATIGRAPHIC AND SATELLITE IMA GERY ANALYSIS OF THE KAMCHATKAN SHORELINE...' (SE
08/04/1998 - 01/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: M BURSIK
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICALSCIENCE

NAG 5 10648 STATE UNIV OF NEW YORK COLL, BUFFALO 7260
ANALYSIS OF VOCANOTECTONICS DEFORMATION & VOLCANIC HAZARDS USING TOPSAR & SRTM, MONO BASIN CALIFORNI
04/02/2001 - 04/14/2003 FY02: $0 Total: $35,000
Prin. Invest.: M I BURSIK
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11331 STATE UNIV OF NEW YORK COLL, BUFFALO 7261
ATTITUDE DETERMINATION SCHEMES FOR THE CEGANS SENSORS
09/27/2001 - 11/30/2001 FY02: $0 Total: $5,900
Prin. Invest.: J CRASSIDIS
Tech. Officer: GSFC/D A QUINN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12179 STATE UNIV OF NEW YORK COLL, BUFFALO 7262
DEVELOPMENT OF AUTOMATED SPACECRAFT ALIGNMENT AND CALIBRATION ALGORITHMS
05/10/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: J CRASSIDIS
Tech. Officer: GSFC/R HARMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2419 SYRACUSE UNIV 7263
MEASUREMENT OF TURBULENT PRESSURE AND TEMPERATURE FLUCTUATIONS IN A GAS TURBINE COMBUSTOR
05/11/2000 - 03/31/2003 FY02: $0 Total: $158,710
Prin. Invest.: D LAGRAFF
Tech. Officer: GRC/D A POVINELLI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2427 SYRACUSE UNIV 7264
RAPIDLY SHEARED BUBBLY SUSPENSIONS RAPIDLY SHEARED BUBBLY SUSPENSIONS
05/24/2000 - 04/30/2005 FY02: $0 Total: $136,500
Prin. Invest.: D SANGANI
Tech. Officer: GRC/H K NAHRA
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 6822 SYRACUSE UNIV 7265
STUDIES OF REACTIONS ON INTERSTELLAR GRAIN ANALOGU ES IN A UV-RICH ENVIRONMENT
01/12/1998 - 12/31/2001 FY02: $0 Total: $229,476
Prin. Invest.: G VIDALI
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 9093 SYRACUSE UNIV 7266
ENERGETICS OF MOLECULAR HYDROGEN FORMATION
02/17/2000 - 01/31/2003 FY02: $0 Total: $135,940
Prin. Invest.: G VIDALI
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 11227 SYRACUSE UNIV 7267
APPLY SENSE, ANALYZE, INTERPRET AND DECIDE (SAID) TO THE DEVELOPMENT OF INTELLIGENT ALGORITHMS& SYS
08/13/2001 - 08/14/2003 FY02: $0 Total: $997,800
Prin. Invest.: P K VARSHNEY
Tech. Officer: GSFC/E J MASUOKA
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11438 SYRACUSE UNIV 7268
MOLECULE FORMATION ON DUST GRAIN ANALOGUES: STUDY OF KINETICS AND ENERGETICS
12/04/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: G VIDALI
Tech. Officer: GSFC/H HASAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12391 SYRACUSE UNIV 7269
FABRICATION OF LINBO3 CYLINDER ″D″ SHAPED FIBER
07/22/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: D KORNREIGH
Tech. Officer: GSFC/H SHAW
CASE Category: 13 – PHYSICS

NAS 3 00172 SYRACUSE UNIV 7270
ENHANCED 3D VISCOUS INVERSE DESIGN CFD CODE
11/03/2000 - 09/30/2002 FY02: $0 Total: $141,504
Prin. Invest.: N AVAILABLE
Tech. Officer: GRC/C COLES-HAMILTON
CASE Category: 22 – COMPUTER SCIENCE

NCC 1 01004 SYRACUSE UNIV 7271
AN ADVANCED INTERACTIVE DISCOVERY ENVIRONMENT FOR ENGINEERING EDUCATION
02/07/2001 - 12/31/2003 FY02: $0 Total: $998,000
Prin. Invest.: B D DAVIDSON, E D LIDDY
Tech. Officer: LARC/R D BRAUN, LARC/K A CANNON
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1142 UNIV OF ROCHESTER 7272
PROPOSAL FOR INFRARED SUBMILLIMETER, AND RADIO AST RONOMY
07/22/1997 - 05/31/2002 FY02: $0 Total: $1,479,766
Prin. Invest.: W J FORREST, J L PIPHER
Tech. Officer: ARC/C R MCCREIGHT, ARC/R E MCMURRAY
CASE Category: 13 – PHYSICS

NAG 2 1280 UNIV OF ROCHESTER 7273
DEVELOPMENT OF DETECTOR ARRAYS FOR LOW-BACKGROUND SPACE ASTRONOMY
01/12/1999 - 02/28/2002 FY02: $0 Total: $195,000
Prin. Invest.: W J FORREST
Tech. Officer: ARC/C R MCCREIGHT
CASE Category: 45 – ELECTRICAL ENGR

NAG 2 1452 **UNIV OF ROCHESTER** **7274**
DEVELOPMENT OF OPTIMIZED 1K X 1K MULTIPLEXER FOR N GST
02/01/2001 - 12/31/2002 FY02: $0 Total: $450,000
Prin. Invest.: W J FORREST
Tech. Officer: ARC/C R MCCREIGHT, ARC/R E MCMURRAY, JR
CASE Category: 11 – ASTRONOMY

NAG 2 1533 **UNIV OF ROCHESTER** **7275**
DEVELOPMENT OF 10 UM HGCDTE DETECTOR ARRAYS FOR PA SSIVELY COOLED SPACE MISSIONS
02/12/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: W J FORREST, J L PIPHER
Tech. Officer: ARC/C R MCCREIGHT, ARC/R E MCCMURRAY
CASE Category: 11 – ASTRONOMY

NAG 3 2348 **UNIV OF ROCHESTER** **7276**
LIQUID CRYSTAL POINT-DIFFRACTION INTERFEROMETER (L CPDI) MATERIALS AND DEVICES FOR MICROGRAVITY FLUI
03/08/2000 - 11/30/2003 FY02: $0 Total: $131,776
Prin. Invest.: K MARSHALL
Tech. Officer: GRC/D GRIFFIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 6119 **UNIV OF ROCHESTER** **7277**
SUNSPOT DYNAMICS
08/08/1997 - 08/31/2001 FY02: $0 Total: $173,100
Prin. Invest.: D H THOMAS
Tech. Officer: GSFC/W J WAGNER
CASE Category: 11 – ASTRONOMY

NAG 5 6267 **UNIV OF ROCHESTER** **7278**
DEVELOPMENT OF LOW DARK CURRENT, HIGH QUANTUM EFFI R PASSIVELY COOLED SPACE EXPERIMENTS
08/21/1997 - 06/30/2003 FY02: $110,000 Total: $715,562
Prin. Invest.: J L PIPHER
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 8428 **UNIV OF ROCHESTER** **7279**
THE PHYSICS OF RADIATIVE MHD JETS: A NUMERICAL STUDY OF MAGNETIZED YSO OUTFLOWS
06/02/1999 - 06/14/2003 FY02: $0 Total: $278,780
Prin. Invest.: A FRANK
Tech. Officer: GSFC/R K OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8642 **UNIV OF ROCHESTER** **7280**
DEVELOPMENT OF 2 - 10 MICRON HGCDTE ARRAYS FOR EXP LORER MISSIONS AND SOFIA.
07/08/1999 - 06/30/2002 FY02: $0 Total: $492,402
Prin. Invest.: J L PIPHER
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 11 – ASTRONOMY

NAG 5 9351 **UNIV OF ROCHESTER** **7281**
DEVELOPMENT OF EXTRINSIC GERMANIUM BLOCKED-IMPURIT Y-BAND DETECTOR ARRAYSFOR FAR-INFRARED ASTRONOMY
03/30/2000 - 12/31/2002 FY02: -$64,054 Total: $233,946
Prin. Invest.: D M WATSON
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 13 – PHYSICS

NAG 5 10429 **UNIV OF ROCHESTER** **7282**
NGST DETECTOR ARRAY TESTING AT THE UNIV OF R OCHESTER
02/22/2001 - 02/28/2003 FY02: $0 Total: $183,000
Prin. Invest.: D J FORREST
Tech. Officer: GSFC/M GREENHOUSE
CASE Category: 11 – ASTRONOMY

NAG 5 11557 **UNIV OF ROCHESTER** **7283**
MULTISENSORY INTERACTIONS SUBSERVING ORIENTING BEH AVIOR
01/09/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: G PAIGE
Tech. Officer: GSFC/G FOGLEMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1382 **UNIV OF ROCHESTER** **7284**
EN VIVO HEMOPOIESIS IN 3-DIMENSIONSAL HUMAN BONE MARROW CULTURE UNDER SIMULATED MICROGRAVITY
07/09/1997 - 07/08/2001 FY02: $0 Total: $519,000
Prin. Invest.: D WU
Tech. Officer: MSFC/C TALLEY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1360 **UNIV OF ROCHESTER** **7285**
CIRCADIAN RYTHMS AN DCONTROL OF HEMATOPOIESIS
07/27/2001 - 09/30/2004 FY02: $0 Total: $79,000
Prin. Invest.: J H WU
Tech. Officer: JSC/D RISEN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 104 **UNIV OF ROCHESTER** **7286**
THE NUCLEATION OF REFRACTORY VAPORS & ITS IMPACT ON ASTROPHYSICAL PROCESSES/STUDENT: DANIEL MARTINE
05/25/2000 - 08/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: R H HEIST
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 43 – CHEMICAL ENGR

NGT 5 50360 **UNIV OF ROCHESTER** **7287**
EXPERIMENTAL EFFOR FOR THE OBSERVATION OF MACROSCO PIC QUANTUM COHERENCE IN AN RF - SQUID
05/25/2001 - 05/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: M BOCKO
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NORTH CAROLINA

NAG 1 01014 **DUKE UNIV** **7288**
IMPACT OF MODEL UNCERTAINTY ON SPATIAL COMPENSATN IN STRUCTURAL ACOUSTIC CONTROL
03/27/2001 - 12/31/2003 FY02: $0 Total: $50,535
Prin. Invest.: R L CLARK
Tech. Officer: LARC/R H CABELL
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01062 **DUKE UNIV** **7289**
THE MECHANICS OF FLAPPING FLIGHT
04/11/2001 - 01/31/2004 FY02: $0 Total: $35,723
Prin. Invest.: K C HALL
Tech. Officer: LARC/D E COX
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1377 **DUKE UNIV** **7290**
EVOLUTION OF GENE REGULATORY SYSTEM: STRUCTURAL & FUNCTIONAL ANALYSES OF EVOLUTIONARY DIVERSIFICAT
08/19/1999 - 09/30/2002 FY02: $0 Total: $316,458
Prin. Invest.: G A WRAT
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 1838 **DUKE UNIV** **7291**
DENSITY EQUILIBATION IN FLUIDS NEAR THE LIQUIRD-VA POR CRITIAL POINT
04/22/1996 - 04/30/2003 FY02: $0 Total: $350,000
Prin. Invest.: H MEYER
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2372 **DUKE UNIV** **7292**
GRAVITY AND GRANULAR MATERIALS GRAVITY AND GRANULAR MATERIALS
04/07/2000 - 11/30/2003 FY02: $0 Total: $168,650
Prin. Invest.: R P BEHRINGER
Tech. Officer: GRC/R A WILKINSON
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2627 **DUKE UNIV** **7293**
MODELING OF UNSTEADY THREE-DIMENSIONAL FLOWS IN MU LTISTAGE MACHINES
06/07/2001 - 04/02/2005 FY02: $0 Total: $18,243
Prin. Invest.: K C HALL
Tech. Officer: GRC/A P KURKOV
CASE Category: 46 – MECHANICAL ENGR

NAG 5 3665 **DUKE UNIV** **7294**
A STUDY OF CARBON MONOXIDE USING TRACE CONSTITUENT DATA ASSIMILATION: A NEW APPROACH IN GLOBAL ....
01/15/1997 - 12/31/2000 FY02: $0 Total: $646,175
Prin. Invest.: P KABIBHATLA
Tech. Officer: GSFC/R ROOD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8533 **DUKE UNIV** **7295**
TO WHAT EXTENT CAN INCREASED EVAPOTRANSPIRATION DUE TO GROUNDWATER BASED IRRIGATION IN THE GREAT
07/02/1999 - 07/14/2003 FY02: $0 Total: $233,754
Prin. Invest.: S ROJSTACZER
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9348 **DUKE UNIV** **7296**
PHYSICAL VARIABILITY, ECOSYSTEM RESPONSE & BIOGEO CHEMICAL CONSEQUENCES IN THE PACIFIC OCEAN: UNDERS
03/28/2000 - 04/30/2003 FY02: $0 Total: $303,262
Prin. Invest.: R T BARBER
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9605 **DUKE UNIV** **7297**
CONTINUED DEVELOPMENT & APPLICATION OF DATA ASSIMI LATION TECHNIQUES FOR TROPOSPHERIC CHEMISTY STUDI
05/31/2000 - 05/31/2003 FY02: $0 Total: $338,430
Prin. Invest.: P KASIBHATLA
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10270 **DUKE UNIV** **7298**
MAGENETOSPHERIC, IONOSPHERIC, & ATMOSPHERIC EFFECT OF INTENSE LIGHTNING-GENERATED ELECTROMAGNETIC
01/08/2001 - 01/14/2004 FY02: $0 Total: $73,976
Prin. Invest.: S CUMMER
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11400 **DUKE UNIV** **7299**
SUPPORT FOR THE NASA-HYDROMETEOROLOGY SCIENCE TEAM OFFICE
01/10/2002 - 07/14/2003 FY02: $0 Total: $0
Prin. Invest.: R AVISSAR
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11401 **DUKE UNIV** **7300**
THE IMPACTS OF LAND-USE/LAND-COVER CHANGE IN AMAZONIA ON HYDROMETEOROLOGICAL PROCESSES AT
01/10/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: R AVISSAR
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11402 **DUKE UNIV** **7301**
A STUDY OF TELECONNECTIONS USING A NESTED GCM-RCM & SATELLITE OBSERVATIONS
02/05/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: R AVISSAR
Tech. Officer: GSFC/Y SUD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11680 **DUKE UNIV** **7302**
IMPACT OF FIELD-SCALE HETEROGENEITY IN SURFACE MOI STURE AND VEGETATION COVER ON REGIONAL SCALE FLUX
01/31/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: J ALBERTSON
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12072 **DUKE UNIV** **7303**
MAGNETOSPHERIC RADIO TOMOGRAPHY: OBSERVABLES, ALGO RITHMS, AND EXPERIMENTAL ANALYSIS
04/19/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: S A CUMMER
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12336 **DUKE UNIV** **7304**
THE HIERARCHICAL STRUCTURE OF ORGANISMS: IS THERE ANY INCREASING TENDENCY IN EVOLUTION?
07/15/2002 - 06/30/2004 FY02: $0 Total: $0
Prin. Invest.: D MCSHEA
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12497 **DUKE UNIV** **7305**
"CONSTRUCTING GRIDDED GLOBAL MAPS FOR ISLSCP II"
08/29/2002 - 02/28/2004 FY02: $0 Total: $0
Prin. Invest.: R B JACKSON
Tech. Officer: GSFC/B W MEESON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1581 **DUKE UNIV** **7306**
R//S DIFFERENTIATION AND MAINTENANCE OF SKELETAL AND CARDIAC MUSCLE IN SIMULATED GRAVITY
04/28/1999 - 11/30/2002 FY02: $0 Total: $400,000
Prin. Invest.: W E KRAUS
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1715 **DUKE UNIV** **7307**
RESEARCH ENTITLED: DYNAMICE STRUCTURAL MODELING AND AND TESTING OF THIN-FILM STRUCTURE.
03/23/2000 - 06/02/2003 FY02: $0 Total: $121,102
Prin. Invest.: L N VIRGIN, K N SLADE
Tech. Officer: MSFC/M TINKER, MSFC/L CURTIS
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1781 **DUKE UNIV** **7308**
QUANTUM COHERENCE IN ULTRACOLD FERMIONIC VAPORS
05/01/2001 - 04/30/2005 FY02: $0 Total: $70,000
Prin. Invest.: J E THOMAS
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 9 83 **DUKE UNIV** **7309**
PREBREATHE REDUCTION PROTOCOL
03/11/1999 - 04/01/2003 FY02: $0 Total: $425,000
Prin. Invest.: R VANN
Tech. Officer: JSC/M GERNHARDT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 02009 **DUKE UNIV** **7310**
GRADUATE STUDENT RESEARCHER PROGRAM (GSRP)
06/12/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: L VIRGIN, D HOLLAND
Tech. Officer: LARC/K BELVIN
CASE Category: 46 – MECHANICAL ENGR

NGT 5 69 **DUKE UNIV** **7311**
A REGIONAL ASSESSMENT OF THE RATE AND DIRECTION OF CHANGE IN SOIL ORGANIC CARBON POOLS DUE TO LAND
05/28/1998 - 09/14/2001 FY02: $0 Total: $62,100
Prin. Invest.: B SCHLESINGER
Tech. Officer: GSFC/M S BURRELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30355 **DUKE UNIV** **7312**
EFFECTS OF PRECIPITATION VARIABILITY & DESERTIFICA TION ON WATER DYNAMICSIN ARID LANDS: A PATCH & LA
08/24/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J REYNOLDS
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30379 **DUKE UNIV** **7313**
THE INFLUENCE OF IRRIGATION ON WARM SEASON PRECIPI TATION IN THE GREW PLAINS/NATHAN J. MOORE
08/13/2001 - 08/31/2004 FY02: $0 Total: $21,412
Prin. Invest.: S ROJSTACZER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30397 **DUKE UNIV** **7314**
MECHANISMS CONTROLLING THE RESPONSE OF DEITRIFICA TION TO ANTHROPOGENIC NITROGEN DEPOSITION (STUDENT
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: W H SCHLESSINGER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30472 **DUKE UNIV** **7315**
MONITORING AND MODELING THE RESPONSE OF COASTAL EC OSYSTEMS AND CARBON STORAGE TO RISING SEA LEVEL
08/27/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: N L CHRISTENSEN
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50224 **DUKE UNIV** **7316**
VARYING EOLIAN DUST INPUTS AND SPATIOTEMPORAL PATT ERNS OF CHANGE ON CARIBBEAN CORAL REEFS
09/29/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: R T BARBER, M HAYES
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50266 **DUKE UNIV** **7317**
CYTOSKELETAL CONTRIBUTIONS TO CHANGES IN ELASTICIT Y OF MAM-MALIAN MYOCYTES AFTER CYCLIC MECHANICAL
07/07/1999 - 06/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: G TRUSKEY
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 6045 **EAST CAROLINA UNIV** **7318**
SC2000/SC2001 COMPUTATIONAL SCIENCE LEADERSHIP PRO GRAM FOR HIGH SCHOOL TEACHERS
08/23/2000 - 07/31/2002 FY02: $0 Total: $108,000
Prin. Invest.: J C HUSKAMP
Tech. Officer: ARC/J P ZIEBARTH, ARC/M J LEON
CASE Category: 22 – COMPUTER SCIENCE

NAG13 02034 **EAST CAROLINA UNIV** **7319**
EVALUATING THE EFFECTS OF BOTTOM TRAWLS IN THE PAM LICO RIVER, NC: AN APPLICATION OF REMOTE SENSING
02/26/2002 - 02/24/2003 FY02: $0 Total: $0
Prin. Invest.: D CORBETT
Tech. Officer: SSC/R MILLER
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 1 01027 **EAST CAROLINA UNIV** **7320**
THE LIVES, CAREERS, AND ENGINEERING ACCOMPLISH- MENTS OF WILBUR AND ORVILLE WRIGHT
03/13/2001 - 12/31/2002 FY02: $0 Total: $91,874
Prin. Invest.: L TISE
Tech. Officer: LARC/S E MASSENBERG
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1165 **EAST CAROLINA UNIV** **7321**
HYPERGRAVITY EFFECTS ON THE MATERNAL-FETAL SYSTEM
03/27/2000 - 03/14/2003 FY02: $0 Total: $58,902
Prin. Invest.: H W BURDEN
Tech. Officer: ARC/A E RONCA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 1 2229 ELIZABETH CITY STATE UNIV 7322
A PILOT COMPUTER AIDED DESIGN AND MANUFACTUREING CURRICULM THAT PROMOTES ENGINEERING
09/15/1999 - 07/31/2001 FY02: $0 Total: $200,001
Prin. Invest.: E LAWRENCE
Tech. Officer: LARC/G D REESE
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2150 ELIZABETH CITY STATE UNIV 7323
CONTROLLING CHAOS IN JOSEPHSON JUNCTION CONTROLLING CHAOS IN JOSEPHSON JUNCTION
04/07/1998 - 05/31/2002 FY02: $0 Total: $244,272
Prin. Invest.: D SENGUPTA, S K KANA, K D EDOH
Tech. Officer: GRC/M ANDRO, GRC/E J PETRIK
CASE Category: 21 – MATHEMATICS

NAG 3 2556 ELIZABETH CITY STATE UNIV 7324
AIR TRAFFIC ANALYSIS AIR TRAFFIC ANALYSIS
03/01/2001 - 02/28/2002 FY02: $0 Total: $35,000
Prin. Invest.: D PENDHARKAR
Tech. Officer: GRC/D C ROBINSON
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 5 9371 ELIZABETH CITY STATE UNIV 7325
MATHEMATICS OF THE GREAT DISMAL SWAMP
04/06/2000 - 03/31/2003 FY02: $0 Total: $203,776
Prin. Invest.: L HAYDEN
Tech. Officer: GSFC/B MEESON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9372 ELIZABETH CITY STATE UNIV 7326
YOU BE THE SCIENTIST WITH SATELLITE IMAGERY IN EX/ EC COMMUNI-TITES
04/06/2000 - 03/31/2003 FY02: $0 Total: $189,791
Prin. Invest.: L B HAYDEN
Tech. Officer: GSFC/B MEESON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11842 ELIZABETH CITY STATE UNIV 7327
PLANNING AND DEVELOPMENT OF CONFERENCE ACTIVITIES RELATING TO PUBLIC SCHOOL CURRICULA ENHANCEMENT US
03/11/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: W PORTER
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12554 ELIZABETH CITY STATE UNIV 7328
CLONING, EXPRESSION AND GROWTH OF H.PYLORI PROTEIN CRYSTALS IN MICROGRAVITY.
09/12/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: D BANERJEE
Tech. Officer: GSFC/J L HARRINGTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 5 121 ELIZABETH CITY STATE UNIV 7329
REGIONAL NETWORK RESOURCES AND TRAINING SITE AT ECSU
08/15/1995 - 08/14/2001 FY02: $0 Total: $2,639,000
Prin. Invest.: L HAYDEN
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 533 ELIZABETH CITY STATE UNIV 7330
ECSU - NRTS CONTINUATION/MUSPIN NRTS PROGRAM.
02/01/2001 - 01/31/2004 FY02: $0 Total: $357,694
Prin. Invest.: L HAYDEN
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2227 FAYETTEVILLE STATE UNIV 7331
TEACHING INTEGRATED MATHEMATICS AND SCIENCE WITH TECHNOLOGY AND NASA RESOURCES: A PARTNERSHIP
08/23/1999 - 07/31/2001 FY02: $0 Total: $200,001
Prin. Invest.: I EDWARDS
Tech. Officer: LARC/S MASSENBERG
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02107 FAYETTEVILLE STATE UNIV 7332
PRE-COLL PROGRAM - HUMAN SPACE FLIGHT INST
07/25/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: L EDWARDS
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 21 – MATHEMATICS

NAG 5 9155 FAYETTEVILLE STATE UNIV 7333
MATHEMATICS/SCIENCE EDUCATION CENTER PRECOLL PROGRAM
03/03/2000 - 02/28/2003 FY02: $0 Total: $200,000
Prin. Invest.: L EDWARDS
Tech. Officer: GSFC/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2300 JOHNSON C. SMITH UNIV 7334
THE DEVELOPMENT OF A PASSIVE MILLIMETER WAVE IMAGI NG SYSTEM WITH SUPER-RESOLUTION
11/16/1999 - 12/31/2002 FY02: $0 Total: $195,192
Prin. Invest.: D E MILLER
Tech. Officer: GRC/D M BLANKSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2225 NORTH CAROLINA A&T STATE UNIV 7335
ACCESS TO SPACE THROUGH RESEARCH AND EDUCATION MY 1/2
08/24/1999 - 12/31/2001 FY02: $0 Total: $200,000
Prin. Invest.: F FERGUSON
Tech. Officer: LARC/R S CALLOWAY, LARC/B K OUTLAW
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02077 NORTH CAROLINA A&T STATE UNIV 7336
PERF EVAL & MODELING OF AFFORDABLE COMPOSITES MANUFACTURED USING STITCHING & Z-PINNING PROCESSES
04/05/2002 - 04/04/2005 FY02: $0 Total: $0
Prin. Invest.: A D KELKAR
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 2 1413 NORTH CAROLINA A&T STATE UNIV 7337
MOTION PLANNING IN A SOCIETY OF INTELLIGENT MOBILE AGENTS
07/05/2000 - 06/14/2002 FY02: $0 Total: $120,416
Prin. Invest.: A C ESTERLINE
Tech. Officer: ARC/M G SHATTO
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1430 NORTH CAROLINA A&T STATE UNIV 7338
COMBUSTION SENSORS: GAS TURBINE APPLICATIONS
08/16/2000 - 12/31/2001 FY02: $0 Total: $143,397
Prin. Invest.: M HUMAN
Tech. Officer: ARC/G ZILLIAC
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1469 NORTH CAROLINA A&T STATE UNIV 7339
EXAMINING THE PILOT & CONTROLLER PERFORMANCE DATA WHEN IN A FREE FLIGHT WITH WEATHER PHENONMENON
04/12/2001 - 08/14/2002 FY02: $0 Total: $130,000
Prin. Invest.: C NTUEN
Tech. Officer: ARC/S LOZITO, ARC/R ASHFORD
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 6028 NORTH CAROLINA A&T STATE UNIV 7340
RONALD E. MCNAIR GRADUATE RESEARCH FELLOWSHIP PROG RAM
02/22/1999 - 05/14/2002 FY02: $0 Total: $970,500
Prin. Invest.: R M SALAMI, L SHARPE
Tech. Officer: ARC/A CARDENAS, ARC
CASE Category: 45 – ELECTRICAL ENGR

NAG 2 6061 NORTH CAROLINA A&T STATE UNIV 7341
NASA RONALD E MCNAIR GRADUATE RESEARCH FELLOWSHIP PROGRAM
08/15/2002 - 08/14/2004 FY02: $0 Total: $0
Prin. Invest.: J MONROE
Tech. Officer: ARC/A CARDENAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2165 NORTH CAROLINA A&T STATE UNIV 7342
DEVELOPMENT OF A STRUCTURAL DAMAGE DIAGNOSTIC AND MONITORING SYSTEM FOR ROCKETENGINES PHASE I: DAMA
06/11/1998 - 10/31/2000 FY02: $0 Total: $90,000
Prin. Invest.: Y ELLEN, L SHARPE
Tech. Officer: GRC/D F NOGA, GRC/A L JANKOVSKY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2584 NORTH CAROLINA A&T STATE UNIV 7343
ADVANCED CROSS ENTERPRISE TECHNOLOGY
04/05/2001 - 03/11/2004 FY02: $0 Total: $539,870
Prin. Invest.: D DOGAN
Tech. Officer: GRC/G FUJIKAWA
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2650 NORTH CAROLINA A&T STATE UNIV 7344
CARBON FIBER REINFORCED CERAMIC COMPOSITES FOR PRO PULSION APPLICATION
09/21/2001 - 10/31/2002 FY02: $0 Total: $5,000
Prin. Invest.: D N SHIVAKUMAR
Tech. Officer: GRC/M R FREEDMAN
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2782 NORTH CAROLINA A&T STATE UNIV 7345
STUDY OF GAASSBN ALLOYS FOR SOLAR CELL APPLICATION S
05/24/2002 - 06/23/2005 FY02: $0 Total: $0
Prin. Invest.: W COLLIS
Tech. Officer: GRC/R F LAWRENCE
CASE Category: 49 – ENGINEERING, OTHER

NAG 4 152 NORTH CAROLINA A&T STATE UNIV 7346
INVESTIGATION OF AERO SERVO STRUCTURAL INTERACTIO IN AEROSPACE APPLICATIONS
03/23/1998 - 09/18/2002 FY02: $0 Total: $300,000
Prin. Invest.: S CHANDRA
Tech. Officer: DFRC/J BRADEN, DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 211 NORTH CAROLINA A&T STATE UNIV 7347
DEVELOPMENT AND EVALUATION OF FAULT-TOLERANT FLIGH T CONTROL SYSTEMS
06/26/2000 - 06/14/2003 FY02: $0 Total: $200,000
Prin. Invest.: D D SONG
Tech. Officer: DFRC/K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 7158 NORTH CAROLINA A&T STATE UNIV 7348
SELF-TIMED SYNCHRONOUS DIGITAL SYSTEM DESIGN
03/11/1998 - 12/31/2002 FY02: $0 Total: $299,028
Prin. Invest.: A WALKER
Tech. Officer: GSFC/P CORONADO
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 9170 NORTH CAROLINA A&T STATE UNIV 7349
NATIONAL CONFERENCE OF BLACK PHYSICS STUDENTS
03/06/2000 - 03/14/2001 FY02: $0 Total: $77,708
Prin. Invest.: E WILLIAMS
Tech. Officer: GSFC/J A JACKSON
CASE Category: 13 – PHYSICS

NAG 5 9419 NORTH CAROLINA A&T STATE UNIV 7350
LOW-POWER RF SOI-CMOS TECHNOLOGY FOR DISTRIBUTED SENSOR NETWORKS
04/11/2000 - 08/30/2003 FY02: $0 Total: $100,000
Prin. Invest.: N DOGAN
Tech. Officer: GSFC/J MALONE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1632 NORTH CAROLINA A&T STATE UNIV 7351
POLYMERIZATION OF ADVANCED THERMOSETS IN MICRO- GRAVITY TO DEVELOP ULTRA LOW LOSS PLOYMERS
09/17/1999 - 07/31/2002 FY02: $0 Total: $99,983
Prin. Invest.: A KENNEDY
Tech. Officer: MSFC/A BEAM, MSFC/W LOVE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1646 NORTH CAROLINA A&T STATE UNIV 7352
STRUCTURAL HEALTH MONITORING OF AEROSPACE VEHICLES
09/30/1999 - 09/30/2001 FY02: $0 Total: $200,000
Prin. Invest.: N
Tech. Officer: MSFC/A BEAM, MSFC/W LOVE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1865 NORTH CAROLINA A&T STATE UNIV 7353
INVESTIGATION OF THE NEXT-GENERATION DESIGN TOOL FOR AEROSPACE NRA01OEOP
05/29/2002 - 05/28/2005 FY02: $0 Total: $0
Prin. Invest.: S WANG
Tech. Officer: MSFC/W LOVE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1402 NORTH CAROLINA A&T STATE UNIV 7354
"ANALYTIC SOLUTION ALGORITHMS & SIMULATION FOR COM PRESSIBLE FLOW MODELS: COMPUTATIONAL BENCHMARKS"
03/01/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: D CLEMENCE
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 21 – MATHEMATICS

NAG10 317 NORTH CAROLINA A&T STATE UNIV 7355
A WIRELESS RADIO LOCATION SYSTEM FOR USE IN AN IND OOR ENVIRONMENT
06/17/2002 - 06/13/2005 FY02: $0 Total: $0
Prin. Invest.: D DUNN
Tech. Officer: KSC/D ABRAHAM
CASE Category: 49 – ENGINEERING, OTHER

NAS 3 01197 NORTH CAROLINA A&T STATE UNIV 7356
8CM, AND 30CM CARBON-CARBON GRIDS, USING INNOVATIV E MANUFAC-TURING PROCESS
08/14/2001 - 05/28/2004 FY02: $0 Total: $40,000
Prin. Invest.: K SHIVAKUMAR
Tech. Officer: GRC/T HAAG
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 255 NORTH CAROLINA A&T STATE UNIV 7357
THE CENTER FOR AEROSPACE RESEARCH: A NASA CENTER OF EXCEL-LENCE
05/13/1997 - 12/31/2002 FY02: $0 Total: $4,900,000
Prin. Invest.: E O DOSE
Tech. Officer: LARC/W WHIGGLOW, JR.
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01058 NORTH CAROLINA A&T STATE UNIV 7358
INTEGRATION OF NASA RESEARCHIN UNDERGRAD EDUCATION IN MATH-EMATICS, SCIENCE, ENGINEERING & TECHNOLOGY
08/24/2001 - 06/30/2003 FY02: $0 Total: $701,721
Prin. Invest.: J D MONROE
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 4 105 NORTH CAROLINA A&T STATE UNIV 7359
ON THE PREVIEWED CONTROL ACTION FOR AIRCRAFT FLYING QUALITIES
07/25/1996 - 03/30/2001 FY02: $0 Total: $93,023
Prin. Invest.: D HOMAIFAR
Tech. Officer: DFRC/R K BOGUE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 349 NORTH CAROLINA A&T STATE UNIV 7360
INTEGRATION OF NASA RESEARCH INTO UNDERGRADUATE ED UCATION IN MATHEMATICSSCIENCE, ENGINEERING AND TE
06/29/1998 - 02/28/2002 FY02: $0 Total: $1,500,000
Prin. Invest.: J D MONROE
Tech. Officer: GSFC/B WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 4 52409 NORTH CAROLINA A&T STATE UNIV 7361
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/04/1999 - 10/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: S CHANDRA, S WYLIE
Tech. Officer: DFRC/K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2804 NORTH CAROLINA CENTRAL UNIV 7362
INTEGRATION OF NANOTECHNOLOGY AND COMPUTATIONAL MO DELING NASA RELATED RESEARCH INTO THE UNDERGRADUA
09/19/2002 - 09/22/2006 FY02: $0 Total: $0
Prin. Invest.: B V VIAHOVIC
Tech. Officer: GRC/R F LAWRENCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2216 NORTH CAROLINA STATE UNIV. - RALEIGH 7363
ALGORITHMIC ENHANCEMENTS FOR THE VULCAN NAVIER- STOKES SOLVER
08/09/1999 - 08/31/2002 FY02: $0 Total: $50,001
Prin. Invest.: J R EDWARDS
Tech. Officer: LARC/J A WHITE, LARC/J P DRUMMOND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2222 NORTH CAROLINA STATE UNIV. - RALEIGH 7364
AN INVESTIGATION OF TERMINAL GUIDANCE & CONTROL TECHNIQUES FOR A ROBOTIC MARSLANDER
08/06/1999 - 05/15/2001 FY02: $0 Total: $62,356
Prin. Invest.: G O WALBERG, B K BIRGE
Tech. Officer: LARC/E M QUEEN, LARC/R W POWELL
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 1 01002 NORTH CAROLINA STATE UNIV. - RALEIGH 7365
LEVELS OF AUTOMTION IN THE COMMERCIAL AIRCRAFT COCKPIT AND PILOT SITUATION AWARENESS
12/06/2000 - 12/31/2001 FY02: $0 Total: $63,462
Prin. Invest.: D B KABER
Tech. Officer: LARC/A C TRUJILLO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01039 NORTH CAROLINA STATE UNIV. - RALEIGH 7366
HUMAN RESPONSE ADAPTV AUTOMATN EARLY SENSOR/INFO ACQ FUNC & LATER STGS OF INFO PROCESSG IN SYS OPS
04/19/2001 - 12/31/2001 FY02: $0 Total: $39,971
Prin. Invest.: D KABER
Tech. Officer: LARC/L J PRINZEL
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 1 01041 NORTH CAROLINA STATE UNIV. - RALEIGH 7367
MODEL DEVELOPMENT FOR HIGH PERFORMANCE PIEZO- CERAMIC-BASED ACTUATORS
03/22/2001 - 08/28/2002 FY02: $0 Total: $33,886
Prin. Invest.: R C SMITH
Tech. Officer: LARC/J S HARRISON
CASE Category: 21 – MATHEMATICS

NAG 1 01064 NORTH CAROLINA STATE UNIV. - RALEIGH 7368
ACTIVE SHIELDING & CONTROL OF ENVIRONMENTAL NOISE
04/19/2001 - 12/31/2001 FY02: $0 Total: $10,009
Prin. Invest.: S C TSYNKOV
Tech. Officer: LARC/C L STREETT, LARC/H L ATKINS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01069 NORTH CAROLINA STATE UNIV. - RALEIGH 7369
UNINHABITED AERIAL VEHICLES (UAV) FLIGHT CONTROL USING DISTRIB-UTED ACTUATION & SENSING
05/18/2001 - 09/30/2003 FY02: $0 Total: $43,308
Prin. Invest.: N E CHOKANI, C E HALL
Tech. Officer: LARC/D L RANEY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01103 NORTH CAROLINA STATE UNIV. - RALEIGH 7370
MULTISCALE MODELING OF NANOCOMPOSITES
06/19/2001 - 06/30/2003 FY02: $0 Total: $19,993
Prin. Invest.: F G YUAN
Tech. Officer: LARC/E H GLASSGEN, LARC/E SAETHER
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01111 NORTH CAROLINA STATE UNIV. - RALEIGH 7371
A COMPUTATIONAL INTELLIGENT (CI) APPROACH TO THE PRECISION MARS LANDER PROBLEM
08/09/2001 - 05/15/2002 FY02: $0 Total: $35,413
Prin. Invest.: G D WALBERG
Tech. Officer: LARC/E M QUEEN, LARC/R W POWELL
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 1 01119 NORTH CAROLINA STATE UNIV. - RALEIGH 7372
POST-STALL FLIGHT UNSTEADY AERODYNAMIC STUDY AND GAIN-SCHEDULED CONTROLLER DESIGN
08/16/2001 - 08/31/2004 FY02: $0 Total: $50,000
Prin. Invest.: F WU
Tech. Officer: LARC/P C MURPHY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01128 NORTH CAROLINA STATE UNIV. - RALEIGH 7373
ENHANCEMENT OF BUCKLING LOAD WITH THE USE OF ACTIVE MATERIALS
09/27/2001 - 11/30/2002 FY02: $0 Total: $26,106
Prin. Invest.: F G YUAN
Tech. Officer: LARC/D R AMBER
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02007 NORTH CAROLINA STATE UNIV. - RALEIGH 7374
CHARACTERIZING PRETURBULENCE ENVIRONMT SENSOR DEV, NEW HAZ-ARD ALGORITHMS & EXPERIMENTAL FLT PLANNING
11/30/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: M L KAPLAN
Tech. Officer: LARC/F H PROCTOR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02031 NORTH CAROLINA STATE UNIV. - RALEIGH 7375
RESEARCH ON AERODYNAMIC HEATING AT HYPERSONIC SPEEDS USING UNSTRUCTURED GRIDS
01/10/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: F R DEJARNETTE, K J WEILMUENSTER, H H HAMILTON
Tech. Officer: LARC/R A THOMPSON
CASE Category: 41 – AERONAUTICALENGNR

NAG 1 02052 NORTH CAROLINA STATE UNIV. - RALEIGH 7376
SOLUTION ADAPTIVE SCHEMES FOR THE VULCAN NAVIER- STOKES SOLVER
02/12/2002 - 02/11/2005 FY02: $0 Total: $0
Prin. Invest.: J R EDWARDS, D S MCRAE
Tech. Officer: LARC/J A WHITE
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 1 02056 NORTH CAROLINA STATE UNIV. - RALEIGH 7377
AUTH IN ADAPTIVE AUTOMATION APPLIED TO VARIOUS STAGES OF HUMAN-MACHINE SYS INFORMATION PROCESSING
02/25/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: D B KABER
Tech. Officer: LARC/L J PRINZEL, LARC/M D EUNKING
CASE Category: 69 – PSYCHOLOGY,OTHER

NAG 1 02080 NORTH CAROLINA STATE UNIV. - RALEIGH 7378
MODEL DEVELOPMENT FOR HIGHPERFORMANCE PIEZOCERAMIC -BASED ACUTATORS
04/01/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: R C SMITH
Tech. Officer: LARC/J S HARRISON
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02086 NORTH CAROLINA STATE UNIV. - RALEIGH 7379
LOAD TRANSFER AND FRACTURE OF CARBON NANOTUBES MY 1/3
04/22/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: F G YUAN
Tech. Officer: LARC/E SAETHER, LARC/E H GLAESSGEN
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02091 NORTH CAROLINA STATE UNIV. - RALEIGH 7380
CHITIN-BASED MECHANICAL PROPERTIES EVALUATION
05/01/2002 - 05/15/2003 FY02: $0 Total: $0
Prin. Invest.: F G YUAN
Tech. Officer: LARC/R L SPELLMAN
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1281 NORTH CAROLINA STATE UNIV. - RALEIGH 7381
VISUAL FACTORS AFFECTING PILOT'S JUDGEMENTS OF TRA JECTORY-TO-TOUCHDOWN DURING EMERGENCY LANDINGS
01/11/1999 - 12/31/2001 FY02: $0 Total: $185,999
Prin. Invest.: D H MERSHON, C M MAYER
Tech. Officer: ARC/I BARSHI
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 1502 NORTH CAROLINA STATE UNIV. - RALEIGH 7382
PHOSPHOINOSITIDE SIGNALING AND PLANT GRAVITORPISM: A TRANS-GENIC APPROACH
07/16/2001 - 07/14/2003 FY02: $0 Total: $47,006
Prin. Invest.: I Y PERERA
Tech. Officer: ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1566 NORTH CAROLINA STATE UNIV. - RALEIGH 7383
A GENOMIC ANALYSIS OF PLANT GRAVITY SENSING AND RE SPONSE
06/12/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: C BROWN
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2658 NORTH CAROLINA STATE UNIV. - RALEIGH 7384
THREE-DIMENSIONAL NUMERICAL SIMULATION OF ROCKET-B ASED COMBINED-CYCLE ENGINERESPONSE DURING MODE T
01/25/2002 - 01/24/2005 FY02: $0 Total: $0
Prin. Invest.: J R EDWARDS
Tech. Officer: GRC/C J STEFFEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2706 NORTH CAROLINA STATE UNIV. - RALEIGH 7385
INVESTIGATION OF INTERACTIONS BETWEEN BIOCONVECTIO N AND NATURAL CONVECTION AND BIOFILM GROWTH IN PO
02/12/2002 - 02/11/2006 FY02: $0 Total: $0
Prin. Invest.: A V KUZNETSOV
Tech. Officer: GRC/R D GREEN
CASE Category: 46 – MECHANICAL ENGR

NAG 5 3743 NORTH CAROLINA STATE UNIV. - RALEIGH 7386
NASA SPECIALIZED CENTER OF RESEARCH AND TRAINING I BIOLOGY
03/19/1997 - 03/14/2003 FY02: $0 Total: $4,028,631
Prin. Invest.: E DAVIES
Tech. Officer: GSFC/D P LISKOWSKY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 6586 NORTH CAROLINA STATE UNIV. - RALEIGH 7387
REFINING REMOTE SENSING ESTIMATES OF NUTRIENT CONC ENTRATIONS BASED ON TEMPERATURE
11/07/1997 - 10/31/2002 FY02: $0 Total: $189,527
Prin. Invest.: D KAMYKOWSKI
Tech. Officer: GSFC/C A TREES
CASE Category: 33 – OCEANOGRAPHY

NAG 5 7153 NORTH CAROLINA STATE UNIV. - RALEIGH 7388
X-RAY EMISSION AND DYNAMICS OF SUPERNOVA REMNANTS - ATP
03/31/1998 - 03/14/2002 FY02: $0 Total: $382,170
Prin. Invest.: S P REYNOLDS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8215 NORTH CAROLINA STATE UNIV. - RALEIGH 7389
EDUCATIONAL OUTREACH FOR RESEARCH "PRODUCTION OF ENERGETIC PARTICLES AT HELIOSPHERIC SHOCKS". THIS
03/04/1999 - 10/31/2000 FY02: $0 Total: $9,975
Prin. Invest.: D C ELLISON
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 8865 NORTH CAROLINA STATE UNIV. - RALEIGH 7390
SEAWIFS DATA COLLECTION, CALIBRATION & PROCESSING FOR THE INDIAN OCEAN
12/06/1999 - 12/31/2002 FY02: $0 Total: $165,884
Prin. Invest.: J MORRISON
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9490 NORTH CAROLINA STATE UNIV. - RALEIGH 7391
SOFTWARE PACKAGE FOR ANALYSIS OF THERMAL X-RAY SPECTRA OF SUPERNOVA REMNANTS
04/17/2000 - 04/14/2002 FY02: $0 Total: $87,400
Prin. Invest.: K J BORKOWSKI
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10940 NORTH CAROLINA STATE UNIV. - RALEIGH 7392
X-RAY EMISSION AND DYNAMICS OF SUPERNOVA REMNANTS (ATP 2000)
05/15/2001 - 05/14/2004 FY02: $0 Total: $140,000
Prin. Invest.: S P REYNOLDS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11830 NORTH CAROLINA STATE UNIV. - RALEIGH 7393
DRIVERS OF LANDCOVER AND LANDUSE CHANGE ASSOCIATED WITH LAND RESTITUTION POLICIES IN GAU
02/28/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: S WALSH
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1479 NORTH CAROLINA STATE UNIV. - RALEIGH 7394
R/S GROWTH AND PROPERTIES OF CARBON
03/19/1998 - 04/30/2003 FY02: $0 Total: $358,333
Prin. Invest.: J BERNHOLC
Tech. Officer: MSFC/C TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1686 NORTH CAROLINA STATE UNIV. - RALEIGH 7395
OPTICAL CHARACTERIZATION OF GAS PHASE CHEMISTRY AND SURFACE CHEMISTRY DURING HIGH PRESSURE PROCESS
05/09/2000 - 12/31/2003 FY02: $0 Total: $164,000
Prin. Invest.: N DIETZ
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1817 NORTH CAROLINA STATE UNIV. - RALEIGH 7396
MODELS OF MASS TRANSPORT DURING MICROGRAVITY CRYSTAL GROWTH OF ALLOYED SEMICONDUCTORS
07/10/2001 - 11/30/2002 FY02: $40,000 Total: $76,000
Prin. Invest.: N MA
Tech. Officer: MSFC/P DOTY
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1087 NORTH CAROLINA STATE UNIV. - RALEIGH 7397
INTEGRATED PRESSURE BLADDER-RESTRAINT STRUCTURE FOR ADVANCED EXTRAVEHICULAR MOBILITY UNIT
02/12/1999 - 02/11/2003 FY02: $0 Total: $81,144
Prin. Invest.: M H MOHAMAD
Tech. Officer: JSC/C H LIN
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 1423 NORTH CAROLINA STATE UNIV. - RALEIGH 7398
DEVLOP SELF-CALIBRATING DISSOLVED OXYGEN MICROSENS OR ARRAY
06/13/2002 - 10/30/2002 FY02: $0 Total: $0
Prin. Invest.: C KIM
Tech. Officer: JSC/D JAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG10 308 NORTH CAROLINA STATE UNIV. - RALEIGH 7399
CAPTURING SELECTED LECTURES FROM THE COURSE "SPACE BIOLOGY" IN DIGITAL FORMAT: PHASE I
09/24/2001 - 09/16/2003 FY02: $0 Total: $38,338
Prin. Invest.: D S BROWN
Tech. Officer: KSC/J LETCHWORTH
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAS 1 01082 NORTH CAROLINA STATE UNIV. - RALEIGH 7400
HEALTH MONITORING OF RLV AIRFRAME STRUCTURES
05/30/2001 - 05/31/2003 FY02: $0 Total: $219,597
Prin. Invest.: F G YUAN, K PETERS
Tech. Officer: LARC/P H JOHNSTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 1 18944 NORTH CAROLINA STATE UNIV. - RALEIGH 7401
SAGE III SCIENCE INVESTIGATION SUPPORT; P.I. PROFESSOR SAXENA
10/06/1989 - 01/31/2005 FY02: $0 Total: $613,937
Prin. Invest.: V SAXENA
Tech. Officer: LARC/G MADDREA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 1 407 NORTH CAROLINA STATE UNIV. - RALEIGH 7402
RESEARCH ON STREAMLINES AND AERODYNAMIC HEATING FOR UNSTRUCTURED GRIDS ON HIGH SPEED VEHICLES
08/28/2000 - 06/30/2001 FY02: -$125 Total: $24,550
Prin. Invest.: F R DEJARNETTE
Tech. Officer: LARC/H H HAMILTON
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01008 NORTH CAROLINA STATE UNIV. - RALEIGH 7403
UAV (UNINHABITED AERIAL VEHICLE) FLIGHT TESTING 4 ADVANCED TECHNOLOGY CONCEPTS
11/28/2000 - 11/30/2003 FY02: $0 Total: $54,917
Prin. Invest.: N CHOKANI, C E HALL, S N HEINZEN
Tech. Officer: LARC/A E WASHBURN
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02040 NORTH CAROLINA STATE UNIV. - RALEIGH 7404
DEVELOPMENT AND FLIGHT TEST VALIDATION OF A AUTO RETURN FUNCTION
07/16/2002 - 07/15/2004 FY02: $0 Total: $0
Prin. Invest.: C E HALL, N CHOKANI, S N HEINZEN
Tech. Officer: LARC/E B JACKSON, LARC/D D VICROY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5506 NORTH CAROLINA STATE UNIV. - RALEIGH 7405
VIRTUAL MOLECULAR DESIGN OF SMART NANOPOROUS MATER IALS INSPIRED BY NUEROFILAMENT STRUCTURE AND FUNC
08/01/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: D W BRENNER
Tech. Officer: ARC/H PARTRIDGE, ARC/M MEYYAPPAN
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 8 95 NORTH CAROLINA STATE UNIV. - RALEIGH 7406
FUNDAMENTAL ASPECTS OF VAPOR DEPOSITITION AND ETCHING UNDER DIFFUSION CONTROLLED TRANSPORT
05/31/1996 - 08/31/2001 FY02: $0 Total: $691,133
Prin. Invest.: K J BACHMANN
Tech. Officer: MSFC/S SPEARMAN, MSFC/J GRISHAM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 8 159 NORTH CAROLINA STATE UNIV. - RALEIGH 7407
APPLICATION OF REMOTE SENSING TECHNOLOGIES IN THE FOREST SECTOR
10/28/1998 - 10/27/2003 FY02: $0 Total: $120,000
Prin. Invest.: R ABT
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 1 01004 NORTH CAROLINA STATE UNIV. - RALEIGH 7408
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
05/16/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: D KABER
Tech. Officer: LARC/L J PRINZEL, III
CASE Category: 69 – PSYCHOLOGY, OTHER

NGT 1 01007 NORTH CAROLINA STATE UNIV. - RALEIGH 7409
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/04/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: L SILVERBERG
Tech. Officer: LARC/D E COX
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 01032 NORTH CAROLINA STATE UNIV. - RALEIGH 7410
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
06/22/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: H T BANKS
Tech. Officer: LARC/W P WINIFREE
CASE Category: 21 – MATHEMATICS

NGT 1 02004 NORTH CAROLINA STATE UNIV. - RALEIGH 7411
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP
06/06/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: H T BANKS, N L GIBSON
Tech. Officer: LARC/E R GENERAZIO
CASE Category: 21 – MATHEMATICS

NGT 1 02010 NORTH CAROLINA STATE UNIV. - RALEIGH 7412
GRADUATE STUDENT RESEARCHERS PROGRAM / NEW AWARD
06/06/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: H K KHACHATOORIAN, R N ORNAN
Tech. Officer: LARC/P TROUTMAN
CASE Category: 69 – PSYCHOLOGY, OTHER

NGT 1 02032 NORTH CAROLINA STATE UNIV. - RALEIGH 7413
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
01/08/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: F R DEKARMETTE
Tech. Officer: LARC/R HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52196 NORTH CAROLINA STATE UNIV. - RALEIGH 7414
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/22/1998 - 06/30/2001 FY02: $0 Total: $66,001
Prin. Invest.: M L JOYNER, H T BANKS
Tech. Officer: LARC/W P WINFREE, LARC/R A WINCHESKI
CASE Category: 21 – MATHEMATICS

NGT 1 52242 NORTH CAROLINA STATE UNIV. - RALEIGH 7415
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/22/2000 - 06/30/2001 FY02: $0 Total: $22,001
Prin. Invest.: G P
Tech. Officer: LARC/W P WINFREE
CASE Category: 21 – MATHEMATICS

NGT 5 65 NORTH CAROLINA STATE UNIV. - RALEIGH 7416
GSRP TRAINING GRANT - KRISTY DYER - THERMAL AND NO N-THERMAL PHYSICS OF OUNGSUPERNOVA REMNANTS
05/27/1998 - 08/14/2002 FY02: $0 Total: $66,000
Prin. Invest.: S O REYNOLDS
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 30054 NORTH CAROLINA STATE UNIV. - RALEIGH 7417
CONSTRAINING CARBON MONOXIDE SOURCES BY MODELING I TS STABLE ISOTOPES
10/24/1997 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: D REICHLE
Tech. Officer: GSFC/A GHASSEM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30192 NORTH CAROLINA STATE UNIV. - RALEIGH 7418
WATER, HEAT AND SALT BUDGET IN THE NORTHERN INDIAN OCEAN/STUDENT: WEI SHI
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: J M MORRISON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40011 NORTH CAROLINA STATE UNIV. - RALEIGH 7419
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
01/30/1997 - 02/28/2002 FY02: $0 Total: $928,341
Prin. Invest.: F R DEJARNETTE
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40109 NORTH CAROLINA STATE UNIV. - RALEIGH 7420
NORTH CAROLINA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/02/2001 - 02/28/2005 FY02: $0 Total: $304,959
Prin. Invest.: F R DEJARNETTE
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01126 SHAW UNIV 7421
SCIENTISTS PLUS ALLIES CONTRIBUTING TO EDUCATION (SPACE)
09/25/2001 - 08/31/2002 FY02: $0 Total: $99,364
Prin. Invest.: P PIERCE RAMSEY
Tech. Officer: LARC/R HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9195 SHAW UNIV 7422
SHAW UNIV MSET PRE-COLL EXPERIENCE
03/10/2000 - 02/28/2003 FY02: $0 Total: $181,917
Prin. Invest.: K SATAGOPAN
Tech. Officer: GSFC/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2301 UNIV OF NORTH CAROLINA - CHAPEL HILL 7423
CHEMICAL MODIFICATION OF NANOTUBES FOR COMPOSITES
06/08/2000 - 05/31/2003 FY02: $0 Total: $152,865
Prin. Invest.: E T SAMULSKI
Tech. Officer: LARC/E J SIOCHI
CASE Category: 12 – CHEMISTRY

NAG 1 01061 UNIV OF NORTH CAROLINA - CHAPEL HILL 7424
SCIENCE AND TECHNOLOGY OF NEW CARBON NANOTUBE- BASED COMPOSITES
04/17/2001 - 01/31/2004 FY02: $0 Total: $382,970
Prin. Invest.: O
Tech. Officer: LARC/J SMITH, JR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1188 UNIV OF NORTH CAROLINA - CHAPEL HILL 7425
BONE MATRIX CHANGES DURING SKELETAL UNLOADING & RE LOADING
08/15/2000 - 10/31/2002 FY02: $0 Total: $509,761
Prin. Invest.: M YAMAUCHI, W J GRZESKI
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 6278 UNIV OF NORTH CAROLINA - CHAPEL HILL 7426
GREENHOUSE GAS (N20, CH4) EXCHANGE AND N CYCLING D FERTILIZED (FACE) TEMPERATE FOREST
09/12/1997 - 08/31/2001 FY02: $0 Total: $254,765
Prin. Invest.: S C WHALEN
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8924 UNIV OF NORTH CAROLINA - CHAPEL HILL 7427
LABORATORY STUDIES OF THE OPTICAL CONSTANTS & MICR OPHYSICAL PROPERTIESOF STRATOSPHERIC & UPPER TR
01/06/2000 - 12/31/2002 FY02: $0 Total: $203,536
Prin. Invest.: R E MILLER
Tech. Officer: GSFC/P DECOLA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11290 UNIV OF NORTH CAROLINA - CHAPEL HILL 7428
SIMULATING OF LAND USE DYNAMICS IN SE ASIA: A CELL ULAR AUTOMATION APPROACH
08/21/2001 - 08/31/2004 FY02: $0 Total: $187,891
Prin. Invest.: R RINDFUSS
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12504 UNIV OF NORTH CAROLINA - CHAPEL HILL 7429
MOREHEAD PLANETARIUM AND SCIENCE CENTER
08/21/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: R R GOLWALS
Tech. Officer: GSFC/L BILBROUGH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1580 UNIV OF NORTH CAROLINA - CHAPEL HILL 7430
QUANTITATIVE, MULVARIATE METHOD/PRE-FLIGHT OPTI- MIATION, & POST-FLIGHTEVAL. MACR CRYSTAL GROWTH.
02/04/1999 - 11/30/2002 FY02: $100,000 Total: $601,677
Prin. Invest.: C W CARTER, JR.
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5372 UNIV OF NORTH CAROLINA - CHAPEL HILL 7431
NOVEL PROPERTIES OF CARBON NANOTUBES AND RELATED NANO-STRUCTURES
03/23/2000 - 09/14/2002 FY02: $0 Total: $170,000
Prin. Invest.: J LU
Tech. Officer: ARC/M MEYYAPPAN
CASE Category: 13 – PHYSICS

NCC 2 5499 UNIV OF NORTH CAROLINA - CHAPEL HILL 7432
LOW DIMENSION NANOSTRUCTURES & SYSTEMS FOR DEVICES AND SENSORS
07/09/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: J LU
Tech. Officer: ARC/H PARTRIDGE, ARC/M MEYYAPPAN
CASE Category: 13 – PHYSICS

NCC 5 295 UNIV OF NORTH CAROLINA - CHAPEL HILL 7433
AGRICULTURAL COLONIZATION ON THE ECUADORIAN AMAZON : POPULATION, BIOPHYSICAL AND GEOGRAPHICAL FACTOR
06/12/1998 - 12/31/2002 FY02: $0 Total: $811,893
Prin. Invest.: R BILSBORROW
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 337 UNIV OF NORTH CAROLINA - CHAPEL HILL 7434
RADON-222 AND STABLE CARBON ISOTOPE TRACING OF CAR BON EXCHANGE AND TRACE GAS FLUXES IN OLD GROWTH A
06/17/1998 - 12/31/2002 FY02: $0 Total: $782,600
Prin. Invest.: C S MARTENS
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30177 UNIV OF NORTH CAROLINA - CHAPEL HILL 7435
THE MIGRATION ORIGINS OF DEFORESTATION IN A PROTEC TED AREA: COLONIZATIONCLEAR-CUTTING, AND CORN IN
08/12/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: T M WHITMORE
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30389 UNIV OF NORTH CAROLINA - CHAPEL HILL 7436
WIND DRIVEN TRANSPORT PROCESSES OFF THE OREGON COA ST: DIRECT AND REMOTESENSING OF COASTAL OCEAN PR
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: J BANE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30390 UNIV OF NORTH CAROLINA - CHAPEL HILL 7437
DISTRIBUTED HYDROLOGICAL MODELING OF URBANIZING EC OSYSTEMS: INVESTIGAT- ING THE IMPACT OF URBANIZAT
08/14/2001 - 08/31/2004 FY02: $0 Total: $20,470
Prin. Invest.: L BAND
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50311 UNIV OF NORTH CAROLINA - CHAPEL HILL 7438
MONOLAYER-PROTECTED CLUSTERS: NEW AND UNUSUAL NANO METER-SCALE ELECTRONICS MATERIALS/STUDENT W. WUEL
07/07/2000 - 09/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: R W MURRAY
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8114 UNIV OF NORTH CAROLINA AT WILMINGTON 7439
HIGH-TROPHIC LEVEL ECOSYSTEM RESPONSE TO CLIMATE C HANGE IN THE ANTARCTIC PENINSULA
01/25/1999 - 12/31/2001 FY02: $0 Total: $165,725
Prin. Invest.: S D EMSLIE
Tech. Officer: GSFC/J W CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1296 UNIV OF NORTH CAROLINA-GREENSBORO 7440
SSELF-REPORTING SPACE CORPS: EDIBLE BIOSENSORS
04/27/2001 - 10/31/2002 FY02: $0 Total: $57,000
Prin. Invest.: C N STEWART
Tech. Officer: JSC/D RUSSO
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 5 12537 UNIV OF NORTH CAROLINA, CHARLOTTE 7441
DEVELOPING MODEL INSTRUCTIONAL LABORATORIES TO DEC REASE THE SHORTAGE ANDINCREASE THE RETENTION OF S
09/11/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: W R VEAL
Tech. Officer: GSFC/L BILLBROUGH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52901 UNIV OF NORTH CAROLINA, CHARLOTTE 7442
CHARACTERIZATION OF X-RAY OPTICS MANUFACTURE AND ITS APPLICA- TION TO WOLTERMICROSCOPE OPTICS.
05/25/2001 - 08/01/2002 FY02: $0 Total: $22,000
Prin. Invest.: S SMITH
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 46 – MECHANICAL ENGR

NAG 2 1203 WAKE FOREST UNIV 7443
FUCUS AS A MODEL SYSTEM TO STUDY THE ROLE OF SUXIN TRANSPORT & THE ACTIN CYTOSKELETON IN GRAVITY...
04/06/1998 - 04/30/2003 FY02: $0 Total: $399,796
Prin. Invest.: G K MUDAAY
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1507 WAKE FOREST UNIV 7444
REGULATION OF AUXIN TRANSPORT BY PHOSPHORYLATION A ND FLA- VONOIDS DURING GRAVITROPISM IN ARABIDOPSIS
07/20/2001 - 07/31/2003 FY02: $0 Total: $67,694
Prin. Invest.: G K MUDAY
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2515 WINSTON-SALEM STATE UNIV 7445
GENERIC DIVIDE AND CONQUER INTERNET-BASED GENERIC DIVIDE AND CONQUER INTERNET-BASED
12/22/2000 - 12/21/2003 FY02: $0 Total: $51,839
Prin. Invest.: D RADENSKI
Tech. Officer: GRC/G J FOLLEN
CASE Category: 22 – COMPUTER SCIENCE

NORTH DAKOTA

NAG13 02007 NORTH DAKOTA STATE UNIV 7446
NASA SPACE GRANT/LAND GRANT EXTENSION GEOSPATIAL E DUCATION PROGRAM
11/29/2001 - 09/15/2004 FY02: $0 Total: $0
Prin. Invest.: J NOWATZKI
Tech. Officer: SSC/A PEEK
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 4 52424 NORTH DAKOTA STATE UNIV 7447
GRAD STU RES PRO (GSRP)-PROP TITLE : ADAPTIVE MUL TISCALE ALGORITHMS FOR NONLINEAR EST OF AEROSP SY
09/26/2000 - 09/25/2001 FY02: $0 Total: $22,000
Prin. Invest.: Y XU
Tech. Officer: DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1413 TURTLE MOUNTAIN COMM COLL 7448
A RESERVATION COLLABORATION INITIATIVE FOR PRE- COLL
09/04/2002 - 09/08/2005 FY02: $0 Total: $0
Prin. Invest.: C DAVIS
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 02035 TURTLE MOUNTAIN COMM COLL 7449
NASA-NORTH DAKOTA CONNECTION - A TRIBAL SCHOOL DIS TANCE LEARNING INITIATIVE TURTLE MOUNTAIN COMMUNI
07/01/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: L J HENRY
Tech. Officer: LARC/R M STARR
CASE Category: 21 – MATHEMATICS

NAG 5 3616 UNIV OF NORTH DAKOTA 7450
A PUBLIC ACCESS RESOURCE CENTER (PARC) EMPOWERING TO USE EOSDI -IMPLEMENTATION PHASE
11/22/1996 - 06/30/2003 FY02: $0 Total: $4,816,924
Prin. Invest.: G A SEIELSTAD
Tech. Officer: GSFC/J J COLLIER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 5340 UNIV OF NORTH DAKOTA 7451
EVALUATION OF NASA POLARIMETRIC (NPOL) RADAR OBSERVATIONS COLLECTED DURING THE KEYS AREA MICROPHYSIC
07/16/2001 - 12/31/2002 FY02: $0 Total: $74,217
Prin. Invest.: P KUCERA
Tech. Officer: WFF/J GERLACH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7950 UNIV OF NORTH DAKOTA 7452
CO2 BUDGET AND RECTIFICATION AIRBORNE STUDY--NORTH AMERICA (COBRA--NA)
12/21/1998 - 12/14/2002 FY02: -$79 Total: $180,171
Prin. Invest.: C A GRAINGER
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9656 UNIV OF NORTH DAKOTA 7453
MICROPHYSICAL CHARACTERISTICS OF CLOUDS DURING THE TRMM FIELD CAMPAIGNS
06/05/2000 - 05/31/2003 FY02: $0 Total: $101,655
Prin. Invest.: C A GRAINGER
Tech. Officer: HQ/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11509 UNIV OF NORTH DAKOTA 7454
AIRBORNE MEASUREMENTS IN SUPPORT OF CRYSTAL-FACE
01/02/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: M POELLOT
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12054 UNIV OF NORTH DAKOTA 7455
A PUBLIC ACCESS RESOURCE CENTER (PARC) EMPOWERING THE GENERAL PUBLIC TO USE EOSDIS - IMPLEMENTATION
04/22/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: G SEIELSTAD
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 283 UNIV OF NORTH DAKOTA 7456
CLOUD ELECTRIC FIELDS AND MICROPHYSICS STUDIES CLOUD ELECTRIC FIELDS AND MICROPHYSICS STUDIES
05/23/2000 - 06/03/2003 FY02: $0 Total: $821,054
Prin. Invest.: D GRAINGER
Tech. Officer: KSC/F J MERCERET
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG13 01006 UNIV OF NORTH DAKOTA 7457
NORTHERN GREAT PLAINS CEMTER OF PEOPLE AND THE ENVIRONMENT
07/30/2001 - 04/30/2003 FY02: $0 Total: $1,496,700
Prin. Invest.: G A SEIESTAD
Tech. Officer: SSC/B A SPIERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 02047 UNIV OF NORTH DAKOTA 7458
NORTHERN GREAT PLAINS CENTER FOR PEOPLE AND THE ENVIRONMENT
07/11/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: G SEIELSTAD
Tech. Officer: SSC/J ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99006 UNIV OF NORTH DAKOTA 7459
NORTHERN GREAT PLAINS REGIONAL EARTH SCIENCE APPLICATIONS CENTER
03/01/1999 - 02/28/2003 FY02: $0 Total: $1,720,000
Prin. Invest.: P R ZIMMERMAN
Tech. Officer: SSC/C HILL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 310 UNIV OF NORTH DAKOTA 7460
A PUBLIC ACCESS RESOURCE CTR(PARC)EMPOWERING THE GENERAL PUBLIC TO USE EOSDIS(PHASE III-OPERATIONS)
04/11/1998 - 02/28/2003 FY02: $0 Total: $2,202,300
Prin. Invest.: G SEIELSTAD
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NCC 5 399 UNIV OF NORTH DAKOTA 7461
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/14/1999 - 04/30/2002 FY02: $0 Total: $450,000
Prin. Invest.: C WOOD
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 503 UNIV OF NORTH DAKOTA 7462
A MULTI-USE AIRBORNE RESEARCH FACILITY
06/20/2000 - 06/30/2003 FY02: $0 Total: $143,257
Prin. Invest.: M POELLET
Tech. Officer: GSFC/C YUHAS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 582 UNIV OF NORTH DAKOTA 7463
NORTH DAKOTA NASA EPSCOR PROGRAM
08/16/2001 - 08/14/2004 FY02: $0 Total: $125,000
Prin. Invest.: S L DE SILVA
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40117 UNIV OF NORTH DAKOTA 7464
NORTH DAKOTA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/08/2001 - 02/28/2005 FY02: $0 Total: $248,562
Prin. Invest.: R ANDRES
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

OHIO

NAG 3 2443 BOWLING GREEN STATE UNIV 7465
PROPOSED TRIAL OF FRESHLY COLLECTED LANDSAT 7 TM D ATA FOR REMOTE SENSING APPLICATIONS IN NORTHWEST
05/31/2000 - 09/30/2001 FY02: $0 Total: $105,000
Prin. Invest.: D K VINCENT
Tech. Officer: GRC/T M SCOTT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2790 BOWLING GREEN STATE UNIV 7466
HYBRID DIESEL VEHICLE PROJECT HYBRID DIESEL VEHICLE PROJECT
07/01/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: B D PIERSOL
Tech. Officer: GRC/S RIDDLEBAUGH
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1186 BOWLING GREEN STATE UNIV 7467
PATHOGEN REDUCTION ON LETTTUCE AND RADISHES USING HYDROGEN PEROXIDE
01/10/2000 - 11/30/2001 FY02: $0 Total: $18,412
Prin. Invest.: D L HENTGES
Tech. Officer: JSC/V L KLOERIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 3 99202 BOWLING GREEN STATE UNIV 7468
PURCHASE OF DYNAMIC ELECTRIC MOTOR LOAD SIMULATOR
09/24/1999 - 12/31/2000 FY02: $0 Total: $359,986
Prin. Invest.: S BALLARD
Tech. Officer: GRC/J L DOLCE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1333 CASE WESTERN RESERVE UNIV 7469
DISCRETE FILEDS FOR AIR TRAFFIC MANAGEMENT
07/01/1999 - 03/31/2003 FY02: $0 Total: $86,610
Prin. Invest.: M S BRANICKY
Tech. Officer: ARC/G MEYER
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1356 CASE WESTERN RESERVE UNIV 7470
EFFECTS OF MICROGRAVITY ON ZEBRAFISH VESTIBULAR DE VELOPMENT
07/23/1999 - 04/30/2002 FY02: $0 Total: $305,164
Prin. Invest.: S J MOORMAN
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2160 CASE WESTERN RESERVE UNIV 7471
STABILITY LIMITS AND DYNAMICS OF NONAXISYMMETRIC L IQUID BRIDGES
04/24/1998 - 05/31/2001 FY02: $0 Total: $335,877
Prin. Invest.: I D ALEXANDER
Tech. Officer: GRC/J C DUH, GRC/B S SINGH
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2204 CASE WESTERN RESERVE UNIV 7472
ESTABLISH THE GLENNAN MICROSYSTEM INITIATIVE ESTABLISH THE GLENNAN MICROSYSTEM INITIATIVE
09/25/1998 - 01/01/2001 FY02: $0 Total: $2,258,000
Prin. Invest.: M MEHREGANY
Tech. Officer: GRC/L G MATUS
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2210 CASE WESTERN RESERVE UNIV 7473
THE FEASIBILITY OF APPLYING TOMOGRAPHIC TECHNIQUES IN THE ICING RESEARCH WIND TUNNEL
11/19/1998 - 10/18/2003 FY02: $0 Total: $144,967
Prin. Invest.: S H IZEN
Tech. Officer: GRC/C R MERCER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2243 CASE WESTERN RESERVE UNIV 7474
ADVANCEMENT OR TRANSDUCER SENSOR SYSTEM FOR CRACK CONTAMINATION DETECTION
03/12/1999 - 07/30/2002 FY02: $0 Total: $100,000
Prin. Invest.: D HAZONY
Tech. Officer: GRC/D NG
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2315 CASE WESTERN RESERVE UNIV 7475
MODELING OF BALLISTIC IMPACT BEHAVIOR OF INCONEL 7 18 ALLOYS WITH APPLICATIONS TO ENGINE BLADE CONTA
12/30/1999 - 07/01/2002 FY02: $0 Total: $161,932
Prin. Invest.: V PRAKASH
Tech. Officer: GRC/J PEREIRA
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2331 CASE WESTERN RESERVE UNIV 7476
CANDLE FLAMES IN MICROGRAVITY CANDLE FLAMES IN MICROGRAVITY
02/10/2000 - 04/30/2003 FY02: $0 Total: $56,323
Prin. Invest.: J S T'IEN
Tech. Officer: GRC/D L KIETRICH
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2391 CASE WESTERN RESERVE UNIV 7477
SATELLITE AND TERRESTRIAL NETWORK ANALYSIS SATELLITE AND TERRESTRIAL NETWORK ANALYSIS
04/13/2000 - 05/31/2001 FY02: $0 Total: $27,646
Prin. Invest.: J ISHAC
Tech. Officer: GRC/W HVANCIC
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2504 CASE WESTERN RESERVE UNIV 7478
INSITU MONITORING OF BIOLOGICAL MATERIAL USING LOW -COHERENCE INTERFEROMETRIC SENSORS
11/13/2000 - 09/30/2002 FY02: $0 Total: $253,000
Prin. Invest.: B OVRYN
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2541 CASE WESTERN RESERVE UNIV 7479
TIME DEPENDENT NUMBERICAL SIMULATIONS OF SOLIDIFIC ATION PROCESSES
02/09/2001 - 02/05/2003 FY02: $0 Total: $0
Prin. Invest.: P L TAYLOR
Tech. Officer: GRC/A CHAIT
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2578 CASE WESTERN RESERVE UNIV 7480
RESEARCH INIATIVE IN SPACE COMMUNICATIONS AND NETW ORKS
03/30/2001 - 09/30/2002 FY02: $0 Total: $390,000
Prin. Invest.: F L MERAT
Tech. Officer: GRC/K BHASIN
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2581 CASE WESTERN RESERVE UNIV 7481
ANALYSIS OF DROPLET SPLASHING IN AIRCRAFT ICING CO NDITIONS
04/02/2001 - 08/31/2002 FY02: $0 Total: $47,774
Prin. Invest.: J D ALEXANDER
Tech. Officer: GRC/M G POTAPCZUK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2620 CASE WESTERN RESERVE UNIV 7482
INVESTIGATION OF ROTARY BLOOD PUMP FLOW USING PIV INVESTIGATION OF ROTARY BLOOD PUMP FLOW USING PIV
06/29/2001 - 10/31/2003 FY02: $0 Total: $125,406
Prin. Invest.: J R KADAMBI
Tech. Officer: GRC/J M SANKOVIC
CASE Category: 56 – MEDICL

NAG 3 2644 CASE WESTERN RESERVE UNIV 7483
INKJET METHODOLOGIES FOR THE FABRICATION OF SECOND ARY LITHIUM-ION MICROBATTERIES INCORPORATING NANO
08/17/2001 - 11/30/2002 FY02: $0 Total: $41,700
Prin. Invest.: D A SCHERSON
Tech. Officer: GRC/D L BRITTON
CASE Category: 12 – CHEMISTRY

NAG 3 2677 CASE WESTERN RESERVE UNIV 7484
ULTRA-SAFE PROPULSION: MODELING HIGH STRAIN RATE D EFORMATION, FRACTURE, AND IMPACT BEHAVIOR OF ADVA
01/22/2002 - 12/14/2004 FY02: $0 Total: $0
Prin. Invest.: V PRAKASH
Tech. Officer: GRC/J M PEREIRA
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2742 CASE WESTERN RESERVE UNIV 7485
FLOW AND DISTRIBUTION OF FLUID PHASES THROUGH PORO US PLANT GROWTH MEDIA IN MICROGRAVITY
03/19/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: J ALEXANDER
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2794 CASE WESTERN RESERVE UNIV 7486
MODELING OF BALLISTIC IMPACT BEHAVIOR OF INCONEL 7 18 ALLOYS WITH APPLICATIONS TO ENGINE BLADE CONTA
07/30/2002 - 07/09/2003 FY02: $0 Total: $0
Prin. Invest.: V PRAKASH
Tech. Officer: GRC/J PEREIRA
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2799 CASE WESTERN RESERVE UNIV 7487
WIRELESS PROXIMITY NETWORKS FOR NASA APPLICATIONS WIRELESS PROXIMITY NETWORKS FOR NASA APPLICATIONS
08/13/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: F L MERAT
Tech. Officer: GRC/K BHASIN
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2807 CASE WESTERN RESERVE UNIV 7488
MICROMINIATURE MONITOR FOR VITAL ELECTROLYTE AND M ETABOLITE LEVELS OF ASTRONAUTS
09/12/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: D GRATZI
Tech. Officer: GRC/M NALL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2808 CASE WESTERN RESERVE UNIV 7489
IN VIVO BIOLUMINESCENT MOLECULAR IMAGING WITH APPL ICATION TO THE STUDY OF SECRETORY CLUSTERIN, A PO
09/19/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: D L WILSON
Tech. Officer: GRC/M NALL
CASE Category: 49 – ENGINEERING, OTHER

NAG 4 222 CASE WESTERN RESERVE UNIV 7490
STABILITY AND PERFORMANCE EVALUATION OF LEARNING I N ARTIFICIAL NEURAL NETWORKS
03/27/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: K LOPARO
Tech. Officer: DFRC/D MACKALL
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 6715 CASE WESTERN RESERVE UNIV 7491
AN ELECTRON MICROSCOPY SURVEY OF CARBONATE-BEARING REGIONS OF ALH84001
12/10/1997 - 11/30/2000 FY02: $0 Total: $120,000
Prin. Invest.: R HARVEY
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7019 CASE WESTERN RESERVE UNIV 7492
THE EVOLUTION OF GALAXIES HARBORING CENTRAL MASSIV E BLACK HOLES - ATP
02/19/1998 - 02/14/2003 FY02: $0 Total: $260,505
Prin. Invest.: C MIHOS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 11059 CASE WESTERN RESERVE UNIV 7493
FEASIBILITY STUDY OF PLANS TO USE THE SUN AS A GRAVITATIONAL LENS FOR ASTRONOMY
06/27/2001 - 06/30/2003 FY02: $0 Total: $99,995
Prin. Invest.: G STARKMAN
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11122 CASE WESTERN RESERVE UNIV 7494
RECOVERY AND STUDY OF ANTARCTIC MARTIAN METEORITES
07/18/2001 - 07/14/2004 FY02: $0 Total: $186,415
Prin. Invest.: R HARVEY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 8 1270 CASE WESTERN RESERVE UNIV 7495
DETERMINATION OF THE SURFACE ENERGY OF LIQUID CRYSTALS
05/03/1996 - 05/31/2001 FY02: -$74 Total: $279,926
Prin. Invest.: C ROSENBLATT, P L TAYLOR
Tech. Officer: MSFC/C R TALLEY
CASE Category: 13 – PHYSICS

NAG 8 1727 CASE WESTERN RESERVE UNIV 7496
PROPOSAL "VIBRATION AND G-JITTER: TRANSPORT DISTIR BANCES DUE TO RESIDUAL ACCELERATION/LOW GRAVITY."
06/19/2000 - 11/30/2003 FY02: $0 Total: $139,837
Prin. Invest.: J I ALEXANDER
Tech. Officer: MSFC/P DOTY
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 8 1779 CASE WESTERN RESERVE UNIV 7497
SIMULATED MICROGRAVITY MEASUREMENT TECHNIQUIES FOR THE STUDY OF DYNAMIC EFFECTS IN PHOSPHOLIPID SUR
04/24/2001 - 04/30/2005 FY02: $0 Total: $80,000
Prin. Invest.: C ROSENBLATT, P L TAYLOR
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICALSCIENCE, OTHER

NCA 3 201 CASE WESTERN RESERVE UNIV 7498
GLENNAN MICROSYSTEMS INITIATIVE FY00 PROJECTS GLENNAN MICRO-SYSTEMS INITIATIVE FY00PROJECTS
05/12/2000 - 12/31/2002 FY02: $0 Total: $2,352,471
Prin. Invest.: M MEHREGANY, C LIU
Tech. Officer: GRC/L G MATUS
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 587 CASE WESTERN RESERVE UNIV 7499
TIME DEPENDENT NUMERICAL SIMULATIONS OF SOLIDIFICA TION PROCESSES
01/01/1998 - 12/31/2002 FY02: $0 Total: $362,842
Prin. Invest.: P L TAYLOR
Tech. Officer: GRC/A CHIT
CASE Category: 13 – PHYSICS

NCC 3 633 CASE WESTERN RESERVE UNIV 7500
COMBUSTION OF SOLID FUEL IN VERY LOW SPEED OXYGEN STREAMS
06/30/1998 - 09/02/2003 FY02: $0 Total: $516,012
Prin. Invest.: J S T'IEN
Tech. Officer: GRC/K SACKSTEDER
CASE Category: 46 – MECHANICAL ENGR

NCC 3 653 CASE WESTERN RESERVE UNIV 7501
A STUDY OF THE TIME-DEPENDENT RESPONSE OF CERAMIC MATERIALS
11/23/1998 - 11/01/2002 FY02: $0 Total: $305,664
Prin. Invest.: D A GASPARINI
Tech. Officer: GRC/N N NEMETH
CASE Category: 46 – MECHANICAL ENGR

NCC 3 658 CASE WESTERN RESERVE UNIV 7502
LOW STRETCH DIFFUSION FLAMES LOW STRETCH DIFFUSION FLAMES
01/12/1999 - 12/08/2002 FY02: $0 Total: $185,659
Prin. Invest.: J S TIEN
Tech. Officer: GRC/S L OLSON
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 669 CASE WESTERN RESERVE UNIV 7503
FLAME SPREADING IN PARTIAL GRAVITY FLAME SPREADING IN PARTIAL GRAVITY
02/03/1999 - 01/03/2003 FY02: $0 Total: $128,756
Prin. Invest.: J S TIEN
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 679 CASE WESTERN RESERVE UNIV 7504
DEVELOPMENT OF ADVANCED SENSORS FOR BANTAM VEHICLE APPLICATIONS
02/24/1999 - 01/31/2002 FY02: $0 Total: $220,000
Prin. Invest.: C LUI
Tech. Officer: GRC/G W HUNTER
CASE Category: 43 – CHEMICAL ENGR

NCC 3 681 CASE WESTERN RESERVE UNIV 7505
THERMO-PHYSICAL PROPERTIES OF MOLTEN SEMICONDUCTOR S
02/24/1999 - 02/17/2002 FY02: $0 Total: $5,000
Prin. Invest.: D H MATTHIESEN
Tech. Officer: GRC/A CHAIT
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 701 CASE WESTERN RESERVE UNIV 7506
DENTRITIC GROWTH AND COARSENING PHENOMENA IN SOLID IFICATION
04/20/1999 - 05/31/2003 FY02: $0 Total: $309,692
Prin. Invest.: P L TAYLOR
Tech. Officer: GRC/A CHAIT
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 714 CASE WESTERN RESERVE UNIV 7507
RAPID MANUFACTURING MONOLITHIC SILICON NITRIDE THR UST CELLS
07/12/1999 - 12/31/2001 FY02: $0 Total: $486,052
Prin. Invest.: J D CRAWLEY
Tech. Officer: GRC/J LANG
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 766 CASE WESTERN RESERVE UNIV 7508
LONG TERM DURABILITY OF MATERIALS FOR AEROSPACE AP PLICATIONS
01/24/2000 - 12/11/2002 FY02: $0 Total: $259,332
Prin. Invest.: I E LOCCI
Tech. Officer: GRC/M V NATHAL
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 772 CASE WESTERN RESERVE UNIV 7509
THE DEVELOPMENT OF SOLID STATE CO AND CO2 SENSOR F OR FIRE PROTECTION APPLICATIONS
02/11/2000 - 01/23/2002 FY02: $0 Total: $220,000
Prin. Invest.: C C LIU
Tech. Officer: GRC/G W HUNTER
CASE Category: 43 – CHEMICAL ENGR

NCC 3 823 CASE WESTERN RESERVE UNIV 7510
GAS EVOLUTION EFFECT ON MASS TRANSFER IN ROTATING ELECTROCHEMICAL CELLS UNDER MICROGRAVITY CONDITION
08/17/2000 - 11/30/2003 FY02: $0 Total: $98,155
Prin. Invest.: Y KAMOTANI
Tech. Officer: GRC/D GREEN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 830 CASE WESTERN RESERVE UNIV 7511
ADVANCED COPPER ALLOYS FOR REGENERATIVELY COOLED R OCKET ENGINE COMBUSTION CHAMBERLINERS
12/08/2000 - 12/13/2002 FY02: $0 Total: $202,512
Prin. Invest.: D L ELLIS
Tech. Officer: GRC/M NATHAL
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 838 CASE WESTERN RESERVE UNIV 7512
SOOT FORMATION IN PURELY CURVED PREMIXED FLAMES & LAMINAR FLAME SPEEDS OF SOOT FORMING FLAMES
01/16/2001 - 11/30/2004 FY02: $0 Total: $56,500
Prin. Invest.: C SUNG
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 850 CASE WESTERN RESERVE UNIV 7513
NOVEL STRUCTRUAL AND FUNCTONAL CERAMICS
01/17/2001 - 01/21/2003 FY02: $0 Total: $389,905
Prin. Invest.: S SAYIR
Tech. Officer: GRC/S C FARMER
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 892 CASE WESTERN RESERVE UNIV 7514
TECHNOLOGIES FOR ACTIVE CLEARANCE CONTROL
05/22/2001 - 11/30/2001 FY02: $0 Total: $44,995
Prin. Invest.: S M PHILLIPS
Tech. Officer: GRC/B STEINETZ
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 893 CASE WESTERN RESERVE UNIV 7515
THE PACKAGING OF HIGH TEMPERATURE SIC BASED ELECTR ONICS
05/22/2001 - 12/31/2001 FY02: $0 Total: $0
Prin. Invest.: C C LIU
Tech. Officer: GRC/H HUNTER
CASE Category: 43 – CHEMICAL ENGR

NCC 3 895 CASE WESTERN RESERVE UNIV 7516
THERMALLY STABLE OHMIC CONTACTS ON 6H-SIC THERMALLY STABLE OHMIC CONTACTS ON 6H-SIC
06/01/2001 - 04/30/2003 FY02: $0 Total: $59,400
Prin. Invest.: P PIROUZ
Tech. Officer: GRC/R OKOJIE
CASE Category: 13 – PHYSICS

NCC 3 898 CASE WESTERN RESERVE UNIV 7517
CERAMIC CANTED COIL SPRINGS FOR AEROSPACE SEALING APPLICATIONS
07/31/2001 - 10/02/2002 FY02: $0 Total: $83,111
Prin. Invest.: J D CAWLEY
Tech. Officer: GRC/P DUNLAP
CASE Category: 46 – MECHANICAL ENGR

NCC 3 915 CASE WESTERN RESERVE UNIV 7518
FABRICATION OF SILICON CARBIDE-BASED MICROMIRROR D EVICES FOR OPTICAL APPLICATIONS
09/18/2001 - 07/31/2003 FY02: $30,000 Total: $30,000
Prin. Invest.: C A ZORMAN
Tech. Officer: GRC/K MIYOSHI
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 927 CASE WESTERN RESERVE UNIV 7519
MICROCHEMICAL AND GASEOUS SENSORS USING CARBON NAN OTUBES AND MEMS FABRICATION TECHNOLOGY
01/03/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: C LIU
Tech. Officer: GRC/J D WRBANEK
CASE Category: 43 – CHEMICAL ENGR

NCC 3 941 CASE WESTERN RESERVE UNIV 7520
THE DEVELOPMENT OF SOLID STATE CO AND CO2 SENSOR F OR FIRE PROTECTION APPLICATIONS
02/20/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: C LIU
Tech. Officer: GRC/G W HUNTER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 944 CASE WESTERN RESERVE UNIV 7521
DEVELOPMENT OF ADVANCED SENSORS FOR SECOND GENERAT ION VEHICLE APPLICATIONS
03/11/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: C LIU
Tech. Officer: GRC/G W HUNTER
CASE Category: 43 – CHEMICAL ENGR

NCC 3 955 CASE WESTERN RESERVE UNIV 7522
RAPID MANUFACTURING MONOLITHIC SILICON NITRIDE THR USE CELLS
05/09/2002 - 01/15/2003 FY02: $0 Total: $0
Prin. Invest.: J D CAWLEY
Tech. Officer: GRC/J LANG
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 969 CASE WESTERN RESERVE UNIV 7523
DENDRITIC FORMATION AND CLOUD MICROPHYSICS PHENOME NA
06/03/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: P L TAYLOR
Tech. Officer: GRC/A CHAIT
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 976 CASE WESTERN RESERVE UNIV 7524
REGENERATIVE ADAPTIVE SEAL TECHNOLOGY REGENERATIVE ADAPTIVE SEAL TECHNOLOGY
06/28/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: J CRAWLEY
Tech. Officer: GRC/B M STEINETZ
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 983 CASE WESTERN RESERVE UNIV 7525
THE DEVELOPMENT OF CHEMICAL SENSORS FOR BIOMEDICAL AND ENVIRONMENTAL APPLICATIONS
07/25/2002 - 01/09/2003 FY02: $0 Total: $0
Prin. Invest.: C LIU
Tech. Officer: GRC/G W HUNTER
CASE Category: 43 – CHEMICAL ENGR

NCC 3 984 CASE WESTERN RESERVE UNIV 7526
CONTROLLED-RELEASE MICROSYSTEMS FOR PHARMACOLOGICA L AGENT DELIVERY
09/12/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: C ZORMAN
Tech. Officer: GRC/M M NALL
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 985 CASE WESTERN RESERVE UNIV 7527
ACOUSTICALLY INDUCED MICRODAMAGE TO PREVENT BONE L OSS
09/12/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: D DAVY
Tech. Officer: GRC/J MYERS
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 999 CASE WESTERN RESERVE UNIV 7528
DEVELOPMENT OF ADVANCED OIL-FREE TURBOMACHINERY, P ERFORMANCE CHARACTERISTICS OF AIR-LUBRICATED COMP
09/13/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: J M PRAHL
Tech. Officer: GRC/J M LUCERO
CASE Category: 46 – MECHANICAL ENGR

NCC 3 1001 CASE WESTERN RESERVE UNIV 7529
REMOTE AND ON-BOARD DETECTION, DIAGNOSES AND TREAT MENT OF SERIOUS CARDIAC DYSRHYTHMIAS
09/23/2002 - 02/22/2006 FY02: $0 Total: $0
Prin. Invest.: D S ROSENBAUM
Tech. Officer: GRC/D W YORK
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 1004 CASE WESTERN RESERVE UNIV 7530
THE PACKAGING OF HIGH TEMPERATURE SILICON CARBIDE (SIC) BASED ELECTRONICS
09/16/2002 - 12/15/2002 FY02: $0 Total: $0
Prin. Invest.: C LIU
Tech. Officer: GRC/G W HUNTER
CASE Category: 46 – MECHANICAL ENGR

NCC 3 1005 CASE WESTERN RESERVE UNIV 7531
SLURRY INFILTRATION DURING THE PROCESSING OF FIBER -WOVEN CERAMIC MATRIX COMPOSITES: EXPERIMENTAL AN
09/18/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: J D ALEXANDER
Tech. Officer: GRC/F HURWITZ
CASE Category: 46 – MECHANICAL ENGR

NCC 8 152 CASE WESTERN RESERVE UNIV 7532
DIFFUSION PROCESSES IN MOLTEN SEMICONDUCTORS
06/12/1998 - 03/31/2003 FY02: $0 Total: $1,769,997
Prin. Invest.: D H MATTHIESEN
Tech. Officer: MSFC/J BRUNSON
CASE Category: 13 – PHYSICS

NGT 3 52350 CASE WESTERN RESERVE UNIV 7533
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RESEARCH PROGRAM
06/23/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: J S TIEN
Tech. Officer: GRC/J J MONTEGANI
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 3 52352 CASE WESTERN RESERVE UNIV 7534
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RESEARCH PROGRAM
06/24/1999 - 08/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: J R KADAMBI
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 3 52374 CASE WESTERN RESERVE UNIV 7535
GRADUATE STUDENT RESEARCH
06/07/2001 - 06/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: J R KADAMBI
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 46 – MECHANICAL ENGR

NGT 5 50274 CASE WESTERN RESERVE UNIV 7536
A MANTIS-LIKE ROBOT FOR AGILE OPERATION IN EXTREME ENVIRONMENTS/STUDENT: DANIEL KINGSLEY
06/15/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: R QUINN
Tech. Officer: GSFC/K BLANDING
CASE Category: 46 – MECHANICAL ENGR

NGT 5 50369 CASE WESTERN RESERVE UNIV 7537
COMBUSTION OF BLACK LIQUOR DEPOSITS
06/13/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: J T'IEN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50413 CASE WESTERN RESERVE UNIV 7538
TRI MODAL LOCOMOTION FOR A HEXAPOD LEGGED ROBOT STUDENT: THOMAS ALLEN
08/06/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: R QUINN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 996 CENTRAL STATE UNIV - OHIO 7539
ANALYSIS AND DEVELOPMENT OF A SIC PIEZORESISTIVE P ROBE FOR MEASURING TURBULENT INTENSITY IN A HIGH
09/10/2002 - 08/05/2004 FY02: $0 Total: $0
Prin. Invest.: T V REID
Tech. Officer: GRC/G FRALICK
CASE Category: 46 – MECHANICAL ENGR

NAG 3 1828 CLEVELAND STATE UNIV 7540
ULTRA-LOW-COST ROOM TEMPERATURE SIC THIN FILM
04/08/1996 - 05/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: C GORADIA, M FAUR
Tech. Officer: GRC/S G BAILEY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2040 CLEVELAND STATE UNIV 7541
FPGA BASED RECONFIGURABLE PACKET SWITCH TEST BED
04/29/1997 - 07/31/2001 FY02: $0 Total: $129,907
Prin. Invest.: P P CHU
Tech. Officer: GRC/R E JONES
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2075 CLEVELAND STATE UNIV 7542
MINORITY ENGINEERING PROGRAM PIPELINE
09/17/1997 - 09/30/2002 FY02: $0 Total: $86,046
Prin. Invest.: P CHARITY
Tech. Officer: GRC/M L BOROWSKI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2232 CLEVELAND STATE UNIV 7543
MAPPING THE POSITION DEPENDENCE OF THE LIQUID WATE R CONTENT
02/18/1999 - 12/31/2001 FY02: $0 Total: $14,000
Prin. Invest.: J LOCK
Tech. Officer: GRC/C R MERCER
CASE Category: 13 – PHYSICS

NAG 3 2296 CLEVELAND STATE UNIV 7544
REAL TIME MONITORING SYSTEM
09/30/1999 - 05/12/2002 FY02: $0 Total: $59,450
Prin. Invest.: D M KOCHER
Tech. Officer: GRC/D WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2326 CLEVELAND STATE UNIV 7545
DEVELOPMENT OF A FAST ANALYSIS TOOL FOR THE INTERN ATIONAL SPACE STATION (ISS) USING SOFT COMPUTING
02/04/2000 - 02/20/2003 FY02: $0 Total: $113,500
Prin. Invest.: P P LIN
Tech. Officer: GRC/K JULES
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2423 CLEVELAND STATE UNIV 7546
OPTICAL SCATTERING CHARACTERIZATION FOR THE GLENNA N MICRO-SYSTEMS MICROSCALE PARTICULATE CLASSIFIER
05/12/2000 - 04/15/2002 FY02: $0 Total: $10,000
Prin. Invest.: J A LOCK
Tech. Officer: GRC/P S GREENSBERG
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2482 CLEVELAND STATE UNIV 7547
DEVELOPMENT OF A MULTI-DIMENSIONAL STIRLING ENGINE CODE FOR THERMODYNAMICS PERFORMANCE
08/02/2000 - 07/31/2004 FY02: $0 Total: $262,453
Prin. Invest.: D IBRAHIM
Tech. Officer: GRC/L THIEMENE
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2509 CLEVELAND STATE UNIV 7548
THE INTEGRATION OF LEGACY APPLICATIONS WITH CORBA THE INTEGRATION OF LEGACY APPLICATIONS WITH CORBA
11/30/2000 - 11/16/2001 FY02: $0 Total: $52,997
Prin. Invest.: J SANG
Tech. Officer: GRC/C KIM
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2514 CLEVELAND STATE UNIV 7549
STRUCTURAL MODELING OF ENGINE COMPONENTS AND MATER IAL PROCESSES
12/18/2000 - 12/31/2002 FY02: $0 Total: $153,697
Prin. Invest.: J HEMANN
Tech. Officer: GRC/H E KAUTZ
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2531 CLEVELAND STATE UNIV 7550
POWER EFFICIENT REFLECTARRAY COMMUBICATIONS SYSTEM MODULATIOBN
01/23/2001 - 12/31/2002 FY02: $0 Total: $33,832
Prin. Invest.: F XIONG
Tech. Officer: GRC/R R ROMANOFSKY
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2573 CLEVELAND STATE UNIV 7551
ROTODYNAMIC ANALYSIS AND FEASIBILITY STUDY OF A DI SK SPIN FACILITY
03/22/2001 - 02/28/2003 FY02: $0 Total: $28,000
Prin. Invest.: J T SAWICKI
Tech. Officer: GRC/H KAUTZ
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2607 CLEVELAND STATE UNIV 7552
HIGH-LEVEL QUANTUM CHEMICAL CALCULATIONS ON PONTEN TIAL JET FUELS
06/12/2001 - 03/14/2002 FY02: $0 Total: $30,000
Prin. Invest.: D W BALL
Tech. Officer: GRC/M J ZEHE
CASE Category: 12 – CHEMISTRY

NAG 3 2619 CLEVELAND STATE UNIV 7553
ROBUST TIMING SYNCHRONIZATION IN AERONAUTICAL MOBI LE COMMUNICATIONS SYSTEMS
05/23/2001 - 08/31/2002 FY02: $0 Total: $14,000
Prin. Invest.: F XIONG
Tech. Officer: GSFC/K CHUN
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2631 CLEVELAND STATE UNIV 7554
INERTING AIRCRAFT FUEL SYSTEMS USING EXHAUST GASSE S
06/13/2001 - 05/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: D G NEHEMANN
Tech. Officer: GRC/K KUNDU
CASE Category: 12 – CHEMISTRY

NAG 3 2664 CLEVELAND STATE UNIV 7555
TIME-SERIES THEMATIC MAPPER DATA AS A TOOL TO MODE L URBAN SPRAWL IN NORTHEAST OHIO
11/08/2001 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: D CLAPHAM
Tech. Officer: GRC/T M SCOTT
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 3 2672 CLEVELAND STATE UNIV 7556
TRANSITIONING ACOUSTO-ULTRASONICS TO NEW PRACTITIO NERS
12/11/2001 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: J HEMANN
Tech. Officer: GRC/G Y BAAKLINI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2683 CLEVELAND STATE UNIV 7557
X-RAY TOMOGRAPHY AND ULTRASONIC SPECTROSCOPY BASED RESEARCH FOR AEROSPACE MATERIALS
01/04/2002 - 01/02/2003 FY02: $0 Total: $0
Prin. Invest.: J HEMANN
Tech. Officer: GRC/G Y BAAKLINI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2684 CLEVELAND STATE UNIV 7558
THERMOGRAPHIC AND ULTRASONIC RESEARCH ON AEROSPACE MATERIALS
01/04/2002 - 01/02/2003 FY02: $0 Total: $0
Prin. Invest.: J HEMANN
Tech. Officer: GRC/G Y BAAKLINI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2699 CLEVELAND STATE UNIV 7559
OPTIMAL FILTERING FOR TURBOFAN HEALTH ESTIMATION OPTIMAL FILTERING FOR TURBOFAN HEALTH ESTIMATION
01/29/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: D SIMON
Tech. Officer: GRC/N
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2745 CLEVELAND STATE UNIV 7560
UNSTEADY PROBABILISTIC ANALYSIS OF TURBOMACHINERY UNSTEADY PROBABILISTIC ANALYSIS OF TURBOMACHINERY
04/17/2002 - 03/11/2003 FY02: $0 Total: $0
Prin. Invest.: R GORLA
Tech. Officer: GRC/J J RUSICK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2774 CLEVELAND STATE UNIV 7561
A THEORETICAL LIGHT SCATTERING MODEL OF NANOPARTIC LE LASER TWEEZERS
05/01/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: J LOCK
Tech. Officer: GRC/A DECKER
CASE Category: 13 – PHYSICS

NAG 3 2802 CLEVELAND STATE UNIV 7562
MATERIALS ENABLED TECHNOLOGIES FOR USE IN POWER DE VICES FOR AEROSPACE APPLICATIONS
09/16/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: D HEHEMANN
Tech. Officer: GRC/S G BAILEY
CASE Category: 12 – CHEMISTRY

NAG 8 1584 CLEVELAND STATE UNIV 7563
R/S ACOUSTICALLY ASSISTED BIOREACTOR FOR TERRESTRIAL AND MICROGRAVITY APPLICATIONS.
01/14/1999 - 11/30/2003 FY02: $30,000 Total: $421,850
Prin. Invest.: J M BELOVICH
Tech. Officer: MSFC/B GUYNES
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NASW 02023 CLEVELAND STATE UNIV 7564
CONTRACTOR WILL PROVIDE SERVICES FOR THE NASA ENGINEERING AND TRAINING PROGRAM
06/27/2002 - 06/26/2004 FY02: $0 Total: $0
Prin. Invest.: A LIOU
Tech. Officer: HQ/J MATURO
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 521 CLEVELAND STATE UNIV 7565
THE EFFECTS OF MULTIPLE SCATTERING IN PHOTON CORRE LEATION SPECTROSCOPY
12/26/1996 - 11/30/2001 FY02: $0 Total: $294,000
Prin. Invest.: J A LOCK
Tech. Officer: GRC/A CHAIT
CASE Category: 13 – PHYSICS

NCC 3 581 CLEVELAND STATE UNIV 7566
ULTRASONIC SCANNER CONTROL AND DATA ACQUISITION
12/09/1997 - 12/31/2002 FY02: $0 Total: $537,242
Prin. Invest.: J HEMANN
Tech. Officer: GRC/H KAUTZ
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 582 CLEVELAND STATE UNIV 7567
THE DEVELOPMENT OF ENGINEERING TOMOGRAPHY FOR MONO LITHIC AND COMPOSITE MATERIALS AND COMPONENTS
12/09/1997 - 12/31/2002 FY02: $0 Total: $520,141
Prin. Invest.: J HEMANN
Tech. Officer: GRC/H E KAUTZ
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 595 CLEVELAND STATE UNIV 7568
SIMULATION AND PERFORMANCE ANALYSIS OF HYBRID SATE LLITE-TERRESTRIAL NETWORKS
01/12/1998 - 02/27/2003 FY02: $0 Total: $376,038
Prin. Invest.: V K KONANGI
Tech. Officer: GRC/T M WALLETT, GRC/K B BHASIN
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 647 CLEVELAND STATE UNIV 7569
THE STUDY OF THE APPLICATION OF MODERN METHODS OF CONTROL AND INTERFACE TO SCIENTIFIC EFFORTS
09/04/1998 - 09/30/2001 FY02: $0 Total: $246,970
Prin. Invest.: G L KRAMERICH
Tech. Officer: GRC/J M MULLINS
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 699 CLEVELAND STATE UNIV 7570
DEVELOPMENT OF DIGITAL CONTROL TECHNOLOGY FOR POWE R MANAGEMENT AND DISTRIBUTION SYSTEMS
04/02/1999 - 05/14/2002 FY02: $0 Total: $437,669
Prin. Invest.: Z GAO
Tech. Officer: GRC/J F SOEDER
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 740 CLEVELAND STATE UNIV 7571
PHYSICAL PROPERTIES AND DURABILITY OF NEW MATERIAL S FOR SPACE AND COMMERCIAL APPLICATIONS
10/21/1999 - 01/15/2003 FY02: $0 Total: $179,561
Prin. Invest.: P HAMBOURGER
Tech. Officer: GRC/S K RUTLEDGE
CASE Category: 13 – PHYSICS

NCC 3 749 CLEVELAND STATE UNIV 7572
ADVANCED MATERIALS DEVELOPMENT, EVALUATION, AND MO DELING FOR PROPULSION APPLICATIONS
02/14/2000 - 02/28/2003 FY02: $0 Total: $215,475
Prin. Invest.: S N TEWARI
Tech. Officer: GRC/M NATHAL
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 759 CLEVELAND STATE UNIV 7573
EPR INVESTIGATIONS OF SILANE POLYMERIZATIONS EPR INVESTIGATIONS OF SILANE POLYMERIZATIONS
12/30/1999 - 11/30/2002 FY02: $0 Total: $198,279
Prin. Invest.: J MASNOVI
Tech. Officer: GRC/S R LEVINE
CASE Category: 43 – CHEMICAL ENGR

NCC 3 761 CLEVELAND STATE UNIV 7574
DESIGN LIFE METHODOLOGIES AND COMPUTER ALGORITHMS FOR THE ANALYSIS OF COMPONENTS FABRIATED FROM CERA
01/11/2000 - 01/22/2002 FY02: $0 Total: $129,946
Prin. Invest.: S F DUFFY
Tech. Officer: GRC/J MANDERSCHEID
CASE Category: 46 – MECHANICAL ENGR

NCC 3 764 CLEVELAND STATE UNIV 7575
SIMULATION AND PERFORMANCE ANALYSIS OF THE AERONAU TICAL TELECOMMUNICATION NETWORK
01/14/2000 - 03/14/2003 FY02: $0 Total: $142,222
Prin. Invest.: V K KONANGI
Tech. Officer: GRC/R KERCZEWSKI
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 817 CLEVELAND STATE UNIV 7576
NEW SOLID POLYMER ELECTROLYTES FOR IMPROVED LITHIU M BATTERIES
07/24/2000 - 07/31/2001 FY02: $0 Total: $140,509
Prin. Invest.: D G HEHEMANN
Tech. Officer: GRC/A E HEPP
CASE Category: 12 – CHEMISTRY

NCC 3 818 CLEVELAND STATE UNIV 7577
STUDY ON DAMPING EFFECTS ON CONVECTION DURING DIRE CTIONAL SOLIDIFICATION
07/24/2000 - 07/09/2001 FY02: $0 Total: $24,000
Prin. Invest.: D TEWARI
Tech. Officer: GRC/H DEGROH
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 829 CLEVELAND STATE UNIV 7578
SOLUTAL REDISTRIBUTION DURING DIRECTIONAL SOLIDIFI CATION
10/10/2000 - 08/31/2002 FY02: $0 Total: $45,500
Prin. Invest.: S N TEWARI
Tech. Officer: GRC/H C DE GROH
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 853 CLEVELAND STATE UNIV 7579
DEVELOPMENT OF HIGH TEMPERATURE LOW THERMAL CONDUC TIVITY ENVIRONMENTAL & THERMAL BARRIER COATING
01/23/2001 - 12/23/2002 FY02: $0 Total: $145,309
Prin. Invest.: S N TEWARI
Tech. Officer: GRC/L GREENBAUER-SENG
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 862 CLEVELAND STATE UNIV 7580
ENVIRONMENTAL DURABILITY OF MATERIALS FOR SPACE TR ANSPORTATION
02/14/2001 - 11/15/2002 FY02: $0 Total: $134,058
Prin. Invest.: S TEWARI
Tech. Officer: GRC/L A GREENBAUER-SENG
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 869 CLEVELAND STATE UNIV 7581
DYE-SENSITIZED SOLAR CELLS FOR SPACE POWER DYE-SENSITIZED SOLAR CELLS FOR SPACE POWER
02/27/2001 - 09/03/2003 FY02: $0 Total: $70,000
Prin. Invest.: J D HARRIS
Tech. Officer: GRC/S G BAILEY
CASE Category: 12 – CHEMISTRY

NCC 3 876 CLEVELAND STATE UNIV 7582
FORMULATION & EVALUATION OF ORGANO-PHOSPHATE SOLUT IONS FOR HIGH TEMPERATURE LUBRICATION
03/14/2001 - 05/20/2002 FY02: $0 Total: $26,168
Prin. Invest.: J E GATICA
Tech. Officer: GRC/W MORALES
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 883 CLEVELAND STATE UNIV 7583
ANALYSIS & CHARACTERIZATION OF ADVANCED MATERIALS FOR AEROSPACE APPLICATIONS
03/29/2001 - 03/31/2003 FY02: $0 Total: $156,911
Prin. Invest.: D G NEHEMANN
Tech. Officer: GRC/S G BAILEY
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 908 CLEVELAND STATE UNIV 7584
INVESTIGATION OF THE UTILIZATION OF MODERN INDUSTR IAL METHODS, PROCESSES, ERGONOMICS, AND THE INTER
08/13/2001 - 09/30/2004 FY02: $0 Total: $80,000
Prin. Invest.: G L KRAMERICH
Tech. Officer: GRC/J MULLINS
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 909 CLEVELAND STATE UNIV 7585
REFLECTIVITY FREQUENCY RESPONSE OF IN-FIBER BRAGG GRATINGS
08/16/2001 - 07/31/2002 FY02: $0 Total: $5,000
Prin. Invest.: J A LOCK
Tech. Officer: GRC/G ADAMOVSKY
CASE Category: 13 – PHYSICS

NCC 3 914 CLEVELAND STATE UNIV 7586
THERMAL TESTING OF FIBER OPTIC BRAGG GRATINGS UNDE R DYNAMIC EXCITATION
09/18/2001 - 12/30/2002 FY02: $0 Total: $8,000
Prin. Invest.: D FLANAGAN
Tech. Officer: GRC/D ADAMOVSKY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 3 931 CLEVELAND STATE UNIV 7587
ADVANCED DIGITAL CONTROL TECHNOLOGY FOR POWER MANA GEMENT AND DISTRIBUTION SYSTEMS
01/16/2002 - 12/18/2004 FY02: $0 Total: $0
Prin. Invest.: Z GAO
Tech. Officer: GRC/J F SOEDER
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 939 CLEVELAND STATE UNIV 7588
DAMPING CONCEPTS FOR ROTATING BLADES AND ROTORDYNA MICS
02/13/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: S N TEWARI
Tech. Officer: GRC/R V MINER
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 971 CLEVELAND STATE UNIV 7589
STUDY OF HOMOGENEOUS CATALYTIC EFFECTS IN ORGANIC SOLUTIONS OF PHOSPHATES AND TRANSITION METALS
06/17/2002 - 06/11/2003 FY02: $0 Total: $0
Prin. Invest.: J E GATICA
Tech. Officer: GRC/W MORALES
CASE Category: 43 – CHEMICAL ENGR

NGT 3 52387 CLEVELAND STATE UNIV 7590
GRADUATE STUDY RESEARCH - DEVELOPMENT OF A NONLINE AR MULTIVARIABLE CONTROL STRUCTURE FOR ADVANCED P
08/19/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: Z GAO
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 10233 COLL OF WOOSTER 7591
MULTIWAVELENGTH OBSERVATIONS OF HERCULES X-1; EUVE MINIGRANT, #97-MINIGRANT-002
01/25/2001 - 01/31/2002 FY02: $0 Total: $9,639
Prin. Invest.: B BOROSON
Tech. Officer: GSFC/K HARTNETT
CASE Category: 11 – ASTRONOMY

NAG 5 10396 COLL OF WOOSTER 7592
WIND IONIZATION IN HIGH MASS X-RAY BINARIES FUSE
02/12/2001 - 02/14/2002 FY02: $0 Total: $36,200
Prin. Invest.: B BOROSON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 8 1433 COLL OF WOOSTER 7593
TURBIDITY AND UNIVERSALITY AROUND A LIQUID-LIQUID CRITICAL POINT
02/06/1998 - 01/31/2003 FY02: $0 Total: $149,500
Prin. Invest.: D T JACOBS
Tech. Officer: MSFC/J W POE
CASE Category: 13 – PHYSICS

NAG 3 1778 CUYAHOGA COMM COLL 7594
MENTOR INTERSHIP PARTNERSHIP PROGRAM
08/16/1995 - 06/30/2002 FY02: -$1 Total: $99,821
Prin. Invest.: R L MOSS
Tech. Officer: GRC/F H YARRIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2663 CUYAHOGA COMM COLL 7595
NASA/CCC SCHOLARSHIP PROGRAM NASA/CCC SCHOLARSHIP PROGRAM
10/23/2001 - 10/22/2002 FY02: $0 Total: $0
Prin. Invest.: T L BUTLER
Tech. Officer: GRC/R ROMERO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12154 CUYAHOGA COMM COLL 7596
HIGH TECH ACADEMY
05/23/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: A JOHNSON
Tech. Officer: GSFC/C HOLLINGSWORTH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 02059 CUYAHOGA COMM COLL 7597
PRESERVING FINGER LAKES FOR THE FUTURE
09/27/2002 - 09/25/2004 FY02: $0 Total: $0
Prin. Invest.: R BROWER
Tech. Officer: SSC/M MICK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 3 98099 CUYAHOGA COMM COLL 7598
REPLICA OF SCIENCE ENGRG MATH. & AEROSPACE ACADEMY (SEMAA) IN CONNECTION W/NAS3-97168 (MAEL)
06/30/1998 - 12/31/2001 FY02: $0 Total: $9,583,920
Prin. Invest.: L L DARLING
Tech. Officer: GRC/R L BONDURANT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4341 DENISON UNIV 7599
LAB SPECTROSCOPY CH4 AND H2
04/23/1997 - 11/30/2001 FY02: $0 Total: $112,808
Prin. Invest.: D E MICKELSON
Tech. Officer: GSFC/R BEEBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11966 DENISON UNIV 7600
LAB SPECTROSCOPY OF CH4,H2 AND H20
04/04/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: M E MICKELSON
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2768 HEIDELBERG COLL 7601
SCIENCE FACILITIES INITIATIVE SCIENCE FACILITIES INITIATIVE
04/24/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: D A KRIEGER
Tech. Officer: GRC/F SAVINO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2564 JOHN CARROLL UNIV 7602
LIGHTING INNOVATIONS INST SUPPORT OF THE MEMS INCANDESCENT LIGHT SOURCE PROJECT
03/12/2001 - 01/31/2002 FY02: $0 Total: $45,000
Prin. Invest.: R L HANSLER
Tech. Officer: GRC/S WRBANEK
CASE Category: 13 – PHYSICS

NCC 3 945 JOHN CARROLL UNIV 7603
LIGHTING INNOVATIONS INST SUPPORT OF THE MEMS INCANDESCENT LIGHT SOURCE PROJECT IN 2002.
03/15/2002 - 02/06/2003 FY02: $0 Total: $0
Prin. Invest.: R L HANSLER
Tech. Officer: GRC/M L TUMA
CASE Category: 13 – PHYSICS

NCC 3 948 JOHN CARROLL UNIV 7604
DEVELOPMENT OF MEMS WHITELIGHT SOURCE DEVELOPMENT OF MEMS WHITELIGHT SOURCE
05/02/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: R HANSLER
Tech. Officer: GRC/M L TUMA
CASE Category: 13 – PHYSICS

NAG 2 1497 KENT STATE UNIV 7605
THE EFFECTS OF MICROGRAVITY ON THE ECOLOGY OF BIOF ILM BACTERIA
07/05/2001 - 06/30/2003 FY02: $0 Total: $90,664
Prin. Invest.: L G LEFF
Tech. Officer: ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2416 KENT STATE UNIV 7606
LANDSCAPE PARAMETERIZATION AND CLASSIFICATION FOR VISUALIZATION OF LANDSAT ETM - OHIOVIEW
05/09/2000 - 07/20/2001 FY02: $0 Total: $105,000
Prin. Invest.: D MUNRO-STASIUK
Tech. Officer: GRC/T SCOTT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2539 KENT STATE UNIV 7607
LIQUID CRYSTAL BASED BEAM STEERING DEVICE AND OPTI CAL TELESCOPES
02/08/2001 - 01/15/2004 FY02: $0 Total: $211,293
Prin. Invest.: P BROS
Tech. Officer: GRC/J POUCH
CASE Category: 13 – PHYSICS

NAG 5 11266 KENT STATE UNIV 7608
HYDRODYNAMIC INSTABILITIES AND EDDY-MEAN FLOW INTE RACTION IN THE SOUTHERN OCEAN
09/10/2001 - 07/14/2003 FY02: $0 Total: $69,108
Prin. Invest.: D L WITTER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1389 KENT STATE UNIV 7609
BED REST & NUEROVASCULAR FUNCTION
11/23/2001 - 10/31/2003 FY02: $0 Total: $0
Prin. Invest.: D D MACLEAN, M D LAWRENCE
Tech. Officer: JSC/C LLOYD
CASE Category: 56 – MEDICL

NCC 3 563 KENT STATE UNIV 7610
THIN FILM BATTERIES
06/17/1997 - 01/31/2001 FY02: $0 Total: $147,000
Prin. Invest.: C VARCAS ABURTO, R URIBE
Tech. Officer: GRC/A F HEPP
CASE Category: 12 – CHEMISTRY

NCC 3 721 KENT STATE UNIV 7611
E-BEAM SENSITIVE POLYMIDES E-BEAM SENSITIVE POLYMIDES
07/02/1999 - 09/21/2003 FY02: $0 Total: $242,654
Prin. Invest.: R J TWIEG
Tech. Officer: GRC/M A MEADOR
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 734 KENT STATE UNIV 7612
THIN FILM TECHNOLOGY FOR SPACE POWER THIN FILM TECHNOLOGY FOR SPACE POWER
09/23/1999 - 02/28/2001 FY02: $0 Total: $99,994
Prin. Invest.: D CHOWDHURY
Tech. Officer: GRC/A HEPP
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 2 1017 **MIAMI UNIV** **7613**
GRAVIPERCEPTION IN STARCH-DEFICIENT PLANTS IN BIOR ACK
10/31/1995 - 12/31/2001 FY02: $0 Total: $297,282
Prin. Invest.: J Z KISS
Tech. Officer: ARC/C M WINGET, ARC/G C JAHNS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2436 **MIAMI UNIV** **7614**
BUILDING AND ENHANCING AN OHIOVIEW GEOSPATIAL DIGI TAL LIBRARY FOR K-12, HIGHER EDUCATION AND THEGE
05/22/2000 - 05/15/2001 FY02: $0 Total: $105,000
Prin. Invest.: J MILLARD
Tech. Officer: GRC/T M SCOTT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 1200 **MIAMI UNIV** **7615**
ANALYSIS OF A NOVEL SENSORY MECHANISM IN ROOT PHOT OTROPISM
09/05/2000 - 04/30/2003 FY02: $0 Total: $161,559
Prin. Invest.: J Z KISS
Tech. Officer: ARC/D REISS-BUBENHEIM, ARC/R W BERTHLOD
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 7789 **NORTHEASTERN OHIO UNIV COL OF MEDICINE** **7616**
THE EFFECT OF HYPERGRAVITY ON BONE CELL CULTURES
11/16/1998 - 07/31/2002 FY02: $0 Total: $374,743
Prin. Invest.: W J LANDIS
Tech. Officer: GSFC/M M AVERNER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 3 2544 **OHIO NORTHERN UNIV** **7617**
A FUZZY CONTROLLER REMOTE POWER SWITCH
04/19/2001 - 07/08/2001 FY02: $0 Total: $2,500
Prin. Invest.: F L GRISMORE
Tech. Officer: GRC/R BUTTON
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 02066 **OHIO STATE UNIV** **7618**
MODELING FOR ULTRASONIC HEALTH MONITORING OF FOAMS WITH EMBEDDED SENSORS
03/14/2002 - 03/13/2005 FY02: $0 Total: $0
Prin. Invest.: S I ROKHLIN
Tech. Officer: LARC/W T YOST
CASE Category: 13 – PHYSICS

NAG 2 1411 **OHIO STATE UNIV** **7619**
ANALYSIS OF THE INTERACTION OF ENVIRONMENTAL SIGNA L TRANSDUCTION PATHWAYS USING TRASDUCTION
06/21/2000 - 06/14/2003 FY02: $0 Total: $252,755
Prin. Invest.: M L EVANS
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2138 **OHIO STATE UNIV** **7620**
ULTRASOUND THERMAL FIELD IMAGING OF OPAQUE FLUIDS ULTRA SOUND THERMAL FIELD IMAGING OF OPAQUE FLUIDS
03/06/1998 - 12/31/2002 FY02: $0 Total: $332,700
Prin. Invest.: C D ANDERECK
Tech. Officer: GRC/D W GRIFFIN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2316 **OHIO STATE UNIV** **7621**
MAGNETIC NOZZLE STUDIES FOR ADVANCED ROCKET PROPUL SION
01/07/2000 - 06/21/2002 FY02: $0 Total: $129,998
Prin. Invest.: P J TURCHI
Tech. Officer: GRC/C H WILLIAMS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2339 **OHIO STATE UNIV** **7622**
COMPUTATIONAL NONEQUILIBRIUM PLASMA DYNAMICS COMPUTATIONAL NONEQUILIBRIUM PLASMA DYNAMICS
02/23/2000 - 06/30/2002 FY02: $0 Total: $80,000
Prin. Invest.: I ADAMOVICH
Tech. Officer: GRC/S J SCHNEIDER
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2410 **OHIO STATE UNIV** **7623**
DEMONSTRATING THE VALUE OF SATELLITE INFORMATION F OR DEVELOPMENT AND PLANNING IN APPALACHIAN OHIO -
05/11/2000 - 05/31/2001 FY02: $0 Total: $105,000
Prin. Invest.: J K KLEIN
Tech. Officer: GRC/T M SCOTT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2412 **OHIO STATE UNIV** **7624**
OHIOVIEW WORK (2 PROPOSALS) DESIGN OF A USER FRIEN DLY DATA MINING APPROACH FOR GEO-REFERENCED IMAGE
05/04/2000 - 09/30/2001 FY02: $0 Total: $230,000
Prin. Invest.: D L MORRISON
Tech. Officer: GRC/T M SCOTT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2428 **OHIO STATE UNIV** **7625**
OHIO VIEW PRODUCT DEFINITION WORKSHOPS OHIO VIEW PRODUCT DEFINITION WORKSHOPS
05/31/2000 - 07/30/2001 FY02: $0 Total: $20,000
Prin. Invest.: S DAVIS
Tech. Officer: GRC/T M SCOTT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2438 **OHIO STATE UNIV** **7626**
PLASMA THRUSTERS RESEARCH (PARTS I AND III) PLASMA THRUSTERS RESEARCH (PARTS I AND III)
05/19/2000 - 05/18/2002 FY02: $0 Total: $89,999
Prin. Invest.: D Y YORK
Tech. Officer: GRC/E J PENCIL
CASE Category: 13 – PHYSICS

NAG 3 2522 **OHIO STATE UNIV** **7627**
CHARACTERIZATION OF COMPOSITE RESPONSE AT HIGH RAT ES OF LOADING
01/09/2001 - 11/30/2001 FY02: $0 Total: $45,070
Prin. Invest.: GILAT
Tech. Officer: GRC/R K GOLDBERG
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2549 **OHIO STATE UNIV** **7628**
THERMALLY STABLE OHMIC CONTRACTS ON 4H & 6H-SIC MICRODEVICES FOR HIGH TEMPERATURE APPLICATION
02/26/2001 - 02/28/2003 FY02: $0 Total: $40,477
Prin. Invest.: L BRILLSON
Tech. Officer: GRC/R S OKOJIE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2675 **OHIO STATE UNIV** **7629**
ATOMIC SCALE MODELING OF THE STRUCTURE & DYNAMICS OF DISLOCATIONS IN COMPLEX ALLOYS AT HIGH TEMPERA
12/14/2001 - 12/14/2004 FY02: $0 Total: $0
Prin. Invest.: M J MILLS
Tech. Officer: GRC/R D NOEBE
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2700 **OHIO STATE UNIV** **7630**
DENDRITIC CRYSTAL GROWTH DENDRITIC CRYSTAL GROWTH
01/29/2002 - 01/17/2006 FY02: $0 Total: $0
Prin. Invest.: S TANVEER
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2748 **OHIO STATE UNIV** **7631**
STUDY OF HIGH STRAIN RATE RESPONSE OF COMPOSITES STUDY OF HIGH STRAIN RATE RESPONSE OF COMPOSITES
03/21/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: A GILAT
Tech. Officer: GRC/R GOLDBERG
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2788 **OHIO STATE UNIV** **7632**
MAGNETOGASDYNAMIC POWER EXTRACTION AND FLOW CONDIT IONING FOR A GAS TURBINE ENGINEERING EVALUATION S
06/10/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: I V ADAMOVICH
Tech. Officer: GRC/S J SCHNEIDER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 3525 **OHIO STATE UNIV** **7633**
QUASAR ABSORPTION IN THE UV: PROBING THE INTERGALA
11/13/1996 - 03/14/2003 FY02: $0 Total: $552,600
Prin. Invest.: D H WEINBERG
Tech. Officer: GSFC/R K OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 3983 **OHIO STATE UNIV** **7634**
MILLIMETER AND SUBMILLIMETER SPECTROSCOPY OF MOLEC IMPORTANCE
03/03/1997 - 12/31/2002 FY02: $0 Total: $622,013
Prin. Invest.: F C DEELUCIA
Tech. Officer: GSFC/M J KURYLO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6001 **OHIO STATE UNIV** **7635**
SATELITE AND MODEL ANALYSIS OF THE ATMOSPHERIC MOI LATITUDES
09/10/1997 - 07/31/2001 FY02: $0 Total: $368,150
Prin. Invest.: D BROMWICH
Tech. Officer: HQ/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6817 **OHIO STATE UNIV** **7636**
SPATIAL AND TEMPORAL VARIABILITY OF NET ANNUAL ACC UMULATION AND CLIMATE IN GREENLAND
01/07/1998 - 01/31/2001 FY02: $0 Total: $305,113
Prin. Invest.: E S MOSLEY-THOMPSON
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7150 **OHIO STATE UNIV** **7637**
STANDARD & NONSTANDARD STELLAR MODELS: IMPLICATIONS FOR CLUSTER AGES AND LATE EVOLUTIONAERY STAGES
04/02/1998 - 09/14/2002 FY02: $0 Total: $300,142
Prin. Invest.: M H PINSONNEAULT
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7252 **OHIO STATE UNIV** **7638**
SUBMILLIMETER LABORATORY INVESTIGATIONS: SPECTROS COPY & COLLISIONS
05/07/1998 - 04/30/2002 FY02: $0 Total: $150,360
Prin. Invest.: E HERBST
Tech. Officer: GSFC/H THRONSON
CASE Category: 11 – ASTRONOMY

NAG 5 7286 **OHIO STATE UNIV** **7639**
SHIFTING BOUNDARIES OF THE ANTARCTIC ICE SHEET
10/19/1998 - 10/31/2002 FY02: $0 Total: $278,474
Prin. Invest.: K C JEZEK
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7574 **OHIO STATE UNIV** **7640**
FUNDING FOR GRAVITY &TIME VARYING GRAVITY FIELD RE COVERY (SENH98-0144)
08/04/1998 - 07/31/2002 FY02: $0 Total: $300,000
Prin. Invest.: C K SHUM
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7685 **OHIO STATE UNIV** **7641**
EDUCATIONAL OUTREACH FOR THE LANDSAT-7 MISSION SCI ENCE OFFICE
09/11/1998 - 06/30/2002 FY02: $0 Total: $77,425
Prin. Invest.: C MERRY
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7750 **OHIO STATE UNIV** **7642**
MODELING AND OBSERVATIONAL STUDY OF THE GLOBAL ATM OSPHERIC IMPACTS OF ANTARCTIC SEA ICE ANOMALIES
10/20/1998 - 12/31/2002 FY02: $0 Total: $245,536
Prin. Invest.: D H BROMWICH
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7848 **OHIO STATE UNIV** **7643**
THE GLACIER DYNAMICS AND MASS FLUX OF ANTARCTIC IC E STREAMS FROM RADARSAT INSAR
11/23/1998 - 12/31/2002 FY02: $0 Total: $130,318
Prin. Invest.: R R FORSTER
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7903 **OHIO STATE UNIV** **7644**
RADIATIVE AND COLLISIONAL ATOMIC DATA FOR UV AND O PTICAL ASTRONOMY
12/10/1998 - 12/31/2002 FY02: $0 Total: $157,868
Prin. Invest.: D K PRADHAN
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 8397 **OHIO STATE UNIV** **7645**
PROBING THE PHYSICS OF VARIABLE ACTIVE GALACTIC NU CLEI
04/16/1999 - 10/31/2003 FY02: $0 Total: $248,500
Prin. Invest.: B M PETERSON
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8423 **OHIO STATE UNIV** **7646**
ATOMIC PROCESSES IN X-RAY ASTROPHYSICS (ATP 98)
04/15/1999 - 04/14/2003 FY02: $0 Total: $189,346
Prin. Invest.: A K PRADHAN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8455 **OHIO STATE UNIV** **7647**
BAYESIAN HIERARCHICAL AIR-SEA INTERACTION MODELING : DEVELOPMENT AND APPLICATION TO THE LABR
04/12/1999 - 05/31/2003 FY02: $0 Total: $49,620
Prin. Invest.: K N BERLINER
Tech. Officer: GSFC/E LIDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8608 **OHIO STATE UNIV** **7648**
RADARSAT: THE ANTARCTIC MAPPING PROJECT
06/10/1999 - 06/30/2001 FY02: $0 Total: $432,220
Prin. Invest.: K C JEZEK
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8632 **OHIO STATE UNIV** **7649**
MODELING GREENLAND OUTLET GLACIERS
06/28/1999 - 06/30/2001 FY02: $0 Total: $70,761
Prin. Invest.: C DER VEEN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8913 **OHIO STATE UNIV** **7650**
ABSORBING OUTFLOWS IN AGN PI TRANSFER FROM SAO
06/22/2000 - 09/30/2001 FY02: $0 Total: $217,314
Prin. Invest.: S MATHUR
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 21 – MATHEMATICS

NAG 5 9335 **OHIO STATE UNIV** **7651**
A GEOPHYSICAL APPROACH TO STUDY THE ROLE OF ICE SHEET MASS BALANCE IN GLOBAL SEA LEVEL CHANGE
03/30/2000 - 04/30/2003 FY02: $0 Total: $297,461
Prin. Invest.: C K SHUM
Tech. Officer: GSFC/K PARTINGTON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9518 **OHIO STATE UNIV** **7652**
REGIONAL SCALE METEOROLOGICAL ANALYSIS & PREDICTION USING GPS OCCULTATION & EOS DATA
05/10/2000 - 04/30/2003 FY02: $0 Total: $432,015
Prin. Invest.: D BROMWICH
Tech. Officer: GSFC/R KAKAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9538 **OHIO STATE UNIV** **7653**
RADARSAT ANTARCTIC MAPPING PROJECT: ANTARCTIC IMAG ING CAMPAIGN 2
05/23/2000 - 05/31/2005 FY02: $0 Total: $1,395,371
Prin. Invest.: K JEZEK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9596 **OHIO STATE UNIV** **7654**
A REGIONAL INTEGRATED MONITORING SYSTEM FOR THE HYDROLOGY OF THE PAN-ARCTIC LAND MASS
05/11/2000 - 04/30/2003 FY02: $0 Total: $68,336
Prin. Invest.: D BROMWICH
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9883 **OHIO STATE UNIV** **7655**
LITHOSPHERIC ANALYSIS OF SATELLITE MAGNETOMETER OBSERVATION
08/24/2000 - 08/31/2002 FY02: $0 Total: $25,000
Prin. Invest.: R R VON FRESE
Tech. Officer: GSFC/P TAYLOR
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9936 **OHIO STATE UNIV** **7656**
LIFTING THE SHROUD AROUND BROAD ABSORPTION LINE QUASARS WITH XMM
09/06/2000 - 09/14/2002 FY02: $0 Total: $37,300
Prin. Invest.: S MATHUR
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9937 **OHIO STATE UNIV** **7657**
X-RAY SPECTRA OF Z>4 QUASARS
09/06/2000 - 09/14/2002 FY02: $0 Total: $30,000
Prin. Invest.: S MATHUR
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10112 **OHIO STATE UNIV** **7658**
MAPPING ANTARCTIC ICE SHEET MARGINS AND SNOW MELT ZONES OVER DECADAL TIME SCALES FOR UNDERSTANDING
11/21/2000 - 11/14/2003 FY02: $0 Total: $88,537
Prin. Invest.: K JEZEK
Tech. Officer: GSFC/K PARTINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10160 **OHIO STATE UNIV** **7659**
SATELLITE AND MODEL ANAYSIS OF THE ATMOSPHERIC MOISTURE BUDGET IN HIGH LATTITUDES
12/20/2000 - 03/31/2002 FY02: $0 Total: $78,767
Prin. Invest.: D BROMWICH
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10199 **OHIO STATE UNIV** **7660**
AIRBORNE GEOPHYSICS AND REMOTE SENSING APPLIED TO STUDY GREENLAND ICE DYNAMICS
12/21/2000 - 12/31/2001 FY02: $0 Total: $63,604
Prin. Invest.: B CSATHO
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10207 OHIO STATE UNIV 7661
SUBMILLIMETER LABORATORY INVESTIGATIONS: SPECTROS COPY & COL-LISIONS
01/03/2001 - 12/31/2003 FY02: $0 Total: $80,000
Prin. Invest.: E HERBST
Tech. Officer: GSFC/G STRINGFELLO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10266 OHIO STATE UNIV 7662
SPATIAL AND TEMPORAL VARIABILILTY OF GREENLAND ACC UMULATION AND CLIMATE FROM THE PARCA CORES
01/09/2001 - 12/31/2001 FY02: $0 Total: $70,217
Prin. Invest.: E MOSLEY-THOMPSON
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10275 OHIO STATE UNIV 7663
DETERMINING ICE SHEET ACCUMULATION RATES FROM RADAR REMOTE SENSING
01/12/2001 - 01/14/2002 FY02: $0 Total: $54,903
Prin. Invest.: K JEZEK
Tech. Officer: GSFC/W ABDALTI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10320 OHIO STATE UNIV 7664
FUV SPECTROSCOPY OF NARROW LINE SEYFERT 1 GALAXIES FUSE 2000
01/30/2001 - 01/31/2003 FY02: $0 Total: $83,900
Prin. Invest.: S MATHUR
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10619 OHIO STATE UNIV 7665
NEAR REAL-TIME GPS/LEO PRECISION ORBIT DETERMINA- TION FOR OPERATIONAL WEATHER FORECASTING WITH GPS
03/19/2001 - 03/31/2004 FY02: $0 Total: $117,889
Prin. Invest.: D BRZEZINSKA
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10678 OHIO STATE UNIV 7666
SEARCHING FOR EXTRA-SOLAR SYTEM PLANETS USING GRAV ITATIONAL MICROLENSING
04/24/2001 - 04/30/2004 FY02: $0 Total: $45,000
Prin. Invest.: D DEPOY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10978 OHIO STATE UNIV 7667
MODELLING GREENLAND OUTLET GLACIERS
05/29/2001 - 05/31/2003 FY02: $0 Total: $41,805
Prin. Invest.: C V DER VEEN
Tech. Officer: GSFC/W ABDALATI
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11383 OHIO STATE UNIV 7668
MOBILE SENSOR WEB FOR POLAR ICE SHEET MEASUREMENTS
11/01/2001 - 10/31/2006 FY02: $0 Total: $0
Prin. Invest.: K JEZEK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11462 OHIO STATE UNIV 7669
ATOMIC DATA FOR MULTI-WAVELENGTH SPECTRAL FORMATION
12/10/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: A K PRADHAN
Tech. Officer: GSFC/H HASAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11749 OHIO STATE UNIV 7670
"UNDERSTANDING RECENT MASS CHANGES OF THE GREENLAN D ICE SHEET"
02/12/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: C J VAN DER VEEN
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11794 OHIO STATE UNIV 7671
SATELLITE AND MODEL ANALYSIS OF THE ATMOSPHERIC MOISTURE BUDGET IN HIGH LATITUDES - BRIDGE FUNDING
02/28/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: D BROMWICH
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11984 OHIO STATE UNIV 7672
THEORETICAL X-RAY ATOMIC ASTROPHYSICS AND SPECTROS COPY: THE RMAX NETWORK
04/12/2002 - 04/14/2004 FY02: $0 Total: $0
Prin. Invest.: A K PRADHAN
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12290 OHIO STATE UNIV 7673
COMPUTER HARDWARE UPGRADES IN SUPPORT OF ICE SHEET DATA PROCESSING AND ANALYSIS
06/20/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: K JEZEK
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12407 OHIO STATE UNIV 7674
MODELING MASS BALANCE GREENLAND AND ANTARCTIC ICE SHEET
08/01/2002 - 07/31/2004 FY02: $0 Total: $0
Prin. Invest.: D BROMWICH
Tech. Officer: GSFC/W ABDALATI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12585 OHIO STATE UNIV 7675
DETERMINATION AND CHARACTERIZATION OF 20TH CENTURY GLOBAL SEA LEVEL RISE
09/17/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: C K SHUM
Tech. Officer: GSFC/W ABDALATI
CASE Category: 33 – OCEANOGRAPHY

NAG 8 1441 OHIO STATE UNIV 7676
GRAVITATIONAL EFFECTS IN BOSE-EINSTEIN CONDENSATE OF ATOMIC GASES
03/06/1998 - 01/31/2003 FY02: $0 Total: $213,250
Prin. Invest.: T HO
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1470 **OHIO STATE UNIV** **7677**
R/S INTERDIFFUSION IN THE PRESENCE OF FREE CONVECTION
03/26/1998 - 01/31/2003 FY02: $0 Total: $240,833
Prin. Invest.: P K GUPTA
Tech. Officer: MSFC/C TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1670 **OHIO STATE UNIV** **7678**
FUNDAMENTAL STUDIES OF CRYSTAL GROWTH OF MICROPOROUS MATERIALS
06/05/2000 - 11/30/2003 FY02: $0 Total: $215,917
Prin. Invest.: P K DUTTA
Tech. Officer: MSFC/P DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1765 **OHIO STATE UNIV** **7679**
QUANTUM GASES IN NOVEL ENVIRONMENTS: OPTICAL LATTICES AND RAPIDLY ROTATING POTENTIALS
05/01/2001 - 04/30/2004 FY02: $0 Total: $25,000
Prin. Invest.: T L HO
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 9 1005 **OHIO STATE UNIV** **7680**
ORIENTATION FOR INTERVENTION: SUPPORTING MISSION AWARENESS IN SPACE OPERATIONS
05/06/1998 - 06/30/2002 FY02: $0 Total: $242,292
Prin. Invest.: D D WOODS
Tech. Officer: JSC/B J WOOLFORD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG10 263 **OHIO STATE UNIV** **7681**
DEVELOPMENT OF GRAVITY SENSITIVE PLANT CELLS CERATODON IN MICROGRAVITY
07/14/1999 - 11/30/2002 FY02: $0 Total: $325,354
Prin. Invest.: F SACK
Tech. Officer: KSC/G ETHERIDGE
CASE Category: 55 – AGRICULTURE

NAG10 320 **OHIO STATE UNIV** **7682**
ROBOTIC TOMATO HARVESTER ROBOTIC TOMATO HARVESTER
07/25/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: P LING
Tech. Officer: KSC/J C SAGER
CASE Category: 55 – AGRICULTURE

NAG13 00039 **OHIO STATE UNIV** **7683**
HIERARCHICAL SEGMENTATION AND ATTRIBUTION OF HIGH RESOLUTION AERIAL IMAGES
05/19/2000 - 09/30/2001 FY02: $0 Total: $200,000
Prin. Invest.: K BOYER
Tech. Officer: SSC/B DAVIS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAS 3 02116 **OHIO STATE UNIV** **7684**
ACTIVE NOISE CONTROL IN SUPERSONIC JETS USING PLASMA ACTUATORS NRA PHASE I
03/08/2002 - 11/08/2002 FY02: $0 Total: $0
Prin. Invest.: M SAMIMY
Tech. Officer: GRC/J E BRIDGES, GRC/J E GRADY
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 5 02001 **OHIO STATE UNIV** **7685**
DEVELOP, FABRICATE, TEST LABORATORY PROTOTYPE DIGITAL RECEIVER.
03/11/2002 - 08/31/2002 FY02: $0 Total: $0
Prin. Invest.: J T JOHNSON
Tech. Officer: GSFC/F PERI
CASE Category: 45 – ELECTRICAL ENGR

NCA 3 206 **OHIO STATE UNIV** **7686**
GLENNAN MICROSYSTEMS INIATIVE FY 01 PROJECTS
02/26/2001 - 03/31/2003 FY02: $0 Total: $140,000
Prin. Invest.: P DUTTA
Tech. Officer: GRC/M V ZELLER
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 2 1261 **OHIO STATE UNIV** **7687**
VISUALIZING TIME-VARYING DATA DISTRIBUTIONS IN EOS APPLICATIONS
04/26/2001 - 02/28/2003 FY02: $0 Total: $47,478
Prin. Invest.: H SHEN
Tech. Officer: ARC/D L KAO, ARC/V R WATSON
CASE Category: 22 – COMPUTER SCIENCE

NCC 3 899 **OHIO STATE UNIV** **7688**
DEVELOPMENT OF ADVANCED SOLAR CELL TECHNOLOGY DEVELOPMENT OF ADVANCED SOLAR CELL TECHNOLOGY
06/20/2001 - 06/30/2002 FY02: $0 Total: $23,000
Prin. Invest.: S A RINGEL
Tech. Officer: GRC/E B CLARK
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 949 **OHIO STATE UNIV** **7689**
THERMALLY STABLE OHMIC CONTACTS ON $H AND 6H-SIC M ICRODEVICES FOR HIGH TEMPERATURE APPLICATIONS
03/29/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: L BRILLSON
Tech. Officer: GRC/R S OKOJIE
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 974 **OHIO STATE UNIV** **7690**
ADVANCED III-V SPACE PHOTOVOLTAICS ON LATTICE-ENGI NEERED SUBSTRATES
06/27/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: S A RINGEL
Tech. Officer: GRC/E CLARK
CASE Category: 45 – ELECTRICAL ENGR

NGT 3 52363 **OHIO STATE UNIV** **7691**
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RESEARCH PROGRAM
06/12/2000 - 09/18/2003 FY02: $0 Total: $44,000
Prin. Invest.: P K DUTTA
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 43 – CHEMICAL ENGR

NGT 3 52373 **OHIO STATE UNIV** **7692**
GRADUATE STUDENT RESEARCH
06/07/2001 - 08/31/2002 FY02: $0 Total: $22,000
Prin. Invest.: V V SUBRAMANIAM
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 46 – MECHANICAL ENGR

NGT 5 131 **OHIO STATE UNIV** **7693**
THE ROLE OF THE OCEAN IN CONVECTIVE BURST INITIA- TION & MAINTENANCE: IMPLICATIONS FOR TROPICAL CY
06/06/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J HOBGOOD
Tech. Officer: GSFC/M S BURRELL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 5 30178 **OHIO STATE UNIV** **7694**
METEOROLOGICAL PROCESSES CONTROLLING THE SPATIAL & TEMPORAL VARIABILITY OF NET ANNUAL ACCUMULATION:
08/12/1999 - 08/31/2003 FY02: $0 Total: $66,000
Prin. Invest.: E MOSLEY-THOMPSON
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 51 **OHIO STATE UNIV** **7695**
ACID SULFATE DRAINAGE: A MODEL SYSTEM FOR UNDERSTA NDING POTENTIAL BIOMINERALIZATION PROCESSON MARS
07/11/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J BIGHAM
Tech. Officer: JSC/R MORRIS
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 1 2036 **OHIO UNIV** **7696**
MODIFYING & TESTING ATC CONTROLLER INTERFACE (CI) FOR DATA LINK CLEARANCES
03/24/1998 - 02/28/2001 FY02: -$5,265 Total: $381,716
Prin. Invest.: J M RANKIN, P MATTSON
Tech. Officer: LARC/R W WILLS
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 2299 **OHIO UNIV** **7697**
HAPTICS-AUGMENTED SCIENCE EDUCATION
05/16/2000 - 05/15/2001 FY02: $0 Total: $30,430
Prin. Invest.: R L WILLIAMS
Tech. Officer: LARC/J M SEATON
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 1 01094 **OHIO UNIV** **7698**
HAPTICS-AUGMENTED EDUCATION
06/01/2001 - 05/31/2004 FY02: $0 Total: $14,000
Prin. Invest.: R L WILLIAMS
Tech. Officer: LARC/J M SEATON
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2385 **OHIO UNIV** **7699**
WEATHER DATALINK RESEARCH WEATHER DATALINK RESEARCH
04/05/2000 - 07/10/2001 FY02: $0 Total: $199,976
Prin. Invest.: T A SKIDMORE
Tech. Officer: GRC/P E POINSATTE
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2575 **OHIO UNIV** **7700**
AVIATION WEATHER DATALINK FLIGHT TEST EVALUATIONS RESEARCH AND DEVELOPMENT
03/23/2001 - 10/19/2001 FY02: $0 Total: $49,723
Prin. Invest.: T SKIDMORE
Tech. Officer: GRC/P POINSATTE
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2612 **OHIO UNIV** **7701**
FLIGHT DEMONSTRATION OF A 3-DIMENSIONAL COCKPIT DI SPLAY OF TRAFFIC INFORMATION
07/31/2001 - 09/23/2003 FY02: $0 Total: $35,867
Prin. Invest.: J RANKIN
Tech. Officer: GRC/B BREAM
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 7645 **OHIO UNIV** **7702**
FUNDING FOR 'ANALYSIS OF POLAR OERSTED, SUNSAT, MA DSAT, AND POGO DATA' (SENH98-0063)
08/27/1998 - 12/31/2002 FY02: $0 Total: $224,500
Prin. Invest.: R R VON FRESE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10349 **OHIO UNIV** **7703**
PROPOSAL #537 DEVELOP A DYNAMIC RESOURCE MANAGE- MENT AP-PROACH FOR ADAPTIVE AGENT-BASED REAL-TI
02/05/2001 - 02/14/2003 FY02: $0 Total: $193,919
Prin. Invest.: L WELCH
Tech. Officer: GSFC/B B PFARR
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11025 **OHIO UNIV** **7704**
COOLING FLOWS AND RADIO GALAXIES: THE CHANDRA ERA (LTSA 2000)
06/13/2001 - 06/14/2005 FY02: $0 Total: $100,000
Prin. Invest.: B MCNAMARA
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 8 1789 **OHIO UNIV** **7705**
FUTURE IMPROVEMENT OF A TRAJECTORY LINERIZATION FLIGHT CON-TROLLER FOR X-33
03/06/2001 - 12/31/2002 FY02: $0 Total: $34,833
Prin. Invest.: J J ZHU
Tech. Officer: MSFC/D R KRUPP
CASE Category: 42 – ASTRONAUTICAL ENGR

NAS 5 00185 **OHIO UNIV** **7706**
ADAPTIVE MANAGEMENT OF COMPUTING & NETWORK RESOURCES FOR REAL-TIME SENSOR WEBS.
08/31/2000 - 12/31/2002 FY02: $0 Total: $342,988
Prin. Invest.: L WELCH
Tech. Officer: GSFC/B PFAR
CASE Category: 22 – COMPUTER SCIENCE

NAS 8 01105 **OHIO UNIV** **7707**
THEORETICAL VALIDATION, FEV & IMPLEMETNATION OF AL GORITHMS, & PREFORMING SIMULATION TESTING
05/18/2001 - 05/31/2003 FY02: $0 Total: $369,018
Prin. Invest.: J ZHU, D A LAWRENCE
Tech. Officer: MSFC/J M RANKIN
CASE Category: 49 – ENGINEERING, OTHER

NCC 1 351 **OHIO UNIV** **7708**
A DTED TERRAIN AVOIDANCE SYS UTILIZING GPS AND RADAR ALTIMETER MONITORING, RE NRA 98-LARC-10
09/01/1999 - 12/31/2002 FY02: $0 Total: $953,000
Prin. Invest.: J M RANKIN, D DIGGLE, M U DE HAAG
Tech. Officer: LARC/R M HUESCHEN, LARC/R V PARRISH
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1030 **OHIO UNIV** **7709**
WEATHER-RELATED PILOT DECISION-MAKING CONTEXT CATE GORIZATION
03/25/1998 - 12/31/2000 FY02: $0 Total: $132,386
Prin. Invest.: C E MCCOY
Tech. Officer: ARC/J M ORASANU
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1258 **OHIO UNIV** **7710**
EXTREME DECISION-MAKING: WEATHER RELATED PILOT DEC ISION-MAKING
04/20/2001 - 11/14/2001 FY02: $0 Total: $77,199
Prin. Invest.: C E MCCOY
Tech. Officer: ARC/J ORASANU
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 3 680 **OHIO UNIV** **7711**
A STUDY OF MULTI-USER TCPTRAFFIC OVER ACTS A STUDY OF MULTI-USER TCPTRAFFIC OVER ACTS
03/10/1999 - 05/15/2001 FY02: $0 Total: $90,935
Prin. Invest.: S OSTERMANN
Tech. Officer: GRC/W D IVANCIC
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2645 **OHIO WESLEYAN UNINERITY** **7712**
IMPROVEMENTS TO CAMPUS INFRASTRUCTURE AT OHIO WESL EYAN UNIV
10/23/2001 - 08/11/2003 FY02: $1,497,000 Total: $1,497,000
Prin. Invest.: W C LOUTHAN
Tech. Officer: GRC/F SAVINO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10453 **OHIO WESLEYAN UNINERITY** **7713**
INFORMAL & UNDERGRADUATE SCIENCE EDUCATION OPPORT UNITIES AT OHIO WESLEYAN UNIV
02/28/2001 - 02/28/2003 FY02: $0 Total: $1,373,000
Prin. Invest.: W LOUTHAN
Tech. Officer: HQ/J ROSENDHAL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 02003 **UNIV OF AKRON** **7714**
CHARACTERIZATION OF DURABILITY OF POLYMER MATRIX COMPOSITES & ADHESIVE JOINTS IN CRYOTANK ENVIRONMT
11/14/2001 - 11/13/2004 FY02: $0 Total: $0
Prin. Invest.: R B PIPES
Tech. Officer: LARC/E S WEISER
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02035 **UNIV OF AKRON** **7715**
POLYIMIDE/CARBON NANOCOMPOSITES
01/15/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: F W HARRIS, L DAI
Tech. Officer: LARC/J W CONNELL
CASE Category: 12 – CHEMISTRY

NAG 3 2182 **UNIV OF AKRON** **7716**
FAST POTENTIAL THEORETIC METHODS FOR FAR-FIELD SOU ND RADIATION PROBLEMS
07/18/1998 - 06/30/2001 FY02: $0 Total: $30,000
Prin. Invest.: D I HAIHARAN
Tech. Officer: GRC/J R SCOTT
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2279 **UNIV OF AKRON** **7717**
SYSTEM AND PROPAGATION AVAILABILITY ANALYSIS FOR N ASA'S ADVANCED AIR TRANSPORTATION TECHNOLOGIES (A
07/12/1999 - 08/14/2001 FY02: $0 Total: $74,100
Prin. Invest.: O C UGWEJE
Tech. Officer: GRC/R J ACOSTA
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2390 **UNIV OF AKRON** **7718**
HIGH TEMPERATURE ADHESIVES AND STRUCTURAL RESINS HIGH TEMPERATURE ADHESIVES AND STRUCTURAL RESINS
04/12/2000 - 06/30/2001 FY02: $0 Total: $65,832
Prin. Invest.: F W HARRIS
Tech. Officer: GRC/C CHUANG
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2420 **UNIV OF AKRON** **7719**
A NEW FINITE ELEMENT FORMULATION ANALYSIS OF AEROS PACE STRUCTURES
05/11/2000 - 08/25/2003 FY02: $1 Total: $120,032
Prin. Invest.: S N PATNAIK
Tech. Officer: GRC/G R HALFORD
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2442 **UNIV OF AKRON** **7720**
STEREO IMAGING VELOCIMETRY OF MIXING DRIVEN BY BUOYANCY INDUCED FLOW FIELDS
05/23/2000 - 11/30/2003 FY02: $0 Total: $72,994
Prin. Invest.: C BATUR
Tech. Officer: GRC/W B DUVAL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2444 **UNIV OF AKRON** **7721**
NE OHIO URBAN GROWTH MONITORING AND MODELING PROTOTYPE
05/24/2000 - 09/30/2001 FY02: $0 Total: $105,000
Prin. Invest.: D SIEBERT
Tech. Officer: GRC/T M SCOTT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2494 **UNIV OF AKRON** **7722**
COMPRESSOR SURGE INCEPTION AND SURGE DISCRIMINATIO N FROM TIME SERIES
11/08/2000 - 04/27/2002 FY02: $0 Total: $44,519
Prin. Invest.: H K QAMMAR
Tech. Officer: GRC/M BRIGHT
CASE Category: 21 – MATHEMATICS

NAG 3 2512 **UNIV OF AKRON** **7723**
GRAVITATIONAL INFLUENCES ON FLAME PROPAGATION THRO UGH NON-UNIFORM PRE-MIXED GAS SYSTEMS
12/08/2000 - 11/30/2004 FY02: $0 Total: $16,688
Prin. Invest.: D PERRY
Tech. Officer: GRC/K R SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2537 **UNIV OF AKRON** **7724**
APPLICATION OF PERIODIC BOUNDARY CONDITIONS IN THE AEROACOUSTICS OF TURBOMACHINERY
02/08/2001 - 01/31/2004 FY02: $0 Total: $15,000
Prin. Invest.: S SAWYER
Tech. Officer: GRC/E ENVIA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2566 **UNIV OF AKRON** **7725**
INFRASTRUCTURE ADDITIONS FOR A PLYMER NATECHNOLOGYCENTER AT THE UNIV OF AKRON
03/16/2001 - 12/31/2002 FY02: $0 Total: $998,000
Prin. Invest.: F N KELLEY
Tech. Officer: GRC/M A MEADOR
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2572 **UNIV OF AKRON** **7726**
LOW MELT VISCOSITY RESINS FOR RESIN TRANSFER MOLDI NG
03/22/2001 - 01/31/2002 FY02: $0 Total: $44,637
Prin. Invest.: F W HARRIS
Tech. Officer: GRC/C CHUANG
CASE Category: 12 – CHEMISTRY

NAG 3 2632 **UNIV OF AKRON** **7727**
DEVELOPMENT OF AN OPTICAL REAL-TIME POLARIMETRIC I MAGING SYSTEM FOR AEROSPACE APPLICATIONS
06/07/2001 - 05/31/2002 FY02: $0 Total: $58,423
Prin. Invest.: G C GIAKOS
Tech. Officer: GRC/D NG
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 2777 **UNIV OF AKRON** **7728**
PERFORMANCE OF FORCE AND DISPLACEMENT METHODS IN T HE DESIGN OPTIMIZATION OF FLEXURAL STRUCTURES
05/06/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: S N PATNAIIK
Tech. Officer: GRC/G R HALFORD
CASE Category: 49 – ENGINEERING, OTHER

NCC 1 02002 **UNIV OF AKRON** **7729**
CYBER SIMULATION FOR COMPOSITE MATERIALS AND STRUCTURES IN AERONAUTICS AND AEROSPACE
12/05/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: B R PIPES
Tech. Officer: LARC/J H STARNES, JR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02003 **UNIV OF AKRON** **7730**
EXPERIMENTS AND MODELS FOR POLYMERIC MICROSPHERE FOAMS
12/18/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: R B PIPES
Tech. Officer: LARC/E S WEISER
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 2 1325 **UNIV OF AKRON** **7731**
LEXICAL ACCESS AND DUAL TASK PERFORMANCE DETERMINI NG THE LOCUS OF THE BOTTLENECK
03/13/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: P ALLEN
Tech. Officer: ARC/E RUTHRUFF, ARC/R W REMINGTON
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 3 567 **UNIV OF AKRON** **7732**
DETERMINATION OF OPTIMUM HEATING ZONE LENGTH & CON TROL TERMOCOUPLE PLACEMENT FOR GRIDGMAN CRYSTAL G
07/01/1997 - 07/31/2001 FY02: $0 Total: $38,997
Prin. Invest.: C BATUR
Tech. Officer: GRC/W B DUVAL
CASE Category: 46 – MECHANICAL ENGR

NCC 3 578 **UNIV OF AKRON** **7733**
ENHANCEMENTS TO NURBS-BASED FEA AIRFOIL MODLER-SAB ER
10/24/1997 - 11/30/2002 FY02: $0 Total: $238,076
Prin. Invest.: A F SALEEB, D A TROWBRIDGE
Tech. Officer: GRC/S A THORP
CASE Category: 46 – MECHANICAL ENGR

NCC 3 716 **UNIV OF AKRON** **7734**
THEORY, MODELING, SOFTWARE AND HARDWARE DEVELOPMEN T IN COMPUTATIONAL MATERIALS SCIENCE
06/25/1999 - 07/06/2003 FY02: $0 Total: $358,694
Prin. Invest.: G W YOUNG
Tech. Officer: GRC/A CHAIT
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 744 **UNIV OF AKRON** **7735**
DESIGN, PROGRESSIVE MODELING, MANUFACTURE, AND TES TING OF COMPOSITE SHIELD FOR TURBINE ENGINEBLADE
12/01/1999 - 11/17/2001 FY02: $0 Total: $363,515
Prin. Invest.: E SANCAKTAR
Tech. Officer: GRC/G D ROBERTS
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 752 **UNIV OF AKRON** **7736**
STUDIES ON STRESS-STRAIN RELATIONSHIPS OF POLYMERI C MATERIALS USED IN SPACE APPLICATIONS
12/28/1999 - 09/30/2001 FY02: $0 Total: $234,212
Prin. Invest.: S C JANA
Tech. Officer: GRC/A FREED
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 765 **UNIV OF AKRON** **7737**
DEVELOPMENT OF EFFICIENT NUMBERICAL ALGORITHMS FOR PREDIC-TION OF FAR-FIELD ACOUSTIC NOISE
02/07/2000 - 01/02/2002 FY02: $0 Total: $60,000
Prin. Invest.: K KREIDER
Tech. Officer: GRC/J SCOTT
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 768 **UNIV OF AKRON** **7738**
ADVANCED STRUCTURAL, IMPACT AND LIFE ANALYSES OF A EROSPACE COMPONENTS
02/02/2000 - 02/28/2003 FY02: $0 Total: $300,317
Prin. Invest.: V K ARYA
Tech. Officer: GRC/G R HALFORD
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 788 **UNIV OF AKRON** **7739**
DEFORMATION AND LIFE OR POLYMER MATRIX COMPOSITE (PMC) FLYWHEEL ROTORS
03/27/2000 - 08/28/2002 FY02: $0 Total: $96,932
Prin. Invest.: D F SALEEB
Tech. Officer: GRC/A ARNOLD
CASE Category: 46 – MECHANICAL ENGR

NCC 3 794 **UNIV OF AKRON** **7740**
HOMOPOLYROTAXANES AND HOMOPOLYROTAXAND NETWORKS OF PEO
04/20/2000 - 11/17/2002 FY02: $0 Total: $165,798
Prin. Invest.: C PUGH
Tech. Officer: GRC/M MEADOR
CASE Category: 12 – CHEMISTRY

NCC 3 802 **UNIV OF AKRON** **7741**
POLYMER SOLID ELECTROLYTES FOR RECHARGEABLE BATTER IES
05/23/2000 - 11/17/2002 FY02: $0 Total: $153,427
Prin. Invest.: F W HARRIS
Tech. Officer: GRC/M MEADOR
CASE Category: 12 – CHEMISTRY

NCC 3 808 **UNIV OF AKRON** **7742**
DEFECT DETECTION SCHEMES AND ALGORITHMIC DEVELOPME NT FOR LARGE-SCALE SIMULATIONS OF DAMAGING VISCO-
06/16/2000 - 03/14/2003 FY02: $0 Total: $397,000
Prin. Invest.: A F SALEEB
Tech. Officer: GRC/S M ARNOLD
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 820 **UNIV OF AKRON** **7743**
MODEL-BASED CONTROL OF BATTERIES AND FUEL CELLS FO R LONGER LIFE
08/09/2000 - 02/28/2002 FY02: $0 Total: $112,644
Prin. Invest.: D T HARTLEY
Tech. Officer: GRC/M MANZO
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 828 **UNIV OF AKRON** **7744**
RESEARCH AND DEVELOPMENT_OF IMPROVED RF SIGNAL SWI TCHING AND DISTRIBUTION TECHNIQUES IN CIVILAVIAT
09/29/2000 - 09/30/2001 FY02: $0 Total: $24,739
Prin. Invest.: O C UGWEJE
Tech. Officer: GRC/H NGUYEN
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 831 **UNIV OF AKRON** **7745**
DESIGN OPTIMIZATION OF STRUCTURAL PANELS WITH ANAL YSIS AP-PROXIMATORS AT THE SUBPROBLEM LEVEL
12/12/2000 - 11/30/2002 FY02: $0 Total: $86,804
Prin. Invest.: S N PATNAIK
Tech. Officer: GRC/D HOPKINS
CASE Category: 46 – MECHANICAL ENGR

NCC 3 839 **UNIV OF AKRON** **7746**
RESEARCH IN INNOVATIVE USE OF SMART MATERIALS IN P ROPULSION SYSTEM COMPONENTS-CONTROL AND EXPERIMEN
12/20/2000 - 12/31/2002 FY02: $0 Total: $68,662
Prin. Invest.: G SONG
Tech. Officer: GRC/H LEE
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 877 **UNIV OF AKRON** **7747**
HIGH TEMPERATURE FUEL CELLS
03/14/2001 - 03/05/2003 FY02: $0 Total: $164,334
Prin. Invest.: R K EBY
Tech. Officer: GRC/M A MEADOR
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 929 **UNIV OF AKRON** **7748**
NON-CONTRACTING PASSIVE-ADAPTIVE TURBINE FINGER SE AL DEVEL-OPMENT
01/03/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: M J BRAUN
Tech. Officer: GRC/M P PROCTOR
CASE Category: 46 – MECHANICAL ENGR

NCC 3 932 **UNIV OF AKRON** **7749**
FEA STUDY OF IMPACT-PENETRATION FOR LIGHTWEIGHT JE T ENGINE CONTAINMENT
12/28/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: W K BINIENDA
Tech. Officer: GRC/G D ROBERTS
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 968 **UNIV OF AKRON** **7750**
POLYIMIDE AND EPOXY BASED NANOCOMPOSITES WITH NANO FIBERS AND EXFOLIATED CLAY
05/31/2002 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: D H RENEKER
Tech. Officer: GRC/M A MEADOR
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 992 **UNIV OF AKRON** **7751**
EXTEND THE BASE CAPABILITIES OF "COMPARE" TO INCLU DE DAMAGE MODELING
07/30/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: A SALEEB
Tech. Officer: GRC/S M ARNOLD
CASE Category: 22 – COMPUTER SCIENCE

NCC 3 998 **UNIV OF AKRON** **7752**
MODEL-BASED CONTROL OF BATTERIES AND FUEL CELLS FO R LONGER LIFE
09/06/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: T T HARTLEY
Tech. Officer: GRC/T B MILLER
CASE Category: 45 – ELECTRICAL ENGR

NGT 3 52364 **UNIV OF AKRON** **7753**
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RE-SEARCH PROGRAM
06/13/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: D PERRY
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 12 – CHEMISTRY

NAG 2 1581 **UNIV OF CINCINNATI** **7754**
AIRCRAFT AND AIRSPACE MODELING APPROACHES TO CAPAC ITY EN-HANCEMENT IN AIR MANAGEMENT
09/20/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: G L SLATER
Tech. Officer: ARC/T J DAVIS, ARC/T FARLEY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2437 **UNIV OF CINCINNATI** **7755**
OHIOVIEW UNDERGRADUATE DISTANCE LEARNING PROTOTYPE OHIO-VIEW UNDERGRADUATE DISTANCE LEARNING PROTOTYP
05/22/2000 - 09/30/2001 FY02: $0 Total: $360,000
Prin. Invest.: D BECK
Tech. Officer: GRC/T SCOTT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2451 **UNIV OF CINCINNATI** **7756**
MICROSCOPIC FLOW VISUALIZATION IN DE-MIXING FLUIDS DURING POLY-MERIC MEMBRANE FORMATION IN LOW-G
06/01/2000 - 11/30/2003 FY02: $0 Total: $145,000
Prin. Invest.: W B KRANTZ
Tech. Officer: GRC/H C DEGROH
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2462 **UNIV OF CINCINNATI** **7757**
INTEGRATED ATOMIZER/SWIRLER FOR LEAN DIRECT INJECT ION COMBUSTION
06/14/2000 - 06/18/2003 FY02: $0 Total: $121,209
Prin. Invest.: S JENG
Tech. Officer: GRC/R R TACINA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2487 **UNIV OF CINCINNATI** **7758**
A SIMULATION STUDY OF SIGE HBTS FOR POWER APPLICAT IONS AT MICROWAVE FREQUENCIES
09/27/2000 - 09/07/2003 FY02: $0 Total: $97,839
Prin. Invest.: K P ROENKER
Tech. Officer: GRC/G E PONCHAK
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2669 **UNIV OF CINCINNATI** **7759**
EFFECTS OF EXIT BOUNDARY CONDITIONS ON PULSE DETON ATION ENGINE PERFORMANCE
11/30/2001 - 11/16/2004 FY02: $0 Total: $0
Prin. Invest.: E J GUTMARK
Tech. Officer: GRC/H D PERKINS
CASE Category: 46 – MECHANICAL ENGR

NAG 5 8986 **UNIV OF CINCINNATI** **7760**
ULTRA-HOT WINDS FROM DO WHITE DWARFS - FUSE
01/27/2000 - 01/31/2003 FY02: $0 Total: $10,600
Prin. Invest.: M L SITKO
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9418 **UNIV OF CINCINNATI** **7761**
ORDOVICIAN BIODIVERSITY: GEOGRAPHY AND ENVIRONMENT
04/11/2000 - 06/30/2003 FY02: $0 Total: $98,848
Prin. Invest.: A I MILLER
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9475 **UNIV OF CINCINNATI** **7762**
IR SPECTROSCOPY OF DUSTY PROTOSTELLAR DISKS
04/20/2000 - 04/30/2003 FY02: $0 Total: $120,000
Prin. Invest.: M SITKO
Tech. Officer: GSFC/J BOYCE
CASE Category: 13 – PHYSICS

NAG 5 10384 **UNIV OF CINCINNATI** **7763**
DYNAMICS AND CONTROL OF DISTRIBUTED SPACECRAFT.
02/07/2001 - 12/14/2002 FY02: $0 Total: $106,975
Prin. Invest.: T WILLIAMS
Tech. Officer: GSFC/D FOLTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11684 **UNIV OF CINCINNATI** **7764**
"A DIAGNOSTIC STUDY OF POSSIBLE ENHANCEMENT OF THE HYDROLOGIC CYCLE"
02/07/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: S ISLAM
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 3 01120 **UNIV OF CINCINNATI** **7765**
DEVELOPMENT OF AN INTEGRATED LOOP HEAT PIPE, USING COHERENT POROUS SILICON AS A WICK
03/21/2001 - 12/31/2002 FY02: $0 Total: $119,999
Prin. Invest.: T HENSERSON
Tech. Officer: GRC/E GOLLIHER
CASE Category: 46 – MECHANICAL ENGR

NAS 3 02113 **UNIV OF CINCINNATI** **7766**
NRA INTERGRATION OF PULSE DETONATION ENGINE (PDE) WITH AIRFRAME FOR POWER LIFT
04/15/2002 - 01/15/2003 FY02: $0 Total: $0
Prin. Invest.: E J GUTMARK
Tech. Officer: GRC/L S HULTGREN, GRC/D ERCEGOVIC
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 3 02130 **UNIV OF CINCINNATI** **7767**
NRA AWARD FOR STUDY "ADVANCED POROUS ACOUSTIC LINE FOR EFFECTIVE FAN AND TURBINE NOISE SUPPRESSION
04/16/2002 - 01/16/2003 FY02: $0 Total: $0
Prin. Invest.: E J GUTMARK
Tech. Officer: GRC/C QUINN, GRC/J E GRADY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1139 **UNIV OF CINCINNATI** **7768**
ADVANCED TRAJECTORY ANALYSIS WITH APPLICATION TO A IR TRAFFIC CONTROL
09/03/1999 - 07/31/2002 FY02: $0 Total: $102,612
Prin. Invest.: G L SLATER
Tech. Officer: ARC/T J DAVIS, ARC/D R ISAACSON
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 981 **UNIV OF CINCINNATI** **7769**
MARS EXTRA-VEHICULAR ACTIVITY (EVA) MARS EXTRA-VEHICULAR ACTIVITY (EVA)
07/17/2002 - 07/07/2004 FY02: $0 Total: $0
Prin. Invest.: R BECK
Tech. Officer: GRC/C T RAMOS
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 3 52383 **UNIV OF CINCINNATI** **7770**
GRADUATE STUDENT RESEARCHERS PROGRAM - NANOWIRES F OR PHOTOVOLTAIC AND NANOELECTRIC DEVICES
08/15/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: C BURDA
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 12 – CHEMISTRY

NGT 5 30108 **UNIV OF CINCINNATI** **7771**
SPACE-TIME CHARACTERIZATION OF REMOTELY SENSED SOI L MOISTURE
02/10/1998 - 09/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: S ISLAM
Tech. Officer: GSFC/G ASRAR
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30453 **UNIV OF CINCINNATI** **7772**
A DIAGNOSTIC STUDY OF A POSSIBLE ACCELERATION OF T HE HYDROLOGIC CYCLE. STUDENT: DAVID L. SMALL
08/20/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S ISLAM
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50265 UNIV OF CINCINNATI 7773
NEGATIVE REGULATION OF OSTEOCLASTOGENESIS BY ESTRO GENS VIA DIRECT ACTIONS ON HEMATOPOIETIC CELLS
07/07/1999 - 06/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: J W PIKE
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2318 UNIV OF DAYTON 7774
QUALITY OF SERVICE FOR REAL-TIME APPLICATIONS OVER NEXT GEN-ERATION DATA NETWORKS
02/09/2000 - 12/31/2000 FY02: $0 Total: $130,000
Prin. Invest.: M ATIQUZZAMAN
Tech. Officer: GRC/W D IVANCIC
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 9804 UNIV OF DAYTON 7775
STUDIES WITH SYNTHETIC INTERSTELLAR DIAMOND: RARE GAS INCOR-PORATION AND PHASE STABILITY
07/14/2000 - 07/14/2003 FY02: $0 Total: $60,000
Prin. Invest.: A PHELPS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9808 UNIV OF DAYTON 7776
FE-MG CARBONATES AS A MONITOR PHASE OF CARBON DIOX IDE AND OXYGEN FUGACITY ON MARS
07/17/2000 - 06/30/2003 FY02: $0 Total: $45,000
Prin. Invest.: A M KOZIOL
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAS 1 99148 UNIV OF DAYTON 7777
OPERATIONS AND MODELING ANALYSIS
09/27/1999 - 09/30/2003 FY02: $0 Total: $150,500
Prin. Invest.: C E EBELING
Tech. Officer: LARC/W D MORRIS
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 3 771 UNIV OF DAYTON 7778
A FERROELECTRIC TUNABLE PRE-SELECT FILTER/LNA HYBR ID CIRCUIT WITH A VOLTAGE CONTROLLABLE IMPEDANCE
02/10/2000 - 11/08/2001 FY02: $0 Total: $30,000
Prin. Invest.: G SUBRAMANYAM
Tech. Officer: GRC/F MIRANDA
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 882 UNIV OF DAYTON 7779
DESIGN OF FREQUENCY AGILE COMPONENTS USING PATTERN ED FER-ROELECTRIC FILMS FOR K- AND KA-BAND APPLICA
04/18/2001 - 12/04/2001 FY02: $0 Total: $22,633
Prin. Invest.: G SUBRAMANYAN
Tech. Officer: GRC/F A MIRANDA
CASE Category: 45 – ELECTRICAL ENGR

NGT 3 52351 UNIV OF DAYTON 7780
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RE-SEARCH PROGRAM
06/23/1999 - 07/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: V JAIN
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2244 UNIV OF TOLEDO 7781
DEV DYNAM CONFIGBLE OBJ-ORIENTED FRAMEWORK FOR DIS TRIB'D MULTI-MODAL COMPUTAT'L AEROSP SYS SIMULAT
09/23/1999 - 08/31/2002 FY02: $0 Total: $207,104
Prin. Invest.: A AETEH, V A REED
Tech. Officer: LARC/W K GERDES
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2269 UNIV OF TOLEDO 7782
DEVELOPMENT OF NOVEL METHODS FOR THE REDUCTION OF NOISE AND WEIGHT IN HELICOPTER TRANSMISSIONS
06/29/1999 - 06/30/2002 FY02: $0 Total: $320,052
Prin. Invest.: T G KEITH
Tech. Officer: GRC/T L KRANTZ
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2338 UNIV OF TOLEDO 7783
CHEMISTRY OF AVIATION FUELS CHEMISTRY OF AVIATION FUELS
02/23/2000 - 12/31/2002 FY02: $0 Total: $289,414
Prin. Invest.: K L DEWITT
Tech. Officer: GRC/M RABINOWITZ
CASE Category: 43 – CHEMICAL ENGR

NAG 3 2408 UNIV OF TOLEDO 7784
INVESTIGATION OF PRESSURIZED WAVE BEARING INVESTIGATION OF PRESSURIZED WAVE BEARING
05/01/2000 - 12/31/2002 FY02: $0 Total: $76,138
Prin. Invest.: T G KEITH
Tech. Officer: GRC/D P FLEMING
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2409 UNIV OF TOLEDO 7785
DISSEMINATION OF REMOTE SENSING TECHNOLOGY IN NORT HWEST OHIO THROUGH EDUCATIONAL AND COMM OUTR
05/04/2000 - 09/30/2001 FY02: $0 Total: $105,000
Prin. Invest.: D P CZAJKOWSKI
Tech. Officer: GRC/T M SCOTT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 3 2502 UNIV OF TOLEDO 7786
DEVELOPMENT OF COMPUTATIONAL AEROACOUSTICS CODE FO R JET AND FAN NOISE AND FLOW PREDICTION
11/07/2000 - 10/31/2002 FY02: $0 Total: $129,682
Prin. Invest.: T G KEITH
Tech. Officer: GRC/E ENVIA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2505 UNIV OF TOLEDO 7787
CFD SIMULATION OF CASING TREATMENT OF AXIAL FLOW C OMPRES-SORS
11/13/2000 - 11/12/2002 FY02: $0 Total: $134,650
Prin. Invest.: T G KEITH
Tech. Officer: GRC/J ADMACZYK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2507 UNIV OF TOLEDO 7788
DEVELOPMENT OF ADVANCED CASING TREATMENTS FOR FLOW CON-TROL
11/20/2000 - 11/05/2001 FY02: $0 Total: $119,190
Prin. Invest.: T G KEITH,JR.
Tech. Officer: GRC/M D HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2508 UNIV OF TOLEDO 7789
ESTABLISHMENT OF A DATA EXCHANGE MECHANISM FOR ZOO MING IN THE NPSS ARCHITECTURE
11/29/2000 - 11/15/2001 FY02: $0 Total: $60,014
Prin. Invest.: A A AFJEH
Tech. Officer: GRC/G J FOLLEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2565 UNIV OF TOLEDO 7790
CRYOGENIC NANOELECTRONICS FOR SPACE BORNE POWER SYSTEMS
03/14/2001 - 03/14/2003 FY02: $0 Total: $22,293
Prin. Invest.: V J KAPOOR
Tech. Officer: GRC/R L PATTERSON
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2594 UNIV OF TOLEDO 7791
SIMULATION OF COORDINATED STATELITE OPERATION
04/17/2001 - 04/02/2004 FY02: $0 Total: $49,999
Prin. Invest.: D D JOHNSON
Tech. Officer: GRC/J D STEGEMAN
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2641 UNIV OF TOLEDO 7792
INVESTIGATION OF DYNAMIC FORCE/VIBRATION TRANSMISS ION CHARACTERISTICS OF FOUR-SQUARE TYPE GEAR DURA
07/16/2001 - 03/31/2002 FY02: $0 Total: $31,295
Prin. Invest.: A KAHRAMAN
Tech. Officer: GRC/R HANDSCHUH
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2646 UNIV OF TOLEDO 7793
ADVANCED CONCEPTS RESEARCH FOR FLYWHEEL TECHNOLOGY APPLICATIONS
08/30/2001 - 05/08/2003 FY02: $0 Total: $49,999
Prin. Invest.: T G KEITH
Tech. Officer: GRC/R F BEACH
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2673 UNIV OF TOLEDO 7794
REVIEW OF NASA-GLENN COMPRESSOR RESEARCH REVIEW OF NASA-GLENN COMPRESSOR RESEARCH
12/11/2001 - 06/30/2002 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/A J STRAZISAR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2674 UNIV OF TOLEDO 7795
SULFUR OXIDATION AND CONTRAIL PRECURSOR CHEMISTRY SULFUR OXIDATION AND CONTRAIL PRECURSOR CHEMISTRY
12/14/2001 - 10/14/2004 FY02: $0 Total: $0
Prin. Invest.: K DEWITT
Tech. Officer: GRC/M J RABINOWITZ
CASE Category: 12 – CHEMISTRY

NAG 3 2756 UNIV OF TOLEDO 7796
RESEARCH INITIATIVES INVOLVING ADVANCED ELECTRO ME CHANICAL COMPONENTS
03/28/2002 - 03/20/2003 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/A F KASCAK
CASE Category: 46 – MECHANICAL ENGR

NAG 5 3248 UNIV OF TOLEDO 7797
THE EFFECT OF ROTATION ON STELLAR WINDS: ASYMMETRI ES AND BIPOLAR STRUCTURES IN CIRCUMS
10/09/1996 - 08/31/2001 FY02: $0 Total: $400,000
Prin. Invest.: J E BJORKMAN
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 4338 UNIV OF TOLEDO 7798
NEAR-IR EMISSION AND ABSORPTION CHARACTERISTICS OF MANTLE MATERIALS
04/21/1997 - 03/31/2001 FY02: $0 Total: $156,000
Prin. Invest.: D N WITT
Tech. Officer: GSFC/H THRONSON
CASE Category: 11 – ASTRONOMY

NAG 5 4957 UNIV OF TOLEDO 7799
THE EVOLUTION OF INTERSTELLAR GAS - MASSIVE STARS
06/27/1997 - 06/30/2003 FY02: $0 Total: $420,154
Prin. Invest.: S R FEDERMAN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6624 UNIV OF TOLEDO 7800
MAPPING THE DIFFUSE GALACTIC LIGHT AND EXTENED RED EMISSION WITH PIONEER10 AND 11
11/20/1997 - 12/31/2000 FY02: $0 Total: $103,052
Prin. Invest.: A WITT
Tech. Officer: GSFC/J LING
CASE Category: 11 – ASTRONOMY

NAG 5 7754 UNIV OF TOLEDO 7801
OSCILLATOR STRENGTHS FOR ULTRAVIOLET ATOMIC AND MO LECULAR TRANSITIONS
11/25/1998 - 06/30/2001 FY02: $0 Total: $117,462
Prin. Invest.: S R FEDERMAN
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 8052 UNIV OF TOLEDO 7802
TERRESTRIAL ENVIRONMENT VARIABLES DERIVED FROM EOS PLATFORM SENSORS
01/15/1999 - 01/31/2002 FY02: $0 Total: $156,377
Prin. Invest.: K P CZAJKOWSKI
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8054 UNIV OF TOLEDO 7803
CIRCUMSTELLAR ENVIRONMENTS OF HIGH- AND INTERMEDIA TE-MASS STARS: FROM THE PRE-MAIN-SEQUENCE TO LB
01/19/1999 - 01/14/2004 FY02: $0 Total: $286,188
Prin. Invest.: K S BJORKMAN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8183 UNIV OF TOLEDO 7804
DUST AND CONDENSATE CLOUDS IN THE MARTIAN POLAR RE GIONS
02/16/1999 - 08/31/2003 FY02: $0 Total: $178,600
Prin. Invest.: P B JAMES
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8671 **UNIV OF TOLEDO** **7805**
USE OF THERMAL INFRARED SATELLITE DATA IN CLIMATE CHANGE STUDIES
07/08/1999 - 07/14/2003 FY02: $0 Total: $334,317
Prin. Invest.: K P CZAJKOWSKI
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8794 **UNIV OF TOLEDO** **7806**
THE GEOMETRY AND EVOLUTION OF LOW-MASS STAR FORMAT ION (ATP 98)
09/07/1999 - 09/14/2003 FY02: $0 Total: $61,782
Prin. Invest.: J E BJORKMAN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8961 **UNIV OF TOLEDO** **7807**
MOLECULAR HYDROGEN EXCITATION IN PHOTODISSOCIATION REGIONS - FUSE
01/21/2000 - 10/31/2001 FY02: $0 Total: $74,200
Prin. Invest.: S R FEDERMAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9202 **UNIV OF TOLEDO** **7808**
MOVING BEYOND THE STANDARD PARADIGM: THE IMPORTANC E OF INTERSTELLAR DUST FROM THE MILKY WAY TO HIGH
03/14/2000 - 03/14/2003 FY02: $0 Total: $65,858
Prin. Invest.: A WITT
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9376 **UNIV OF TOLEDO** **7809**
INTERSTELLAR DUST IN GALAXIES (LTSA - 99)
04/11/2000 - 04/14/2005 FY02: $0 Total: $187,113
Prin. Invest.: A N WITT
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10305 **UNIV OF TOLEDO** **7810**
EFFECTS OF STAR FORMATION & STELLAR DEATH ON INTER STELLAR GAS ASSOCIATED WITH CEP OB2 (FUSE00)
01/29/2001 - 01/31/2003 FY02: $0 Total: $36,800
Prin. Invest.: S R FEDERMAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11440 **UNIV OF TOLEDO** **7811**
OSCILLATOR STRENGTHS FOR ULTRAVIOLET ATOMIC AND MOLECULAR TRANSITIONS
12/04/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: S R FEDERMAN
Tech. Officer: GSFC/H HASAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12186 **UNIV OF TOLEDO** **7812**
CONDENSATES AND DUST IN THE POLAR REGIONS OF MARS: MOC WIDE ANGLE DATA
05/13/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: P JAMES
Tech. Officer: GSFC/J BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12320 **UNIV OF TOLEDO** **7813**
MASS LOSS IN DENEB (FUSE 2001)
08/06/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: N D MORRISON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 8 1380 **UNIV OF TOLEDO** **7814**
FOR RESEARCH ENTITLED ″SEARCHING FOR THE BEST PROTEIN CRYS-TALS″
06/19/1997 - 07/31/2001 FY02: $0 Total: $604,995
Prin. Invest.: G BORGOTAHL
Tech. Officer: MSFC/B GUYNES, MSFC/J MAYO
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1578 **UNIV OF TOLEDO** **7815**
INFLUENCE OF IMPURITIES ON PROTEIN CRYSTAL GROWTH
01/28/1999 - 11/30/2002 FY02: $0 Total: $307,600
Prin. Invest.: C A SCHALL
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1825 **UNIV OF TOLEDO** **7816**
SEARCHING FOR THE BEST PROTEIN CRYSTALS; INTE- GRATION OF SYNCHRONTRON-BASED CRYSTAL MEASUREMENTS
08/29/2001 - 11/30/2004 FY02: $0 Total: $101,000
Prin. Invest.: G E BORGSTAHL
Tech. Officer: MSFC/B GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1838 **UNIV OF TOLEDO** **7817**
OPTIMIZATION OF CRYOGENIC COOLING OF PROTEIN CRYSTALS
10/04/2001 - 11/30/2004 FY02: $87,000 Total: $87,000
Prin. Invest.: C SCHALL
Tech. Officer: MSFC/B GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 3 01116 **UNIV OF TOLEDO** **7818**
AEROELASTIC MODELING AND ANALYSIS OF UEET FAN AND COMPRESSOR DESIGN
06/18/2001 - 09/18/2004 FY02: $0 Total: $55,000
Prin. Invest.: T KEITH
Tech. Officer: GRC/J MINNS
CASE Category: 46 – MECHANICAL ENGR

NCC 3 524 **UNIV OF TOLEDO** **7819**
COMPUTATIONAL SIMULATION OF COMPOSITE BEHAVIOR
12/26/1996 - 12/11/2002 FY02: $0 Total: $585,527
Prin. Invest.: T G KEITH
Tech. Officer: GRC/P MURTHY
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 527 **UNIV OF TOLEDO** **7820**
AEROELASTIC ANALYSIS FOR AEROPROPULSION APPLICATIO NS
12/26/1996 - 06/30/2001 FY02: $0 Total: $234,068
Prin. Invest.: T G KEITH, JR.
Tech. Officer: GRC/O MEHMED, GRC/G L STEFKO
CASE Category: 46 – MECHANICAL ENGR

NCC 3 605 **UNIV OF TOLEDO** **7821**
AEROELASTIC STABILITY AND RESPONSE OF ROTATING STR UCTURES
04/03/1998 - 12/31/2002 FY02: $0 Total: $403,759
Prin. Invest.: T KEITH
Tech. Officer: GRC/O MEHMED
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 717 **UNIV OF TOLEDO** **7822**
MULTI-STAGE AEROELASTIC ANALYSIS FOR PROPULSION MULTI-STAGE AEROELASTIC ANALYSIS FOR PROPULSION
06/29/1999 - 11/19/2001 FY02: $0 Total: $127,731
Prin. Invest.: T G KEITH,JR.
Tech. Officer: GRC/O MEHMED
CASE Category: 46 – MECHANICAL ENGR

NCC 3 719 **UNIV OF TOLEDO** **7823**
CENTRIFUGAL COMPRESSOR AEROELASTIC ANALYSIS CODEE CENTRIFUGAL COMPRESSOR AEROELASTIC ANALYSISCODEE
06/24/1999 - 02/15/2002 FY02: $0 Total: $168,729
Prin. Invest.: T G KEITH
Tech. Officer: GRC/D C JANETZKE
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 774 **UNIV OF TOLEDO** **7824**
ACTIVE CONTROL ANALYSIS FOR AEROELASTIC INSTABILIT IES IN TURBOMACHINES
02/14/2000 - 11/01/2001 FY02: $0 Total: $115,916
Prin. Invest.: T KEITH
Tech. Officer: GRC/D JANETZKE
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 855 **UNIV OF TOLEDO** **7825**
NEXT GENERATION OF HALL THRUSTERS FOR SPACE PROPULSION
01/25/2001 - 10/18/2002 FY02: $0 Total: $147,162
Prin. Invest.: T G KEITH
Tech. Officer: GRC/D REDDY
CASE Category: 13 – PHYSICS

NCC 3 881 **UNIV OF TOLEDO** **7826**
MICROWAVE LOW NOISE AMPLIFIER USING SILICON GERMAN IUM NANOTECHNOLOGY
03/26/2001 - 10/15/2003 FY02: $0 Total: $79,632
Prin. Invest.: V J KAPOOR
Tech. Officer: GRC/G E PONCHAK
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 907 **UNIV OF TOLEDO** **7827**
NOVEL DAMPING CONCEPTS FOR MECHANICAL BACKUP BEARI NGS AND PASSIVE MAGNETICALLY SUSPENDED ROTORS
08/02/2001 - 10/31/2002 FY02: $0 Total: $35,000
Prin. Invest.: T G KEITH
Tech. Officer: GRC/K MCLALLIN
CASE Category: 46 – MECHANICAL ENGR

NCC 3 916 **UNIV OF TOLEDO** **7828**
TECHNOLOGY VALIDATION AND RISK REDUCTION RESEARCH FOR FLYWHEEL TECHNOLOGY
09/20/2001 - 01/31/2003 FY02: $0 Total: $43,122
Prin. Invest.: T G KEITH
Tech. Officer: GRC/R BEACH
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 922 **UNIV OF TOLEDO** **7829**
ANALYSIS AND OPTIMIZATION OF MXING ENHANCEMENT DEVICES
10/25/2001 - 10/22/2002 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/N J GEORGIADIS
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 923 **UNIV OF TOLEDO** **7830**
TURBOMACHINERY HEAT TRANSFER AND LOSS MODELING FOR 3D NAVIER-STOKES CODES
11/29/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/R E GAUGLER
CASE Category: 46 – MECHANICAL ENGR

NCC 3 924 **UNIV OF TOLEDO** **7831**
RESEARCH IN CONTROLS FOR FLYWHEEL TECHNOLOGY APPLI CATIONS
12/10/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/F R BEACH
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 925 **UNIV OF TOLEDO** **7832**
VALIDATION AND ENHANCEMENT OF COMPREHENSIVE COMBUS TION MODELING AND SIMULATION
12/10/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/N LIU
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 926 **UNIV OF TOLEDO** **7833**
TURBINE INTERNAL AND FILM COOLING MODELING FOR 3D NAVIER-STOKES CODES
12/10/2001 - 12/05/2002 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/R E GAUGLER
CASE Category: 46 – MECHANICAL ENGR

NCC 3 943 **UNIV OF TOLEDO** **7834**
DYNAMIC ENGINE SIMULATOR RIG USING MAGNETIC BEARIN GS
03/12/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/G MONTAGUE
CASE Category: 46 – MECHANICAL ENGR

NCC 3 954 **UNIV OF TOLEDO** **7835**
EXPERIMENTAL STUDY OF TRACTION DRIVES EXPERIMENTAL STUDY OF TRACTION DRIVES
04/16/2002 - 04/02/2003 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/W MORALES
CASE Category: 46 – MECHANICAL ENGR

NCC 3 995 **UNIV OF TOLEDO** **7836**
MICROSTRUCTURAL ANALYSIS OF ADVANCED TURBINE MATER IALS
08/15/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: T G KEITH
Tech. Officer: GRC/M V NATHAL
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 3 52342 **UNIV OF TOLEDO** **7837**
MICROMACHINED CANTILEVERED TRANSMISSION LINE SWITC HES FOR MICROWAVE APPLICATIONS
07/18/1998 - 10/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: D J KAPOOR
Tech. Officer: GRC/D MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 3 52375 **UNIV OF TOLEDO** **7838**
GRADUATE STUDENT RESEARCH
06/07/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: V J KAPOOR
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2301 **WILBERFORCE UNIV** **7839**
STUDENT OUTREACH WITH RENEWABLE ENERGY TECHNOLOGY (SORET) CONSORTIUM
11/05/1999 - 10/28/2002 FY02: $0 Total: $599,915
Prin. Invest.: D R BUFFINGER
Tech. Officer: GRC/A F HEPP
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1237 **WRIGHT STATE UNIV** **7840**
ROLES FOR TECHNOLOGY IN THE FACILITATION OF DISTRU BUTED WORK IN COMPLEX DYNAMIC DOMAINS
07/16/1998 - 10/31/2000 FY02: $0 Total: $142,295
Prin. Invest.: V L SHALIN
Tech. Officer: ARC/W J CLANCEY
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1529 **WRIGHT STATE UNIV** **7841**
HUMAN CENTERED SUPPORT FOR TELERAOBOTIC PLANETARY EXPLORATION II
11/19/2001 - 11/14/2002 FY02: $0 Total: $0
Prin. Invest.: V L SHALIN
Tech. Officer: ARC/J TRIMBLE
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2637 **WRIGHT STATE UNIV** **7842**
DEFECTS IN AIGAN/GAN HEMT DEVICES DEFECTS IN AIGAN/GAN HEMT DEVICES
06/18/2001 - 06/30/2002 FY02: $0 Total: $119,269
Prin. Invest.: D C LOOK
Tech. Officer: GRC/J FREEMAN
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 4188 **WRIGHT STATE UNIV** **7843**
MODEL STUDIES OF EXCITED STATES OF N2 AND N2+ IN T IONOSPHERE
03/27/1997 - 03/31/2003 FY02: $0 Total: $209,608
Prin. Invest.: D L FOX
Tech. Officer: GSFC/M M MELLOTT, SR
CASE Category: 13 – PHYSICS

NCC 2 1203 **WRIGHT STATE UNIV** **7844**
ROLES FOR TECHNOLOGY IN THE FACILITATION OF DISTRI BUTED WORK IN COMPLEX DYNAMIC DOMAINS
09/15/2000 - 02/14/2003 FY02: $0 Total: $122,261
Prin. Invest.: V L SHALIN
Tech. Officer: ARC/W J CLANCEY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1351 **WRIGHT STATE UNIV** **7845**
ROLES FOR TECHNOLOGY IN THE FACILITATION OF DISTRI BUTED WORK IN COMPLEX DYNAMIC DOMAINS AN ANALYSIS
06/25/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: V SHALIN
Tech. Officer: ARC/J ORASANU, ARC/M CONNORS
CASE Category: 74 – LINGUISTICS

NGT 5 30091 **WRIGHT STATE UNIV** **7846**
AEROSPACE MEDICINE TRAINING PROGRAM
09/11/1997 - 12/30/2001 FY02: $0 Total: $2,058,212
Prin. Invest.: S R MOHLER
Tech. Officer: GSFC/R J WILLIAMS
CASE Category: 59 – LIFE SCIENCE, OTHER

NGT 5 30428 **WRIGHT STATE UNIV** **7847**
"CENTURY 21'VISION: NASA TRAINING BY THE RESIDENCY IN AEROSPACE MEIDICINE"
04/26/2002 - 12/31/2006 FY02: $0 Total: $0
Prin. Invest.: S MOHLER
Tech. Officer: GSFC/R S WILLIAMS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

OKLAHOMA

NAG 1 02016 **OKLAHOMA STATE UNIV** **7848**
MODELING INTERACTION BETW PERMEABILITY & DAMAGE IN PMC LAMINATES FOR THE NASA REUSABLE LAUNCH VEH
12/11/2001 - 12/10/2004 FY02: $0 Total: $0
Prin. Invest.: S ROY
Tech. Officer: LARC/T S GATES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 1852 **OKLAHOMA STATE UNIV** **7849**
STUDIES OF PARTICLES SEDIMENTATION BY NOVEL SCATTE RING TECHHNIQUE
05/01/1996 - 04/30/2002 FY02: $0 Total: $399,992
Prin. Invest.: O TONG, B ACKERSON
Tech. Officer: GRC/B SINGH
CASE Category: 13 – PHYSICS

NAG 3 2780 **OKLAHOMA STATE UNIV** **7850**
CHARACTERIZATION OF ENVIRONMENTAL DURABILITY OF PO LYMER MATRIX COMPOSITE
05/24/2002 - 06/23/2003 FY02: $0 Total: $0
Prin. Invest.: S ROY
Tech. Officer: LARC/M A MEADOR
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 4 216 **OKLAHOMA STATE UNIV** **7851**
CFD-BASED AEROSERVOELASTIC AND FLIGHT DYNAMICS ANA LYSIS OF A FLIGHT RESEARCH VEHICLE
01/11/2001 - 11/30/2001 FY02: $0 Total: $59,995
Prin. Invest.: D S ARENA
Tech. Officer: DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 7451 **OKLAHOMA STATE UNIV** **7852**
TERRESTRIAL ENVIRONMENTAL VARIABLES DERIVED FROM E OS PLATFORM SENSORS
07/09/1998 - 12/31/2001 FY02: $0 Total: $47,226
Prin. Invest.: S J STADLER
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1159 **OKLAHOMA STATE UNIV** **7853**
ROLE OF VITAMIN E IN PREVENTING BOND DAMAGE
09/29/1999 - 06/30/2001 FY02: $0 Total: $206,262
Prin. Invest.: B J STOECKER
Tech. Officer: JSC/C W LLOYD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1332 OKLAHOMA STATE UNIV 7854
MONOLITHIC INTERGRATED RADIATION_SENSOR USING STIMULATED LUMINESCENSE FROM ALUMINA
07/17/2001 - 07/13/2004 FY02: $0 Total: $468,398
Prin. Invest.: S MCKEEVER
Tech. Officer: JSC/M GOLIGHTLY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 903 OKLAHOMA STATE UNIV 7855
INFRARED AVIONICS SIGNAL DISTRIBUTION: (PHASE 2: EXPERIMENT SETUP AND VERIFICATION)
07/13/2001 - 07/19/2002 FY02: $0 Total: $29,882
Prin. Invest.: M ATIQUZZAMAN
Tech. Officer: GRC/D NGO
CASE Category: 45 – ELECTRICAL ENGR

NCC 5 185 OKLAHOMA STATE UNIV 7856
TEACHING FROM SPACE PROGRAM
04/03/1997 - 01/31/2002 FY02: $0 Total: $3,984,243
Prin. Invest.: S K MARKS
Tech. Officer: GSFC/L L BILBROUGH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 561 OKLAHOMA STATE UNIV 7857
AEROSPACE EDUCATION SERVICES PROGRAM
06/28/2001 - 05/31/2006 FY02: $0 Total: $3,000,000
Prin. Invest.: T COLLINS
Tech. Officer: GSFC/L BILLBROUGH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 629 OKLAHOMA STATE UNIV 7858
TEACHING FROM SPACE
02/27/2002 - 01/31/2007 FY02: $0 Total: $0
Prin. Invest.: S MARKS
Tech. Officer: GSFC/L BILBROUGH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC13 02002 OKLAHOMA STATE UNIV 7859
FIELD TESTING OF A SENSOR-BASED APPLICATOR FOR NITROGEN AND PHOSPHORUS FERTILIZATION
01/25/2002 - 12/28/2004 FY02: $0 Total: $0
Prin. Invest.: G JOHSON
Tech. Officer: SSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 4 52412 OKLAHOMA STATE UNIV 7860
AEROSEROELASTIC AND FLIGHT DYNAMICS
05/12/1999 - 06/30/2002 FY02: $0 Total: $44,000
Prin. Invest.: A ARENA
Tech. Officer: DFRC/K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 4 52425 OKLAHOMA STATE UNIV 7861
(GSRP) OPEN PORT STABILIZED SENSOR SYSTEM AEROSERV OELASTIC PREDICTION WITH COMPARISONS TO FLIGHT TE
07/16/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: D S ARENA
Tech. Officer: DFRC/K K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 50420 OKLAHOMA STATE UNIV 7862
TECHNIQUES AND INSTRUMENTS FOR IN-SITU DATING OF M ARTIAN SEDIMENTS STUDENT: MICHAEL BLAIR
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: S MCKEEVERS
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7378 ORAL ROBERTS UNIV 7863
EXPERIMENTAL APPARATUS TO TEST THE STABILITY OF SP INNING SPACECRAFT UNDER THRUST
05/06/1998 - 05/14/2001 FY02: $0 Total: $48,000
Prin. Invest.: D HALSMER
Tech. Officer: GSFC/R HARMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1427 UNIV OF OKLAHOMA - NORMAN 7864
EFFECT OF HYPERGRAVITY, VIBRATION, & RADIATION ON GENETIC & DEVELOPMENTAL STABILITY IN DROSOPHILIA..
08/03/2000 - 07/31/2003 FY02: $0 Total: $511,604
Prin. Invest.: J T THOMPSON,JR
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2388 UNIV OF OKLAHOMA - NORMAN 7865
GRAVITATIONAL EFFECTS ON FLOW INSTABILITY AND TRAN SITION IN LOW DENSITY JETS
04/10/2000 - 11/30/2003 FY02: $0 Total: $140,250
Prin. Invest.: A K AGRAWAI
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2528 UNIV OF OKLAHOMA - NORMAN 7866
SCTP OVER LONG BANDWIDTH DELAY PRODUCT NETWORKS
01/22/2001 - 06/30/2002 FY02: $0 Total: $75,243
Prin. Invest.: D ATIQUZZAMAN
Tech. Officer: GRC/W D IVANCIC
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 3505 UNIV OF OKLAHOMA - NORMAN 7867
MULTIWAVELENGTH STUDIES OF SUPERNOVAE
11/25/1996 - 09/30/2002 FY02: $0 Total: $250,000
Prin. Invest.: E A BARON
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 9165 UNIV OF OKLAHOMA - NORMAN 7868
COMPREHENSIVE SUPERNOVA SPECTROSCOPY - ADP - 99
03/31/2000 - 03/31/2002 FY02: $0 Total: $90,000
Prin. Invest.: D BRANCH
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9745 UNIV OF OKLAHOMA - NORMAN 7869
X-RAY SPECTRAL & VARIABILITY STUDIES OF AGN ADP 99
06/29/2000 - 08/14/2002 FY02: $0 Total: $50,440
Prin. Invest.: K M LEIGHLY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9991 UNIV OF OKLAHOMA - NORMAN 7870
NGC 6300: A NEW, BRIGHT, COMPTON-THICK SEYFERT 2 GALAXY
09/14/2000 - 08/31/2002 FY02: $0 Total: $25,433
Prin. Invest.: K M LEIGHLY
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10048 UNIV OF OKLAHOMA - NORMAN 7871
FAR UV SPECTROSCOPY OF NARROW-LINE SEYFERT 1 GALAXY RE 1034+39
10/04/2000 - 08/15/2002 FY02: $0 Total: $35,500
Prin. Invest.: K LEIGHLY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 10171 UNIV OF OKLAHOMA - NORMAN 7872
NARROW-LINE SEYFERT 1 GALAXIES (LTSA 98)
12/18/2000 - 03/31/2004 FY02: $0 Total: $83,240
Prin. Invest.: K M LEIGHLY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10366 UNIV OF OKLAHOMA - NORMAN 7873
WIND EMISSION IN NARROW-LINE SEYFERT 1 GALAXIES (FUSE 00)
02/05/2001 - 02/14/2003 FY02: $0 Total: $70,000
Prin. Invest.: K M LEIGHLY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12127 UNIV OF OKLAHOMA - NORMAN 7874
RADIATIVE TRANSFER IN 3-D MOVING FLOWS: UNDERSTAND ING STARS, SUPERNOVAE, AND COSMOLOGY
04/29/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: E BARON
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 9 1280 UNIV OF OKLAHOMA - NORMAN 7875
INTEGRATED CREW PERFORMANCE ASSESMENT AND TRAIING
02/02/2001 - 12/31/2003 FY02: $0 Total: $143,759
Prin. Invest.: R SCHLEGEL
Tech. Officer: JSC/B WOOLFORD
CASE Category: 56 – MEDICL

NCC 2 1355 UNIV OF OKLAHOMA - NORMAN 7876
GENETIC AND DEVLOPMENTAL STABILITY IN RESPONSE TO LONG TERM EXPOSURE OF DROSOPHILAMELANOGASTER TO A
07/29/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: J N THOMPSON
Tech. Officer: ARC/D REISS-BUBENHEIM
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5382 UNIV OF OKLAHOMA - NORMAN 7877
MINERALS & SUBMICROMETER FORMS AS BIOSIGNATURES
05/16/2000 - 05/14/2002 FY02: $0 Total: $30,000
Prin. Invest.: R D ELMORE
Tech. Officer: ARC/D BLAKE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 3 787 UNIV OF OKLAHOMA - NORMAN 7878
INSTABILITY AND BREAKUP OF GAS JETS INJECTED IN CO FLOWING LIQUIDS
03/28/2000 - 11/30/2003 FY02: $0 Total: $125,000
Prin. Invest.: D N PARTHASAEATHY
Tech. Officer: GRC/J B MCQUILLEN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 791 UNIV OF OKLAHOMA - NORMAN 7879
ENHANCEMENT OF MICROGRAVITY FIBER IMPREGNATION USI NG ELECTROHYDYNAMIC INDUCTION PUMPING
04/11/2000 - 05/31/2001 FY02: $0 Total: $44,997
Prin. Invest.: D C LAI
Tech. Officer: GRC/H C DEGROH
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 171 UNIV OF OKLAHOMA - NORMAN 7880
TO SUPPORT RESEARCH UNDER THE EXPERIMENTAL PROGRAM COMPETITIVE RESEARCH
12/16/1996 - 05/14/2002 FY02: $0 Total: $2,500,000
Prin. Invest.: V DUCA-SNOWDEN
Tech. Officer: GSFC/J DASCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 398 UNIV OF OKLAHOMA - NORMAN 7881
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/14/1999 - 09/30/2001 FY02: $0 Total: $448,800
Prin. Invest.: V DUCA-SNOWDEN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 586 UNIV OF OKLAHOMA - NORMAN 7882
OKLAHOMA NASA/EPSCOR PROGRAM
08/31/2001 - 08/31/2005 FY02: $0 Total: $310,813
Prin. Invest.: V DUCA-SNOWDEN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30151 UNIV OF OKLAHOMA - NORMAN 7883
INVESTIGATION OF LAND-ATMOSPHERE INTERACTIONS USIN G THE OKLAHOMA MESONET/NASA EARTH SCIENCE
09/01/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: K CRAFWORD
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40013 UNIV OF OKLAHOMA - NORMAN 7884
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
01/30/1997 - 02/28/2001 FY02: $0 Total: $807,500
Prin. Invest.: V DUCA-SNOWDEN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40111 UNIV OF OKLAHOMA - NORMAN 7885
OKLAHOMA SPACE GRANT COLL & FELLOWSHIP PROGRAM
03/06/2001 - 02/28/2005 FY02: $0 Total: $212,500
Prin. Invest.: V DUCA-SNOWDEN
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

OREGON

NCC 2 1190 OREGON GRADUATE INST OF SCIENCE & TECHNOLGY 7886
IMPLEMENTATION OF SENSOR FUSION ALGORITHMS IN MATL AB
07/25/2000 - 03/31/2001 FY02: $0 Total: $30,000
Prin. Invest.: M PAVEL
Tech. Officer: ARC/A J AHUMADA
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1215 OREGON GRADUATE INST OF SCIENCE & TECHNOLGY 7887
HUMAN ERROR MODELING - PROCESS & EVALUATION
03/05/2001 - 10/31/2001 FY02: $0 Total: $70,112
Prin. Invest.: M PAVEL
Tech. Officer: ARC/B L BEARD
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1218 OREGON GRADUATE INST OF SCIENCE & TECHNOLGY 7888
ROBUST INTELLIGENT SYSTEMS BASED ON INFORMATION FU SION
03/14/2001 - 02/28/2003 FY02: $0 Total: $269,000
Prin. Invest.: M PAVEL
Tech. Officer: ARC/J C COUGLAN, ARC/M SCHWABACHER
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1253 OREGON GRADUATE INST OF SCIENCE & TECHNOLGY 7889
BIOLOGICAL COMPUTING FOR ROBOT NAVIGATION & CONTRO L
04/08/2001 - 02/28/2003 FY02: $0 Total: $336,000
Prin. Invest.: M A JABRI
Tech. Officer: ARC/T R GOVINDAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1264 OREGON GRADUATE INST OF SCIENCE & TECHNOLGY 7890
MODEL BIASED, DATA DRIVEN ADAAPTIVE FAILURE PREDIC ITON
05/21/2001 - 02/28/2003 FY02: $0 Total: $120,000
Prin. Invest.: T LEEN
Tech. Officer: ARC/I TUMER
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1199 OREGON HEALTH SCIENCES UNIV 7891
HOW DO CELL DIVISION PLANCES SPECIFY REGIONAL GENE EXPRESSION PATTERNS IN EARLYEMBRYOS?
04/02/1998 - 04/30/2002 FY02: $0 Total: $490,495
Prin. Invest.: M V DANILCHIK
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1287 OREGON STATE UNIV 7892
TRAINING PILOTS TO PRIORITIZE TASKS
02/01/1999 - 02/14/2003 FY02: $0 Total: $192,520
Prin. Invest.: K H FUNK
Tech. Officer: ARC/R K DISMUKES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1341 OREGON STATE UNIV 7893
INTERACTIONS BETWEEN GRAVITY & LIGHT IN DETERMININ G PLANT-FORM ANALYSIS USING THE LAXY-2 MUTANT TOMA
07/21/1999 - 08/31/2002 FY02: $0 Total: $413,939
Prin. Invest.: T L LOMAX
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1546 OREGON STATE UNIV 7894
NUMERICAL SIMULATIONS OF THE MARTIAN ATMOSPHERE
04/02/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: J R BARNES
Tech. Officer: ARC/R M HABERLE, ARC/R E YOUNG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 3 2463 OREGON STATE UNIV 7895
DEVELOPMENT AND EVALUATION OF HIGH TEMPERATURE AND SPECIAL-IZED FIBER BRAGG GRATINGS
06/15/2000 - 09/30/2001 FY02: $0 Total: $47,953
Prin. Invest.: T K PLANT
Tech. Officer: GRC/G ADAMOVSKY
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 4947 OREGON STATE UNIV 7896
"COUPLED ATMOSPHERE/OCEAN PROCESSES & PRIMARY PROD IN THE SOUTHERN OCEAN"
06/23/1997 - 06/30/2001 FY02: $0 Total: $3,300,000
Prin. Invest.: M R ABBOTT
Tech. Officer: GSFC/J A MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 6156 OREGON STATE UNIV 7897
EFFECT OF OCEAN TIDES ON THE LONG TERM ORBITAL AND OF THE EARTH-MOON SYSTEM
09/11/1997 - 09/14/2001 FY02: $0 Total: $60,000
Prin. Invest.: G D EGBERT
Tech. Officer: GSFC/B BILLS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6242 OREGON STATE UNIV 7898
MODELING CARBON DYNAMICS AND THEIR ECONOMIC IMPLIC REGIONS: PACIFIC NORTHWESTERN USA AND NORTHWESTER
08/19/1997 - 08/31/2001 FY02: $0 Total: $580,000
Prin. Invest.: D E HARMON
Tech. Officer: GSFC/G C GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7506 OREGON STATE UNIV 7899
ASSESSING POTENTIAL AND ACTUAL FOREST PRODUCTIVITY ACROSS SOUTHWESTERN OREGON WITH TWO SIMULATION
06/26/1998 - 06/30/2003 FY02: $0 Total: $260,910
Prin. Invest.: R H WARING
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7531 OREGON STATE UNIV 7900
EVALUATING MODEL PREDICTIONS OF CO2 AND WATER VAPO R EX-CHANGE WITH FLUX MEASUREMENTSIN A POND
06/11/1998 - 06/30/2002 FY02: $0 Total: $651,594
Prin. Invest.: M H UNSWORTH
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7551 OREGON STATE UNIV 7901
REDUCING UNCERTAINTY IN CARBON AND ENERGY EXCHANGE OVER PINE FORESTS: INFLUENCE OF AGE,MANAGEMEN
06/22/1998 - 06/30/2002 FY02: $0 Total: $841,355
Prin. Invest.: B LAW
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7686 OREGON STATE UNIV 7902
LIMITS TO CLOUD SUSCEPTIBILITY.
09/15/1998 - 09/30/2002 FY02: $0 Total: $294,000
Prin. Invest.: J A COAKLEY, JR.
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7856 OREGON STATE UNIV 7903
BIGFOOT--CHARACTERIZING LAND COVER, LAI, AND NPP A T THE LANDSCAPE SCALE FOR EOS/MODIS VALIDATION
12/14/1998 - 11/30/2001 FY02: $0 Total: $711,925
Prin. Invest.: W B COHEN
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8261 OREGON STATE UNIV 7904
CONSTRUCTION TO COMPLETE THE ENVIRONMENTAL COMPUTI NG CENTER
02/17/1999 - 07/31/2002 FY02: $0 Total: $2,000,000
Prin. Invest.: G DALRYMPLE
Tech. Officer: GSFC/R A SCHIFFER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8315 OREGON STATE UNIV 7905
INTEGRATING MICROWAVE AND HYPERSPECTRAL REMOTE SENSING FOR ESTIMATING VEGETATION STRUCTUREAND BIOMA
03/24/1999 - 02/28/2002 FY02: $0 Total: $111,509
Prin. Invest.: B E LAW
Tech. Officer: HQ/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8400 OREGON STATE UNIV 7906
USING DISTRIBUTED OBJECT-BASED FRAMEWORKS TO SUPPORT EOS DATA ACCESS AND VISUALIZATION
05/20/1999 - 05/31/2002 FY02: $0 Total: $127,000
Prin. Invest.: M S ABBOTT
Tech. Officer: GSFC/K MOE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 8601 OREGON STATE UNIV 7907
SPATIAL VARIATION OF SURFACE MOISTURE FLUXES IN SPG
06/17/1999 - 06/14/2003 FY02: $0 Total: $159,902
Prin. Invest.: L MAHRT
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8969 OREGON STATE UNIV 7908
EOS TERRA DIRECT BROADCAST RECEIVING STATION: SUPPORT FOR OCEAN & TERRESTRIAL ECOLOGY
01/24/2000 - 12/31/2001 FY02: $0 Total: $550,000
Prin. Invest.: M R ABBOTT
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9159 OREGON STATE UNIV 7909
JASON-1 INVESTIGATION: ALTIMETRIC STUDIES OF OCEAN TIDAL DYNAMICS
03/06/2000 - 03/31/2003 FY02: $0 Total: $114,791
Prin. Invest.: G D EGBERT
Tech. Officer: GSFC/R RAY
CASE Category: 33 – OCEANOGRAPHY

NAG 5 9428 OREGON STATE UNIV 7910
SYNTHESIS & ALTERATION OF HIGHER MOLECULAR WEIGHT ORGANIC COMPOUNDS UNDER HYDROTHERMAL CONDITIONS
04/11/2000 - 04/14/2003 FY02: $0 Total: $194,200
Prin. Invest.: B T SIMONEIT
Tech. Officer: GSFC/M MEYER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9446 OREGON STATE UNIV 7911
MICROBES IN SILICATE ROCKS ON EARTH: ANALOGUES OF EXTANT & FOSSIL MICROBIAL HABITATS ON OTHER
04/13/2000 - 04/14/2003 FY02: $0 Total: $99,042
Prin. Invest.: M FISK
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9677 OREGON STATE UNIV 7912
SUPPORT FOR THE GOFC BOREAL FOREST WORKSHOP, NASA SIBERIAN NETWORK, AND EWG BOREAL FOREST PROJECT
06/02/2000 - 10/31/2002 FY02: $0 Total: $38,641
Prin. Invest.: O N KRANKINA
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9771 OREGON STATE UNIV 7913
STUDIES OF MGS TES AND MPF MET DATA
06/29/2000 - 06/30/2003 FY02: $0 Total: $119,200
Prin. Invest.: J R BARNES
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10614 OREGON STATE UNIV 7914
GOFC SUPPORT, WORKSHOP IN RUSSIA
03/16/2001 - 08/31/2002 FY02: $0 Total: $39,173
Prin. Invest.: O N KRANKINA
Tech. Officer: GSFC/G GUTMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10623 OREGON STATE UNIV 7915
THE REFINEMENT OF THE ATMOSPHERIC CORRECTION ALGOR ITHM FOR SPACE-DERIVING THE MARINE CHLOROPHYLL
03/19/2001 - 03/14/2004 FY02: $0 Total: $145,495
Prin. Invest.: K S SHIFRIN
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11046 OREGON STATE UNIV 7916
DYNAMICS AND CIRCULATION OF THE MARTIAN ATMOSPHERE
06/20/2001 - 06/30/2004 FY02: $0 Total: $74,000
Prin. Invest.: J BARNES
Tech. Officer: GSFC/D BOGAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11105 OREGON STATE UNIV 7917
ADVANCED VALIDATION OF AMSR WIND SPEED MEASUREMENT USING BUOY, SCATTEROMETER, AND NWP SURFACE ANALYS
07/13/2001 - 08/31/2004 FY02: $0 Total: $28,809
Prin. Invest.: M H FREILICH
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11125 OREGON STATE UNIV 7918
COUPLED ATMOSPHERE/OCEAN PROCESSES AND PRIMARY PRO DUCTION IN THE SOUTHERN OCEAN
08/01/2001 - 06/30/2003 FY02: $0 Total: $270,027
Prin. Invest.: M R ABBOTT
Tech. Officer: GSFC/J MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11148 OREGON STATE UNIV 7919
A ONE-YEAR PILOT STUDY FOR THE INCLUSION OF ACTIVE OPTICAL SENSORS INTO PALACE FLOATS
07/30/2001 - 07/31/2002 FY02: $0 Total: $27,977
Prin. Invest.: E BOSS
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11190 OREGON STATE UNIV 7920
ECOSYSTEMS STRUCTURE AND CARBON CYCLING IN THE NOR TH PACIFIC: MODELING &DATA ASSIMILATION
08/17/2001 - 08/31/2004 FY02: $0 Total: $216,950
Prin. Invest.: Y SPITZ
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11222 OREGON STATE UNIV 7921
LINKING IN-SITU MEASUREMENTS, REMOTE SENSING, AND MODELS TO VALIDATE MODIS PRODUCTS RELATED TO TH
08/09/2001 - 07/31/2004 FY02: $0 Total: $24,628
Prin. Invest.: D P TURNER
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11223 OREGON STATE UNIV 7922
USING REMOTE SENSING & IN SITU NETWORK OBSERVATION S TO EVALUATE & IMPROVE THE PERFORMANCE OF
08/09/2001 - 07/31/2004 FY02: $0 Total: $76,090
Prin. Invest.: B LAW
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11231 OREGON STATE UNIV 7923
REGIONAL CARBON DIOXIDE FLUXES OVER HETEROGENEOUS TERRAIN
08/13/2001 - 08/14/2004 FY02: $0 Total: $184,525
Prin. Invest.: L MAHRT
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11250 OREGON STATE UNIV 7924
DRIVING FORCES OF CHANGE IN REGIONAL CARBON STOCKS : COMPARISON OF THE WESTERN OREGON, AND ST. PET
08/20/2001 - 08/14/2004 FY02: $0 Total: $187,238
Prin. Invest.: O KRANKINA
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11404 OREGON STATE UNIV 7925
TESTING SPATIAL CORRELATION OF SUBDUCTION INTERPLA TE COUPLING AND FOREARC MORPHO-TECTONICS
11/28/2001 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: C GOLDFINGER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11534 OREGON STATE UNIV 7926
PARAMETERIZATIONS OF THE VERTICAL VARIABILITY OF T ROPICAL CIRRUS CLOUD MICROPHYSICAL ANDOPTICAL P
01/03/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: C H TWOHY
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11586 OREGON STATE UNIV 7927
IMPROVED OBSERVATION AND MODELING OF FLUXES BETWEE N THE SNOW PACK AND THE ATMOSPHERE
01/25/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: L MAHRT
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11652 OREGON STATE UNIV 7928
LASER 40AR/39AR DATING OF IMPACT MELT ROCKS: THE C HRONOLOGY OF LUNAR BASIN FORMATION
01/28/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: R DUNCAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12351 OREGON STATE UNIV 7929
INVESTIGATION OF ENDOLITHIC MICROORGANISMS IN OLIV INE-BEARING ROCKS
07/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M FISK
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12378 OREGON STATE UNIV 7930
LOW FREQUENCY VARIABILITY OF THE SOUTH ATLANTIC CI RCULATION AND INTERBASIN EXCHANGES:OBSERV
07/16/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: R P MATANO
Tech. Officer: GSFC/S HAKKINEN
CASE Category: 33 – OCEANOGRAPHY

NAG 5 12404 OREGON STATE UNIV 7931
SCATTERING CHARACTERISTICS OF PHYTOPLANKTON TAXONO MIC GROUPS AND THEIR EFFECT ON REFLECTANCE
08/01/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: W PEGAU
Tech. Officer: GSFC/C TREES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12443 OREGON STATE UNIV 7932
3RD INTERNATIONAL SUMMER SCHOOL ON INVERSE METHODS AND DATA ASSIMILATION.
08/06/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: A BENNET
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 1 98140 OREGON STATE UNIV 7933
CHARACTERIZATION OF CLOUDS AND THE ANISOTROPY OF EMITTED AND REFLECTED RADIANCES
10/29/1998 - 10/29/2002 FY02: $0 Total: $561,235
Prin. Invest.: J COAKLEY
Tech. Officer: LARC/B A WIELICKI, LARC/R L HUFFMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 99104 **OREGON STATE UNIV** **7934**
DETERMINATION OF THE INDIRECT RADIATIVE FORCING DUE TO AEROSOLS
05/17/1999 - 05/16/2003 FY02: $0 Total: $23,950
Prin. Invest.: J M COAKLEY, JR.
Tech. Officer: LARC/G GIBSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 31360 **OREGON STATE UNIV** **7935**
MODIS INVESTIGATION
12/30/1991 - 06/14/2003 FY02: $0 Total: $4,737,000
Prin. Invest.: M R ABBOTT
Tech. Officer: GSFC/H OSEROFF
CASE Category: 33 – OCEANOGRAPHY

NAS 5 32965 **OREGON STATE UNIV** **7936**
SEAWINDS PRINCIPAL INVESTIGATOR & SCIENCE TEAM ACTIVITIES
09/15/1995 - 12/31/2004 FY02: $0 Total: $7,540,085
Prin. Invest.: D H FREILICH
Tech. Officer: GSFC/C RABER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5427 **OREGON STATE UNIV** **7937**
PREPARATION OF THE ZAPS INSTRUMENT PACKAGE FOR THE VAILULU MISSION
03/09/2001 - 01/31/2002 FY02: $0 Total: $15,000
Prin. Invest.: G P KLINKHAMMER
Tech. Officer: ARC/M T FLYNN, ARC/C A STOCKER
CASE Category: 33 – OCEANOGRAPHY

NCC 2 5515 **OREGON STATE UNIV** **7938**
MEDUSA - SEA FLOOR MONITORING SYSTEM
08/07/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: G P KLINKHAMMER
Tech. Officer: ARC/M FLYNN
CASE Category: 33 – OCEANOGRAPHY

NGT 2 52245 **OREGON STATE UNIV** **7939**
MESOSCALE MODEL OF THE MARTIAN ATMOSPHERE
08/11/1998 - 08/14/2001 FY02: $0 Total: $66,000
Prin. Invest.: J R BARNES
Tech. Officer: ARC/R M HABERLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 5 96 **OREGON STATE UNIV** **7940**
GLOBAL CLIMATE CHANGE EFFECTS ON CARBON SEQUESTRA TION MEDIATED BY SOIL MICROORGANISMS
08/20/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: R P DICK, V GEWIN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30181 **OREGON STATE UNIV** **7941**
FUNCTIONAL GROUPING OF PLANTS IN FLORIDA SCRUB HABITAT/STUDENT: TAMMY FOSTER
08/23/1999 - 08/31/2002 FY02: $0 Total: $44,000
Prin. Invest.: B BOND
Tech. Officer: GSFC/M Y WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30185 **OREGON STATE UNIV** **7942**
RIGHT WHALE ECOLOGY IN THE NORTHWEST ATLANTIC OCEAN/STUDENT--MARK BAUMGARTNER
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B MATE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30214 **OREGON STATE UNIV** **7943**
COMBINING FIELD MEASUREMENTS AND SATELLITE IMAGERY WITH A PROBABILISTIC MODEL TO QUANTIFYUNCERTAIN
08/24/1999 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: W B COHEN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30347 **OREGON STATE UNIV** **7944**
ASYSTEMATIC STUDY OF THE OPTICAL PROPERTIES OF NON SPHERICAL OCEANIC PARTICLES/STUDENT: SEAN HERRING
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: W PEGAU
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30387 **OREGON STATE UNIV** **7945**
SCALING UP NOCTURNAL CO2 AND WATER VAPOR FLUXES WI TH MICROMETEOROLOGICALNETWORKS/REINA NAKAMURA
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: L MAHRT
Tech. Officer: GSFC/W WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40103 **OREGON STATE UNIV** **7946**
OREGON SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/01/2001 - 02/28/2005 FY02: $0 Total: $404,803
Prin. Invest.: A C KLEIN
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2741 **PORTLAND STATE UNIV** **7947**
CAPILLARY FLOW IN INTERIOR CORNERS CAPILLARY FLOW IN INTERIOR CORNERS
04/04/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: M M WEISLOGEL
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 9579 **PORTLAND STATE UNIV** **7948**
RECOGNIZING THE SIGNATURES OF HYPERTHERMOPHILIC BIOFILMS: GEYSERITES, EPITHERMAL DEPOSITS & ANCI
05/10/2000 - 04/30/2002 FY02: $0 Total: $178,960
Prin. Invest.: S CADY
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11309 **PORTLAND STATE UNIV** **7949**
ICE SHELVES AND LANDFAST ICE ON THE ANTARCTIC PERI METER CHARACTERISTICS AND EFFECTS OF CLIMATE CHAN
08/30/2001 - 08/31/2003 FY02: $0 Total: $10,300
Prin. Invest.: C HULBE
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11441 PORTLAND STATE UNIV 7950
GENETIC COMPLEXITY IN THE RNA WORLD: AN EXAMINATIO N OF THE GENETIC LOAD IN RNA POPLATIONS
12/17/2001 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: N LEHMAN
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11442 PORTLAND STATE UNIV 7951
MIRCOBIAL INTERACTIONS WITH REDUCED MINERALS: A SY STEM FOR EARLY TERRESTRIAL ANDEXTRATERRES
12/20/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: T STEVENS
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2010 UNIV OF OREGON - EUGENE 7952
ATMOSPHERIC AND SPECTROSCOPIC RESEARCH IN THE FAR INFRARED
02/23/1998 - 02/21/2002 FY02: $0 Total: $112,000
Prin. Invest.: K PARK
Tech. Officer: LARC/I G NOLT
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6109 UNIV OF OREGON - EUGENE 7953
THE FORMATION AND EVOLUTION OF LSB GALAXIES
07/24/1997 - 10/31/2001 FY02: $0 Total: $164,039
Prin. Invest.: D SCHOMBERT
Tech. Officer: GSFC/D GOLOMBEK
CASE Category: 11 – ASTRONOMY

NAG 5 8505 UNIV OF OREGON - EUGENE 7954
INSTABILITIES IN PROTOSTELLAR STAR/DISK SYSTEMS (A TP - 98)
05/10/1999 - 04/30/2003 FY02: $0 Total: $76,358
Prin. Invest.: J IMAMURA
Tech. Officer: GSFC/R K OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10709 UNIV OF OREGON - EUGENE 7955
ACCRETION FLOWS IN MAGNETIC WHITE DWARF SYSTEMS (ADP 2000)
04/23/2001 - 04/30/2002 FY02: $0 Total: $28,250
Prin. Invest.: J IMAMURA
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11300 UNIV OF OREGON - EUGENE 7956
GALAXY PHOTOMETRY FOR NASA/IPAC EXTRAGALACTIC DATA BASE
08/29/2001 - 08/31/2004 FY02: $0 Total: $37,709
Prin. Invest.: J SCHOMBERT
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1089 UNIV OF OREGON - EUGENE 7957
AFFECT & AERONAUTICAL DECISION-MAKING
02/02/1999 - 01/14/2003 FY02: $0 Total: $368,313
Prin. Invest.: R MAURO
Tech. Officer: ARC/I BARSHI
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1304 UNIV OF OREGON - EUGENE 7958
AFFECT AND AERONAUTICAL DECISION MAKING
02/05/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: R MAURO
Tech. Officer: ARC/I BARSHI, ARC/R K DISMUKES
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 5409 UNIV OF OREGON - EUGENE 7959
CULTURE COLLECTION OF MICRO-ORGANISMS FROM EXTREME ENVIRONMENTS & THE ROLE OF THE UV-SHIEDLING PIGM
11/22/2000 - 12/31/2002 FY02: $0 Total: $93,764
Prin. Invest.: R W CASTENHOLZ
Tech. Officer: ARC/B M BEBATH, ARC/M L FONDA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 3 880 UNIV OF OREGON - EUGENE 7960
DEVELOPMENT OF A SELF-PACED COMPUTER BASED TRAININ G PROGRAM ON IN-FLIGHT ICING
03/23/2001 - 06/30/2002 FY02: $0 Total: $210,874
Prin. Invest.: R MAURO
Tech. Officer: GRC/T H BOND
CASE Category: 41 – AERONAUTICAL ENGNR

PENNSYLVANIA

NAG 5 7964 BLOOMSBERG UNIV 7961
REMOTE SENSING OF FRACTAL PLANETARY SURFACES
01/11/1999 - 01/14/2002 FY02: $0 Total: $146,300
Prin. Invest.: M K SHEPARD
Tech. Officer: GSFC/J GRANT
CASE Category: 11 – ASTRONOMY

NAG 5 11539 BLOOMSBERG UNIV 7962
REMOTE SENSING OF PLANETARY SURFACES
01/03/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: M K SHEPARD
Tech. Officer: GSFC/DSENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8679 BUCKNELL UNIV 7963
INVESTIGATION OF AERODYNAMIC AND RADIOMETRIC LAND SURFACE TEMPERATURES
07/27/1999 - 08/14/2003 FY02: $0 Total: $170,060
Prin. Invest.: R D CRAGO
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8699 BUCKNELL UNIV 7964
IMPROVED PREDICTION OF MOMENTUM AND SCALAR FLUXES USING MODIS IMAGERY
08/17/1999 - 08/14/2003 FY02: $0 Total: $56,250
Prin. Invest.: R D CRAGO
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10129 BUCKNELL UNIV 7965
SATELLITE-BASED ESTIMATION OF AERODYNAMIC ROUGHNESS FOR GLOBAL CLIMATE STUDIES
12/06/2000 - 12/14/2001 FY02: $0 Total: $5,000
Prin. Invest.: R D CRAGO
Tech. Officer: GSFC/M F JASINSKI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10821 BUCKNELL UNIV 7966
SOFTWARE AND HARDWARE SYSTEM FOR PREDICTING THE COMPUTATIONAL SPEED OF HIGH PERFORMANCE COMPUTERS
04/26/2001 - 11/14/2002 FY02: $0 Total: $75,497
Prin. Invest.: M F ABURDENE
Tech. Officer: GSFC/J DORBAND
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 2090 CARNEGIE - MELLON UNIV 7967
NOVEL SCALABLE ALGORITHMS FOR AEROSPACE DESIGN OPTIMIZATION OM MASSIVELY PARALLEL COMPUTERS
07/21/1998 - 08/31/2001 FY02: $0 Total: $276,403
Prin. Invest.: O GHATTAS
Tech. Officer: LARC/R T BIEDRON, GSFC/J SOBIESKI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1230 CARNEGIE - MELLON UNIV 7968
APPLICATION SPECIFIC SUPER COMPUTING
06/16/1998 - 04/30/2001 FY02: $0 Total: $1,149,288
Prin. Invest.: T C MOWRY, O C GHATTAS, D R O'HALLARON
Tech. Officer: ARC/C H SCHULBACH
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 2 1393 CARNEGIE - MELLON UNIV 7969
MODEL-BASED PROGRAMMING SKUNKWORKS
02/01/2000 - 04/30/2002 FY02: $0 Total: $140,000
Prin. Invest.: R SIMMONS
Tech. Officer: ARC/M SHIRLEY
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1402 CARNEGIE - MELLON UNIV 7970
AUTOMATED VERIFICATION OF DIAGNOSTIC MODELS
04/12/2000 - 05/31/2002 FY02: $0 Total: $145,000
Prin. Invest.: R G SIMMONS
Tech. Officer: ARC/M LOWRY
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1441 CARNEGIE - MELLON UNIV 7971
HUAV FLIGHTDYNAMICS & CONTROL
09/28/2000 - 04/30/2002 FY02: $0 Total: $197,070
Prin. Invest.: W C MESSNER, C E THORPE
Tech. Officer: ARC/M B TISCHLER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1472 CARNEGIE - MELLON UNIV 7972
EFFECTIVE TEAM SUPPORT: FROM MODELING TO SOFTWARE AGENTS
04/06/2001 - 03/31/2003 FY02: $0 Total: $442,776
Prin. Invest.: B JOHN, K SYCARA
Tech. Officer: ARC/M P MATESSA
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1537 CARNEGIE - MELLON UNIV 7973
MY PERSONAL ROVER A DOMESTIC EDUCATIONAL SCIENCE R OVER
02/15/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: I R NOURBAKHSH
Tech. Officer: ARC/R MORRIS, ARC/D CLANSY
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1569 CARNEGIE - MELLON UNIV 7974
ORGANIZATIONAL METRICS
06/25/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: K CARLEY
Tech. Officer: ARC/J ORASANU, ARC/M CONNORS
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 6054 CARNEGIE - MELLON UNIV 7975
SOLVING IMPORTANT PROBLEMS FASTER
02/20/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: T MOWRY
Tech. Officer: ARC/J T ONUFER
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2159 CARNEGIE - MELLON UNIV 7976
LATEAL MOTION OF PARTICLES AND BUBBLES CAUSED BY PHORETIC FLOWS NEAR A SOLID INTERFACE
04/22/1998 - 12/31/2002 FY02: $0 Total: $380,000
Prin. Invest.: P J SIDES, Y E SOLOMENTSER, J L ANDERSON
Tech. Officer: GRC/R B ROGERS
CASE Category: 13 – PHYSICS

NAG 3 2449 CARNEGIE - MELLON UNIV 7977
MICROSCALE HYDRODYNAMICS NEAR MOVING CONTACT LINES MICROS-CALE HYDRODYNAMICS NEAR MOVING CONTACT LINE
06/12/2000 - 05/18/2005 FY02: $0 Total: $236,696
Prin. Invest.: S GAROFF
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2640 CARNEGIE - MELLON UNIV 7978
NANOSTRUCTURAL ELECTROCHEMICALLY ACTIVE SYSTEMS FO R LITHIUM-ION BATTERIES
06/25/2001 - 05/31/2004 FY02: $0 Total: $50,000
Prin. Invest.: P N KUMTA
Tech. Officer: GRC/D L BRITTON
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 6548 CARNEGIE - MELLON UNIV 7979
A NEW LOOK AT CLUSTER EVOLUTION (LTSA)
10/29/1997 - 10/31/2002 FY02: $0 Total: $149,500
Prin. Invest.: R NICHOL
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7707 CARNEGIE - MELLON UNIV 7980
ANTARCTIC METEORITE SEARCH DEMONSTRATION
09/17/1998 - 08/31/2001 FY02: $0 Total: $1,182,000
Prin. Invest.: W WHITTAKER
Tech. Officer: GSFC/D LAVERY
CASE Category: 11 – ASTRONOMY

NAG 5 7926 CARNEGIE - MELLON UNIV 7981
THE VIPER SUNYAEV-ZELDOVICH SURVEY _(LTSA 98)
01/03/1999 - 12/31/2004 FY02: $0 Total: $270,000
Prin. Invest.: A K ROMER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8093 CARNEGIE - MELLON UNIV 7982
AN AUTOMATED SYSTEM FOR THE REDUCTION AND ANALYSIS OF X-RAY DATA FROM GALAXIES
02/01/1999 - 06/30/2001 FY02: $0 Total: $146,198
Prin. Invest.: A F PTAK
Tech. Officer: GSFC/P HUNTER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9309 CARNEGIE - MELLON UNIV 7983
ARTIFICAL INTELLIGENCE TECHNIQUES FOR MINERAL IDEN TIFICATION FROM NEAR INFRARED SPECTRA ONBOARD FUT
03/20/2000 - 03/14/2002 FY02: $0 Total: $97,500
Prin. Invest.: C GLYMOUR
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 9899 CARNEGIE - MELLON UNIV 7984
XMM SURVEY OF THE SHARC SAMPLE: CONSTRAINING OMEGA AND CLUSTER FORMATION
09/06/2000 - 09/14/2001 FY02: $0 Total: $12,700
Prin. Invest.: A ROMER
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9902 CARNEGIE - MELLON UNIV 7985
MISSION SCIENTIST FOR ESA'S X-RAY MULTI-MIRROR MISSION
08/25/2000 - 08/31/2003 FY02: $0 Total: $324,305
Prin. Invest.: R E GRIFFITHS
Tech. Officer: GSFC/N WHITE
CASE Category: 11 – ASTRONOMY

NAG 5 9922 CARNEGIE - MELLON UNIV 7986
XMM SEARCHES FOR IRON LINES IN LOW LUMINOSITY AGN: A TEST OF ACCRETION THEORIES
09/05/2000 - 06/30/2001 FY02: -$15,011 Total: $1,399
Prin. Invest.: A F PTAK
Tech. Officer: GSFC/P M ATKINS
CASE Category: 11 – ASTRONOMY

NAG 5 10014 CARNEGIE - MELLON UNIV 7987
'FOSSIL GROUPS'IN THE BRIGHT SHARC SURVEY
09/21/2000 - 09/30/2003 FY02: $0 Total: $18,100
Prin. Invest.: R C NICHOL
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10043 CARNEGIE - MELLON UNIV 7988
X-RAY SPECTRAL STATISTICS OF A COMPLETE HARD X-RAY -SELECTED SAMPLE OF AGNS
11/02/2000 - 10/31/2002 FY02: $0 Total: $33,400
Prin. Invest.: T MIYAJI
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10170 CARNEGIE - MELLON UNIV 7989
X-RAY SPECTROSCOPY OF LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI WITH XMM
12/18/2000 - 12/31/2001 FY02: $0 Total: $9,724
Prin. Invest.: A F PTAK
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10739 CARNEGIE - MELLON UNIV 7990
VEXT: A VIRTUAL OBSERVATORY EXPLORATORY TOOLKIT. FULLY FUNDS YEAR 1 OF AWARD
05/17/2001 - 05/31/2002 FY02: $0 Total: $80,000
Prin. Invest.: J SCHNEIDER
Tech. Officer: GSFC/P E HUNTER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10740 CARNEGIE - MELLON UNIV 7991
ADVANCED GALAXY CLUSTER DETECTION SOFTWARE.
04/12/2001 - 06/30/2003 FY02: $0 Total: $130,000
Prin. Invest.: R NICHOL
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10875 CARNEGIE - MELLON UNIV 7992
AGN X-RAY SPECTRAL EVOLUTION (LTSA 2000)
05/10/2001 - 08/31/2006 FY02: $0 Total: $93,910
Prin. Invest.: T MIYAJI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11634 CARNEGIE - MELLON UNIV 7993
X-RAY CLUSTERS AS COSMOLOGICAL PROBES _(LTSA 01)
01/29/2002 - 01/31/2007 FY02: $0 Total: $0
Prin. Invest.: A K ROMER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11888 CARNEGIE - MELLON UNIV 7994
X-RAY SPECTROSCOPY OF LOW-LUMINOSITY ACTIVE GALACT IC NUCLEI WITH XMM
04/04/2002 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: T DIMATTEO
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 11998 CARNEGIE - MELLON UNIV 7995
ARTIFICIALL INTELLIGENCE METHODS FOR IDENTIFYING M INERAL COMPOSITION.
05/05/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: C GLYMOUR
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1674 CARNEGIE - MELLON UNIV 7996
SHAPRE EVOLUTION KINETICS OF SMALL PARTICLES
06/28/2000 - 11/30/2003 FY02: $0 Total: $130,250
Prin. Invest.: G S ROHRER, W M MULLINS
Tech. Officer: MSFC/P DOTY
CASE Category: 12 – CHEMISTRY

NAG 8 1704 CARNEGIE - MELLON UNIV 7997
LATTICE BOLTZMANN COMPUTATIONS OF BINARY DIFFUSION IN LIQUIDS UNDER STOCHASTIC MICROGRAVITY
05/24/2000 - 11/30/2002 FY02: $0 Total: $121,250
Prin. Invest.: R F SEKERKA
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1799 CARNEGIE - MELLON UNIV 7998
RESEARCH ENTITLED, ″ULTRA-HIGH DENSITY MEMS- ACTUATED-PROBE MASS DATA STORAGE″
04/24/2001 - 04/23/2004 FY02: $0 Total: $515,000
Prin. Invest.: L R CARLEY
Tech. Officer: MSFC/A KEYS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1842 CARNEGIE - MELLON UNIV 7999
ELECTROOSMOTIC & ELECTROPHORETIC SELF-ASSEMBLY TECHNIQUIES TO PROMOTE MASS TRANSFER ON BIOSNESORS
08/31/2001 - 11/30/2004 FY02: $0 Total: $67,000
Prin. Invest.: R D TILTON
Tech. Officer: MSFC/B GUYNES
CASE Category: 12 – CHEMISTRY

NAG 9 1090 CARNEGIE - MELLON UNIV 8000
ANTARTIC METEORITE SEARCH DEMONSTRATION
02/26/1999 - 04/15/2001 FY02: $0 Total: $1,817,801
Prin. Invest.: T KANADE, W WHITAKER
Tech. Officer: HQ/D LAVERY
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1092 CARNEGIE - MELLON UNIV 8001
AUTONOMOUS ROVER TECNOLOGY
03/15/1999 - 04/30/2002 FY02: $0 Total: $1,341,800
Prin. Invest.: T KANADE
Tech. Officer: JSC/D LAVERY
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1226 CARNEGIE - MELLON UNIV 8002
DISTRIBUTED MULTI-ROBOT ASSEMBLY AND CONTRUCTION
05/12/2000 - 05/15/2001 FY02: $0 Total: $300,000
Prin. Invest.: R SIMMONS
Tech. Officer: JSC/T PENDLETON, JSC/C CULBERT
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1232 CARNEGIE - MELLON UNIV 8003
STRATEGIC POSITIONING AND ATTITUDE COMPUTING ENGINE FOR HOMING ORBITING GADGETRY
05/15/2000 - 12/31/2001 FY02: $0 Total: $250,000
Prin. Invest.: O AMIDI
Tech. Officer: JSC/R D JUDAY
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1240 CARNEGIE - MELLON UNIV 8004
SKYWORKER PHASE II SPACE SOLAR POWER
06/29/2000 - 12/30/2000 FY02: $0 Total: $124,624
Prin. Invest.: R W WHITTAKER
Tech. Officer: JSC/C J CULBERT, JSC/H ALDRIDGE
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1242 CARNEGIE - MELLON UNIV 8005
RESEARCH GRANT
06/30/2000 - 09/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: D HERSHBERGER, D HERSHBERGER
Tech. Officer: JSC/CFARMER, JSC/W TARKINGTON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1248 CARNEGIE - MELLON UNIV 8006
AUTONOMOUS RECONNAISSANCE ROVER FOR EVA ROBOTIC AS SISTANCE
07/18/2000 - 07/16/2003 FY02: $0 Total: $150,000
Prin. Invest.: D APOSTOLOPOULOS
Tech. Officer: JSC/C J CULBERT, JSC/C FARMER
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1256 CARNEGIE - MELLON UNIV 8007
SUN SYNCHRONOUS CIRCUMNAVIGATION
08/21/2000 - 12/20/2001 FY02: $0 Total: $1,078,139
Prin. Invest.: W R WHITAKER
Tech. Officer: JSC/C J CULBERT, JSC/H ALDRIDGE
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1276 CARNEGIE - MELLON UNIV 8008
PITTSBURGH PUBLIC SCHOOL DIST/CARNEGIE MELLON UNIV TEAM PARTICIPATION IN FIRST COMPET
02/22/2001 - 05/01/2001 FY02: $0 Total: $35,000
Prin. Invest.: W WHITTAKER
Tech. Officer: JSC/C CULBERT
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1326 CARNEGIE - MELLON UNIV 8009
DISTRIBUTED MULTI ROBOT ASSEMBLY AND CONSTRUCTION
06/19/2001 - 11/30/2002 FY02: $0 Total: $181,000
Prin. Invest.: R SIMMONS, S SINGH
Tech. Officer: JSC/C L FARMER
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 1327 CARNEGIE - MELLON UNIV 8010
SELF ADAPTIVE PERCEPTION SYSTEMS FOR VARYING ENVIROMENTS
06/21/2001 - 06/20/2002 FY02: $0 Total: $22,000
Prin. Invest.: R SIMMONS, S BURKETT
Tech. Officer: JSC/C FARMER
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1440 CARNEGIE - MELLON UNIV 8011
PATH PLANNING FOR FREE FLYING ROBOTS
07/22/2002 - 07/21/2003 FY02: $0 Total: $0
Prin. Invest.: H CHOSET
Tech. Officer: JSC/C L FARMER
CASE Category: 22 – COMPUTER SCIENCE

NAS 3 27735 CARNEGIE - MELLON UNIV 8012
COORDINATED APPROACH TO DEVELOPMENT & VALIDATION OF AEROELASTIC CODES
05/30/1996 - 03/31/2001 FY02: $0 Total: $569,130
Prin. Invest.: J H GRIFFIN
Tech. Officer: GRC/R DEL ROSARIO, GRC/G L STEFKO
CASE Category: 46 – MECHANICAL ENGR

NCC 2 1188 CARNEGIE - MELLON UNIV 8013
HIGH DEPENDABILITY COMPUTING CONSORTIUM
07/11/2000 - 12/31/2001 FY02: $0 Total: $1,043,461
Prin. Invest.: J H MORRIS
Tech. Officer: ARC/M E DUENAS
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1226 CARNEGIE - MELLON UNIV 8014
SIMULATING LEARNING OF COMPLEX, DYNAMIC TASKS
03/23/2001 - 02/28/2003 FY02: $0 Total: $157,000
Prin. Invest.: J R ANDERSON
Tech. Officer: ARC/M MATESSA
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1227 CARNEGIE - MELLON UNIV 8015
AUTOMATED DISCOVERY PROCEDURES FOR GENE EXPRESSION & REGULATION FROM MICROARRAY & SERIAL ANALYSIS O
03/16/2001 - 02/28/2003 FY02: $0 Total: $298,000
Prin. Invest.: C GLYMOUR
Tech. Officer: ARC/J COUGHLAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1241 CARNEGIE - MELLON UNIV 8016
FORMAL VERIFICAITON TOOLS & TECHNIQUES FOR AUTOMON OUS SYSTEMS
03/28/2001 - 11/30/2002 FY02: $0 Total: $75,000
Prin. Invest.: J WING
Tech. Officer: ARC/R MORRIS, ARC/D J CLANCY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1243 **CARNEGIE - MELLON UNIV** **8017**
HETEROGENEOUS MULTI-ROVER COORDINATION OF PLANETAR Y EXPLORATION
04/05/2001 - 02/28/2003 FY02: $0 Total: $400,697
Prin. Invest.: R SIMMONS
Tech. Officer: ARC/R MORRIS, ARC/D J CLANCY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1298 **CARNEGIE - MELLON UNIV** **8018**
THE HIGH DEPENDABILITY COMPUTING PROGRAM (HDCP)
12/13/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: J H MORRIS, W SCHERLIS
Tech. Officer: ARC/M R LOWRY, ARC/M DUENAS
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1317 **CARNEGIE - MELLON UNIV** **8019**
EFFECTIVE TEAM SUPPORT: FROM TASK AND COGNITIVE MO DELING TO SOFTWARE AGENTS FOR TIMECRITICAL COMPL
03/05/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: B E JOHN
Tech. Officer: ARC/R REMINGTON
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1319 **CARNEGIE - MELLON UNIV** **8020**
THE SUMMER ROBOTIC AUTONOMY COURSE
03/13/2002 - 08/31/2002 FY02: $0 Total: $0
Prin. Invest.: I R NOURBAKHSH
Tech. Officer: ARC/M DUENAS
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1324 **CARNEGIE - MELLON UNIV** **8021**
REAL TIME FAULT DETECTION AND SITUATION AWARENESS FOR ROVERS
03/13/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: R G SIMMONS
Tech. Officer: ARC/M SHIRLEY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5438 **CARNEGIE - MELLON UNIV** **8022**
INTELLIGENT SPACE ROBOTS IN THE NEXT 20 YEARS A SU MMER STUDY
06/21/2001 - 10/31/2001 FY02: $0 Total: $20,647
Prin. Invest.: R SIMMONS
Tech. Officer: ARC/D CLANCY, ARC/J LAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 223 **CARNEGIE - MELLON UNIV** **8023**
NATIONAL ROBOTICS ENGINEERING CONSORTIUM
08/26/1997 - 07/31/2002 FY02: $0 Total: $13,867,615
Prin. Invest.: T KANADE
Tech. Officer: GSFC/B H HANKS
CASE Category: 11 – ASTRONOMY

NCC 5 431 **CARNEGIE - MELLON UNIV** **8024**
EVENTSCOPE: A 3D, NETWORKED ROBOTIC LEARNING ENVIR ONMENT. IN RESPONSE TO NASA COOPERATIVE AGREEME
09/20/1999 - 09/30/2002 FY02: $1 Total: $328,366
Prin. Invest.: P COPPIN
Tech. Officer: GSFC/R E GABRYS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 2 52277 **CARNEGIE - MELLON UNIV** **8025**
AUTOMATED SURFACE MISSION PLANNING (STUDENT: PAUL D. THOMPSON)
06/12/2001 - 08/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: W L WHITTAKER
Tech. Officer: ARC/M H SIMS
CASE Category: 22 – COMPUTER SCIENCE

NGT 2 52286 **CARNEGIE - MELLON UNIV** **8026**
PROBALISTIC PLANNING AND EXECUTION FOR SITE SURVEY
05/22/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: R SIMMONS
Tech. Officer: ARC/D SMITH, ARC/S LAU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 3 52370 **CARNEGIE - MELLON UNIV** **8027**
GRADUATE STUDENT RESEARCHERS PROGRAM GRADUATE STUDENT RESEARCHERS PROGRAM
06/20/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: P N KUMTA
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 3 52379 **CARNEGIE - MELLON UNIV** **8028**
GRADUATE STUDENT RESEARCHERS PROGRAM GRADUATE STUDENT RESEARCHERS PROGRAM
06/21/2001 - 07/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: M E MCHENRY
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 50279 **CARNEGIE - MELLON UNIV** **8029**
EFFICIENT MACHINE LEARNING ALGORITHMS FOR SCIENCE STUDENT: ALEXANDER G. GRAY
06/20/2000 - 07/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: A W MOORE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50347 **CARNEGIE - MELLON UNIV** **8030**
INTEGRATING FEATURE TRACKING AND SHAPE-FROM-MOTION FOR ROBOST VISUAL NAVIGATION/STUDENT: DENNIS STEL
05/07/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: S SINGH
Tech. Officer: HQ/K BLANDING
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NGT 9 64 **CARNEGIE - MELLON UNIV** **8031**
LEARNING SHAPE AND BEHAVIOR BY OBSERVING PUSHING
07/09/2002 - 07/14/2003 FY02: $0 Total: $0
Prin. Invest.: R SIMMONS
Tech. Officer: JSC/C FARMER
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 01118 **DREXEL UNIV** **8032**
RECONFIGURABLE CONTROL OF AIRCRAFT IN NONLINEAR FLIGHT REGIMES
08/16/2001 - 08/31/2004 FY02: $0 Total: $50,000
Prin. Invest.: B C CHANG
Tech. Officer: LARC/C M BELCASTRO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1436 **DREXEL UNIV** **8033**
ALTERED SIGNAL TRANSDUCTION & DIFFERENTIAL GENE EX PRESSION IN PC12 PHEOCYTOMOCYTOMA CELLS IN CULTUR
09/19/2000 - 08/31/2002 FY02: $0 Total: $426,892
Prin. Invest.: P I LELKES
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2212 **DREXEL UNIV** **8034**
DEVELOPMENT OF LEAN DIRECT WALL INJECTION (LDWI)CO MBUSTOR
12/03/1998 - 11/30/2001 FY02: $0 Total: $141,182
Prin. Invest.: K J CHOI
Tech. Officer: GRC/R R TACINA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2295 **DREXEL UNIV** **8035**
DEVELOPMENT AND VERIFICATION OF AN IMPROVED MODEL OF THE ICE ACCRETION PROCESS
09/29/1999 - 02/09/2001 FY02: $0 Total: $82,975
Prin. Invest.: D A RUFF
Tech. Officer: GRC/M G POTAPCZUK
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 6964 **DREXEL UNIV** **8036**
STELLAR AND BINARY EVOLUTION IN GLOBULAR CLUSTERS - ATP
02/10/1998 - 02/14/2002 FY02: $0 Total: $350,826
Prin. Invest.: S L MCMILLAN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8929 **DREXEL UNIV** **8037**
SCHOOL-BASED UV-B MONITORING PROJECT IN SUPPORT OF EOS-CHEM
01/13/2000 - 01/14/2003 FY02: $0 Total: $184,949
Prin. Invest.: D R BROOKS
Tech. Officer: GSFC/E HILSENRATH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9264 **DREXEL UNIV** **8038**
BINARY EVOLUTION IN GLOBULAR CLUSTERS - ATP
03/13/2000 - 03/31/2003 FY02: $0 Total: $152,411
Prin. Invest.: S MCMILLAN
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10026 **DREXEL UNIV** **8039**
NASA ESS HPCC PROGRAM
10/27/2000 - 10/14/2002 FY02: $0 Total: $215,000
Prin. Invest.: D VALLIERES
Tech. Officer: GSFC/J FISCHER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10775 **DREXEL UNIV** **8040**
STELLAR AND BINARY EVOLUTION IN STAR CLUSTERS (ATP 2000)
04/24/2001 - 04/30/2004 FY02: $0 Total: $70,000
Prin. Invest.: S L MCMILLAN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11119 **DREXEL UNIV** **8041**
NUMERICAL RELATIVISTIC ASTROPHYSICS AT THE LABORA- TORY OF HIGH ENERGY ASTROPHYSICS (LHEA).
08/09/2001 - 03/14/2003 FY02: $0 Total: $36,181
Prin. Invest.: M VALLIERES
Tech. Officer: GSFC/J CENTRELLA
CASE Category: 11 – ASTRONOMY

NAG 5 11340 **DREXEL UNIV** **8042**
LIPSOSOME-ENCAPSULATED ENZYMES AS OPTICAL NANOSENS ORS FOR THE DETECTION OF BIOLOGICAL PROCESSES
09/14/2001 - 09/14/2002 FY02: $0 Total: $6,000
Prin. Invest.: M A WHEATLEY
Tech. Officer: GSFC/H SHAW
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 12243 **DREXEL UNIV** **8043**
PROBING THE EVOLUTION OF AGN CLUSTERING (LTSA 2001)
06/05/2002 - 06/14/2007 FY02: $0 Total: $0
Prin. Invest.: M VOGELEY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 9 1380 **DREXEL UNIV** **8044**
INNOVATIVE CARDIAC TISSUE ENGINEERING IN RWV BIORE ACTORS
09/13/2001 - 09/04/2002 FY02: $0 Total: $22,000
Prin. Invest.: P LELKES
Tech. Officer: JSC/N PELLIS
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NAG13 00040 **DREXEL UNIV** **8045**
APPLICATION OF AN INTEGRTED MONITORING & MODELING SYSTEM NARRAGANSETT BAY - INTERNET-BASED TECHNOL
08/23/2000 - 08/22/2003 FY02: $0 Total: $886,504
Prin. Invest.: M PIASECKI, M SPAULDING
Tech. Officer: SSC/R MILLER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 1 278 **DREXEL UNIV** **8046**
EFFECTS OF ELECTROMAGNETIC-INDUCED FAILURE MODES: MODELING AND ANALYSIS MY 1/3
02/25/1998 - 12/31/2000 FY02: $0 Total: $190,900
Prin. Invest.: A C LAU, B C CHANG
Tech. Officer: LARC/C M BELCASTRO
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 297 **DREXEL UNIV** **8047**
A STUDY OF THE CHEMISTRY OF SULFUR IN THE INTER- TROPICAL AND SOUTH PACIFIC CONVERGENCE AONES------
04/28/1998 - 10/31/2002 FY02: $0 Total: $498,742
Prin. Invest.: A R BANDY, D C THORNTON
Tech. Officer: LARC/J L ROPER, LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 409 **DREXEL UNIV** **8048**
AN AIRBORN STUDY OF THE CHEMISTRY OF SULFUR IN THE ATMOSPHERE OF THE WESTERN NORTH PACIFIC OCEAN
09/11/2000 - 03/31/2003 FY02: $0 Total: $310,340
Prin. Invest.: A R BANDY
Tech. Officer: LARC/V E DELUORE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 3 822 **DREXEL UNIV** **8049**
EXPERIMENTAL AND MODEL DEVELOPMENT FOR INVESTIGATI ON OF SOOTING AND RADIATION EFFECTS IN MICROGRAVI
08/17/2000 - 12/31/2002 FY02: $0 Total: $215,330
Prin. Invest.: D CHOI
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 825 **DREXEL UNIV** **8050**
DEVELOPMENT OF THERMALLY SPRAYED FGM EROSION/OXIDA TION RESISTANT COATING FOR POLYMERIC SUBSTRATES
09/26/2000 - 08/31/2003 FY02: $0 Total: $70,760
Prin. Invest.: D KNIGHT
Tech. Officer: GRC/J K SUTTER
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 835 **DREXEL UNIV** **8051**
A PRELIMINARY INVESTIGATION OF THE E-BEAM INDUCED POLYMERIZA-TION OF MALEIMIDE AND NORBORNENE END-CAP
12/15/2000 - 04/24/2003 FY02: $0 Total: $92,381
Prin. Invest.: D R PALMESE
Tech. Officer: GRC/M A MEADOR
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 847 **DREXEL UNIV** **8052**
COMBUSTION OF UNSUPPORTED DROPLET CLUSTERS N MICRO GRAVITY
01/11/2001 - 12/18/2003 FY02: $0 Total: $59,692
Prin. Invest.: D A RUFF
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 913 **DREXEL UNIV** **8053**
INVESTIGATION OF SOOTING AND RADIATION EFFECTS ON THE BURNING OF LARGE ETHANOL AND HEPTANE DROPLETS
08/31/2001 - 07/12/2002 FY02: $0 Total: $11,250
Prin. Invest.: D Y CHOI
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 1003 **DREXEL UNIV** **8054**
DETERMINATION OF COOL FLAME QUENCHING DISTANCES AT MICRO-GRAVITY
09/13/2002 - 09/15/2003 FY02: $0 Total: $0
Prin. Invest.: H PEARLMAN
Tech. Officer: GRC/J E BROOKER
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 1006 **DREXEL UNIV** **8055**
LOW-TEMPERATURE OXIDATION AND COOL FLAMES EXPERIME NT
09/19/2002 - 09/18/2004 FY02: $0 Total: $0
Prin. Invest.: H PEARLMAN
Tech. Officer: GRC/D L URBAN
CASE Category: 49 – ENGINEERING, OTHER

NCC 9 130 **DREXEL UNIV** **8056**
PC12 PHEOCHROMOCUTOMA CELLS
05/31/2001 - 05/30/2003 FY02: $0 Total: $168,150
Prin. Invest.: P LELKE
Tech. Officer: JSC/D RISIN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 6858 **FRANKLIN-MARSHALL COLL** **8057**
STATISTICAL ALGORITHMS FOR THE ANALYSIS OF SPACE-B ASED DATASETS
02/09/1998 - 02/14/2002 FY02: $0 Total: $63,912
Prin. Invest.: D BACKMAN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NCC 2 5365 **FRANKLIN-MARSHALL COLL** **8058**
THE NSTARS PROJECT:DATABASE, ASTROPHYSICS AND ASTR OBIOLOGY RESEARCH AND SCIENTIFIC WORKSHOPS
02/01/2000 - 01/31/2001 FY02: $0 Total: $63,250
Prin. Invest.: D BACKMAN
Tech. Officer: ARC/L CAROFF
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1840 **HAHNEMANN UNIV** **8059**
DETERGENT INTERACTIONS AFFECTING MEMBRANE PROTEIN CRYSTAL-LIZATION: ANALYSIS & USE IN SCREEN DESIGN
09/28/2001 - 11/30/2004 FY02: $0 Total: $81,000
Prin. Invest.: P J LOLL, J M WEINCEK
Tech. Officer: MSFC/B GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9285 **HAVERFORD COLL** **8060**
LARGE-SCALE STRUCTURE IN THE X-RAY BACKGROUND AND LIMITS ON COSMOLGICAL PARAMETERS FROM THE INTEGRA
04/17/2000 - 04/30/2003 FY02: $0 Total: $54,764
Prin. Invest.: S P BOUGHN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NGT 5 50418 **LEHIGH UNIV** **8061**
WHEN AND HOW DID TOPOGRAPHY DEVELOP IN THE NORTHER N APENNINES AN INTEGRATIVE GIS-BASED APPRO
08/14/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: F J PAZZAGLIA
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10172 **LINCOLN UNIV - PA.** **8062**
LINCOLN'S ADVANCED SCIENCE AND ENGINEERING REINFOR CEMENT (LASER) PROGRAM
01/03/2001 - 01/14/2002 FY02: $0 Total: $30,000
Prin. Invest.: R LANGLEY
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 662 **LINCOLN UNIV - PA.** **8063**
NASA/LINCOLN UNIVRSITY TEACHER EDUCATION PARTNERSH IP: MINOR-ITY UNIVERSITMATHEMATICS, SCIENCE, & TEC
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: O RICHARD
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12416 **MUHLENBERG COLL** **8064**
INTRODUCING NEW TECHNOLOGIES INTO THE CLASSROOM K- 16
07/29/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: R MILLIGAN
Tech. Officer: HQ/S CANRIGHT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 3368 **PENN. ST. U. ERIE-BEHREND COLL** **8065**
ISO SOLAR SYSTEM MISSION-TEAM MEMBER SUPPORT
08/28/1996 - 09/30/2001 FY02: $0 Total: $60,000
Prin. Invest.: R F KNACKE
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 22 – COMPUTER SCIENCE

NGT 5 50387 PENN. STATE UNIV.-RADNOR 8066
UNVEILING THE ACCRETION DISKS WHICH FUEL ACTIVE GA LACTIC NUCLEI (STUDENT: KAREN LEWIS)
06/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M ERACLEOUS
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1044 PENNSYLVANIA STATE UNIV -HERSHEY MED. 8067
NEUROVASCULAR RESPONSE TO BED REST
07/15/1998 - 07/14/2001 FY02: $0 Total: $340,560
Prin. Invest.: L I SINOWAY
Tech. Officer: JSC/C F SAWIN
CASE Category: 56 – MEDICL

NAG 9 1259 PENNSYLVANIA STATE UNIV -HERSHEY MED. 8068
BED REST & NEUROVASCULAR FUNCTION
09/25/2000 - 11/06/2001 FY02: $0 Total: $193,608
Prin. Invest.: D MACLEAN
Tech. Officer: JSC/C W LLOYD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2147 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8069
NUMERICAL SIMULATIONS FOR LANDING GEAR NOISE GENER ATION AND RADIATION (REF:NRA 98-LARC-5)
02/05/1999 - 12/31/2001 FY02: $0 Total: $386,954
Prin. Invest.: P J MORRIS, L N LONG
Tech. Officer: LARC/R R ANTOLIFF
CASE Category: 41 – AERONAUTICALENGNR

NAG 1 2208 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8070
SIMULATION OF THE NOISE RADIATED BY RECTANGULAR JETS
06/24/1999 - 02/28/2002 FY02: $0 Total: $120,000
Prin. Invest.: P J MORRIS, L N LONG
Tech. Officer: LARC/R A GOLUB, LARC/D P GARBER
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2273 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8071
ADAPTIVE INTERFACE APPROACK USING A REAL TIME BIOCYVERNETIC SYSTEM: CONTROL OF HAZARDOUS
02/25/2000 - 02/24/2002 FY02: $0 Total: $30,000
Prin. Invest.: W J RAY
Tech. Officer: LARC/L J PRINZEL
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 1 01009 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8072
THE PHYSICAL MECHANISMS FOR TONAL NOISE GENERATION BY SLATS
01/23/2001 - 01/31/2004 FY02: $0 Total: $99,903
Prin. Invest.: P J MORRIS
Tech. Officer: LARC/M R KHORRAMI, LARC/B A SINGER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01085 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8073
AN EFFICIENT SCHEME FOR UPDATING SPARSE CHOLESKY FACTORS
05/24/2001 - 03/31/2002 FY02: $0 Total: $20,002
Prin. Invest.: P RAGHAVAN
Tech. Officer: LARC/J C NEWMAN
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 02065 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8074
SIMULATION OF METAL DEPOSITION USING ELECTRON BEAM
03/14/2002 - 11/13/2003 FY02: $0 Total: $0
Prin. Invest.: V V SEMAK
Tech. Officer: LARC/K M TAMINGER
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 2 1302 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8075
PARTICIPATION AS MISSION SCIENTIST IN OBERVATIONS FROM THE MIDDLE STRATOSPHERE DURING SOLVE
03/05/1999 - 01/31/2001 FY02: $0 Total: $104,000
Prin. Invest.: W H BRUNE
Tech. Officer: ARC/E P CONDON, ARC/R S HIPSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1342 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8076
MOLECULAR CONTROL OF CELL GROWTH DURING GRAVITY RE SPONSES OF MAIZE SEEDINGS
07/20/1999 - 07/14/2003 FY02: $0 Total: $280,398
Prin. Invest.: D J COSGROVE
Tech. Officer: ARC/M M AVERNER, ARC/D D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1366 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8077
GRAVITROPISM IN CHARA RHIZOIDS
07/30/1999 - 07/14/2003 FY02: $0 Total: $215,217
Prin. Invest.: S G GILROY
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1410 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8078
OBSTACLE DETECTION ALGORITHMS FOR ROTORCRAFT NAVIGATION
06/13/2000 - 05/14/2001 FY02: $0 Total: $59,240
Prin. Invest.: R KASTURI, O I CAMPS
Tech. Officer: ARC/A J AHUMADA, ARC/J B MULLIGAN
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1453 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8079
MEASUREMENTS OF OH AND HO2 USING ATHOS ON THE DC-8 DURING SOLVE
01/26/2001 - 01/31/2003 FY02: $0 Total: $100,000
Prin. Invest.: W H BRUNE
Tech. Officer: ARC/E P CONDON, ARC/R S HIPSKIND
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1487 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8080
WIRE DETECTION ALGORITHMS FOR NAVIGATION
06/26/2001 - 06/30/2002 FY02: $0 Total: $34,410
Prin. Invest.: R KASTURI, O I CAMPS
Tech. Officer: ARC/A J AHUMADA, ARC/J B MULLIGAN
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1524 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8081
EVALUATION OF SI-O-C FOAM CERAMICS IN SIMULATED AE ROTHEMAL ENVIRONMENTS
09/14/2001 - 12/31/2002 FY02: $0 Total: $30,000
Prin. Invest.: J R HELLMANN
Tech. Officer: ARC/D T ELLERBY, ARC/S M JOHNSON
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 1871 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8082
MICROGRAVITY EFFECTS ON TRANSENDOTHELIAL TRANSPORT
05/22/1996 - 10/21/2001 FY02: $0 Total: $460,000
Prin. Invest.: J M TAZBELL
Tech. Officer: GRC/J S LING, GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2151 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8083
MODELING OF COMBUSTION RESPONSE OF GAS TURBINE SPR AY SWIRL-STABILIZED INJECTORS TO ACOUSTIC OSCILLA
04/07/1998 - 12/31/2001 FY02: $0 Total: $135,000
Prin. Invest.: V G YANG
Tech. Officer: GRC/K L BREISACHER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2328 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8084
A NUMERICAL AND EXPERIMENTAL STUDY OF THE FLOW AND NOISE FROM SUBSONIC AND SUPERSONIC JETS
03/17/2000 - 09/30/2002 FY02: $0 Total: $181,700
Prin. Invest.: P J MORRIS
Tech. Officer: GRC/M D DAHL
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2374 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8085
MOLECULAR DYNAMIC OF FLUID SOLID SYSTEMS MOLECULAR DYNAMIC OF FLUID SOLID SYSTEMS
03/31/2000 - 12/04/2003 FY02: $0 Total: $75,000
Prin. Invest.: D BANAVAR
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2448 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8086
HEALTH MANAGEMENT AND LIFE EXTENDING CONTROL OF GA S TURBINE ENGINES
05/30/2000 - 05/14/2003 FY02: $0 Total: $95,000
Prin. Invest.: A RAY
Tech. Officer: GRC/T GUO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2470 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8087
DYNAMICS OF PARTICLES IN STATIONARY ISOTROPIC TURB ULENCE
07/11/2000 - 11/30/2003 FY02: $0 Total: $68,000
Prin. Invest.: D R COLLINS
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2501 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8088
COMBUSTION BEHAVIOR OF ADVANCED MONOPROPELLANTS COMBUSTION BEHAVIOR OF ADVANCED MONOPROPELLANTS
12/11/2000 - 10/31/2003 FY02: $0 Total: $100,000
Prin. Invest.: D KUO
Tech. Officer: GRC/B D REED
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 3 2546 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8089
EXPERIMENTAL AND THEORETICAL STUDIES OF WET GRANUL AR MEDIA
02/26/2001 - 01/31/2004 FY02: $0 Total: $76,145
Prin. Invest.: D E SCHIFFER
Tech. Officer: GRC/J H AGUI
CASE Category: 43 – CHEMICAL ENGR

NAG 3 2561 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8090
DIELECTRIC MATERIALS DEVELOPMENT FOR HIGH TEMPERATURE
03/16/2001 - 05/08/2003 FY02: $0 Total: $70,000
Prin. Invest.: D T LANAGAN
Tech. Officer: GRC/G E SCHWARZE
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2590 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8091
MEMS NOZZLE OPTIMIZATION STUDIES FOR DECOMPOSING S OLID MICROPROPULSION TECHNOLOGY
04/19/2001 - 05/31/2004 FY02: $0 Total: $58,903
Prin. Invest.: D A LEVIN
Tech. Officer: GRC/B D REED
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 3 2598 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8092
FLYWHEEL TECHNOLOGY DEVELOPMENT FOR SMALL SATELITE APPLICATIONS
04/27/2001 - 04/30/2003 FY02: $0 Total: $59,745
Prin. Invest.: H HOFMANN
Tech. Officer: GRC/B KENNY
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2603 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8093
INVESTIGATION OF ULTRAHIGH POWER DENSITY MACHINE D ESIGNS
05/04/2001 - 12/31/2001 FY02: $0 Total: $79,997
Prin. Invest.: D HOFMANN
Tech. Officer: GRC/G V BROWN
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2656 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8094
PREDICTION OF GAS LUBRICATED FOIL JOURNAL BEARING PERFORMANCE
01/24/2002 - 01/21/2005 FY02: $0 Total: $0
Prin. Invest.: M CARPINO
Tech. Officer: GRC/S A HOWARD
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2657 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8095
THRUST AUGMENTATION MEASUREMENTS USING PULSE DETON ATION EJECTOR
01/22/2002 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: R J SANTORO
Tech. Officer: GRC/D T PALAC
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2659 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8096
OPTIMIZATION OF ACTIVE CONTROL OF GAS TURBINE COMB USTION USING MAIN FLOW MODULATION IN LOW EMISSION
12/22/2001 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: D A SANTAVICCA
Tech. Officer: GRC/C T CHANG
CASE Category: 41 – AERONAUTICALENGNR

NAG 3 2729 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8097
DYNAMICS OF DROPS AND BUBBLES IN CONFINED FLOWS OF COMPLEX FLUIDS
04/02/2002 - 03/31/2006 FY02: $0 Total: $0
Prin. Invest.: A BORHAN
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2746 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8098
MICROGRAVITY EFFECTS ON TRANSVASCULAR TRANSPORT AN D VASCULAR CONTROL
04/02/2002 - 02/28/2006 FY02: $0 Total: $0
Prin. Invest.: D M TARBELL
Tech. Officer: GRC/P A PARSONS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2778 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8099
INTELLIGENT CONTROL OF AUTONOMOUS PROPULSION SYSTE MS
05/16/2002 - 12/13/2002 FY02: $0 Total: $0
Prin. Invest.: K R REICHARD
Tech. Officer: GRC/J LITT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2795 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8100
INTEGRATION OF QUANTUM DOTS INTO PROTOCRYSTALLINE SILICON SOLAR CELLS
09/06/2002 - 09/08/2003 FY02: $0 Total: $0
Prin. Invest.: C R WRONSKI
Tech. Officer: GRC/S G BAILEY
CASE Category: 45 – ELECTRICAL ENGR

NAG 4 160 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8101
LEARNING USING ERAST AIRCRAFT/LUAU
02/08/1999 - 09/30/2001 FY02: $0 Total: $230,418
Prin. Invest.: B GRABOWSKI, J A GOODE
Tech. Officer: DFRC/M MC CARTHY, DFRC/E L DUKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 3970 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8102
USE OF ARABIDOPSIS TRANSPOSON MUTANTS IN THE STUDY
03/05/1997 - 02/28/2001 FY02: $0 Total: $470,187
Prin. Invest.: N V FEDOROFF
Tech. Officer: GSFC/M AVERNER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 4301 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8103
A STUDY OF PLANETARY SYSTEMS AROUND NEUTRON STARS
04/09/1997 - 05/31/2002 FY02: $0 Total: $297,000
Prin. Invest.: D WOLSZCZAN
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 4553 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8104
THE GLOBAL WATER CYCLE: EXTENSION ACROSS THE EART
06/12/1997 - 06/30/2002 FY02: $0 Total: $5,263,454
Prin. Invest.: E J BARRON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4840 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8105
THE REGENERATING PROTOPLAST AS A SINGLE CELL MODEL IN PLANTS
06/26/1997 - 05/31/2002 FY02: $0 Total: $366,770
Prin. Invest.: R CYR
Tech. Officer: GSFC/M AVERNER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 5169 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8106
PROJECT DROPPS: THE DISTRIBUTION AND ROLE OF PARTICLES IN THE POLAR SUMMER MESOSPHERE
03/13/1998 - 12/31/2002 FY02: $0 Total: $168,596
Prin. Invest.: J D MITCHELL
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5174 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8107
VALIDATION AND PROMPT DISTRIBUTION OF ACCESS DATA FUNDING FOR FIRST YEAR OF GRANT
03/09/1998 - 03/31/2002 FY02: $0 Total: $109,080
Prin. Invest.: S COUTU
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5220 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8108
GRANT NAG5-5220 - HIGH ENERGY ANTIMATTER TELESCOPE (HEAT) - PI DR.JAMES BEATTY
03/16/1999 - 11/30/2002 FY02: $0 Total: $461,000
Prin. Invest.: J J BEATTY
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5248 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8109
COSMIC RAY ENERGETICS AND MASS (CREAM) COSMIC RAY ENERGETICS AND MASS (CREAM)
03/12/2000 - 11/30/2002 FY02: $0 Total: $296,000
Prin. Invest.: BEATTY
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5250 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8110
FIRST YEAR OF THREE YEAR EFFORT FOR PI DR. STEPHANE COUTU
03/23/2000 - 11/30/2002 FY02: $0 Total: $296,000
Prin. Invest.: S E COUTU
Tech. Officer: WFF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5256 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8111
MODIFICATION OF IONIZAITON PROPERTIES IN THE MIDDLE ATMOSPHERE BY GRAVITY WAVES
03/20/2000 - 02/10/2003 FY02: $0 Total: $514,256
Prin. Invest.: C L CROSKEY
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5277 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8112
RESEARCH IN X-RAY ASTRONOMY RESEARCH IN X-RAY ASTRONOMY
06/01/2000 - 05/15/2003 FY02: $0 Total: $265,000
Prin. Invest.: D N BURROWS, G P GARMIRE
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5313 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8113
GRAVITY WAVE FORCING THE MESOSPHERE AND LOWER THERMO-SPHERE MOUNTAIN AND CONNECTIVE WAVES
02/08/2001 - 02/09/2004 FY02: $0 Total: $79,287
Prin. Invest.: C L CROSKEY
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5356 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8114
NEW TRACK IMAGING TECHNOLOGY FOR NEXT-GENERATION G AMMA-RAY TELESCOPES
04/09/2002 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: T N JACKSON
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5363 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8115
COSMIC-RAY SPECTRUM AND COMPOSITION AT HIGH ENERGY FIRST YEAR OF FUNDING
05/16/2002 - 03/31/2007 FY02: $0 Total: $0
Prin. Invest.: S COUTU
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5369 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8116
LAYERS IN THE EQUATORIAL MESOSPHERE, MOTIONS AND A EROSOL ROCKET AND RADAR STUDY (LEMMA)
06/25/2002 - 06/18/2005 FY02: $0 Total: $0
Prin. Invest.: J MITCHELL
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5375 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8117
ROCKET INVESTIGATION OF SCATTERING LAYERS IN THE B OTTOMSIDE EQUATORIAL F REGION IONOSPHERE
06/19/2002 - 06/10/2005 FY02: $0 Total: $0
Prin. Invest.: T WHEELER
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6389 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8118
MODELING THE AIR-SEA FLUXES OF CARBONYL SYLFIDE AN D CARBON MONOXIDE USING REMOTELY SENSED DATA
10/17/1997 - 08/31/2001 FY02: $0 Total: $179,506
Prin. Invest.: R NAJJAR
Tech. Officer: GSFC/J A MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6399 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8119
THE GAS AND THE STARS OF INTERMEDIATE REDSHIFT GALAXIES (LTSA)
10/10/1997 - 10/14/2002 FY02: $0 Total: $283,394
Prin. Invest.: J CHARLTON
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6451 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8120
EVALUATION AND INTERCOMPARISON OF THREE-DIMENSIONA L MARINE CARBON CYCLE MODELS
10/24/1997 - 12/31/2001 FY02: $0 Total: $201,866
Prin. Invest.: R NAJJAR
Tech. Officer: GSFC/J CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6656 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8121
SPACE-TIME SCALING OF WATER TRANSFERS BETWEEN THE LAND SURFACE AND THE LOWER ATMOSPHERE
12/04/1997 - 10/31/2000 FY02: $0 Total: $163,955
Prin. Invest.: A P BARROS
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6737 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8122
THE STATISTICAL CONSULTING CENTER FOR ASTRONOMY (S CCA)
12/17/1997 - 12/31/2001 FY02: $0 Total: $97,886
Prin. Invest.: M AKRITAS
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7017 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8123
NEUTRON STAR ATMOSPHERES - ATP
02/17/1998 - 02/14/2002 FY02: $0 Total: $288,142
Prin. Invest.: G G PAVLOV
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7547 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8124
SATELLITE TRACKING AND RAINFALL ESTIMATION FOR SHO RT-TERM, HEAVILY PERCIPITATING STORM EVENTS
06/22/1998 - 06/30/2002 FY02: $0 Total: $235,764
Prin. Invest.: J L EVANS
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICALSCIENCE

NAG 5 7776 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8125
REMOTE SENSING OF WEST ANTARCTIC ICE SHEET SURFACE MELTING: RECOGNITION,CONTROLS, AND SIGNIFICANCE
10/27/1998 - 12/31/2002 FY02: $0 Total: $31,220
Prin. Invest.: R ALLEY
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8107 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8126
AXAF, XMM AND ASTRO-E INVESTIGATIONS OF SEYFERT/QU ASAR CENTRAL ENGINES: EXPLORING THE ENVIRONMENTS
02/05/1999 - 02/14/2004 FY02: $0 Total: $188,500
Prin. Invest.: W N BRANDT
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8422 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8127
2-RAY STUDIES OF YOUNG STELLAR OBJECTS_(LTSA 98)
04/01/1999 - 04/30/2001 FY02: $0 Total: $53,117
Prin. Invest.: E D FEIGELSON
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8710 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8128
METHANE & HYDROGEN IN EARTH'S PRIMITIVE ATMOSPHERE
08/02/1999 - 09/30/2003 FY02: $0 Total: $158,579
Prin. Invest.: J F KASTING
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 8735 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8129
MERGING MODELS AND OBSERVATIONS OF THE ATMOSPHERIC BOUNDARY LAYER'S MESOSCALE STRUCTURE DURING SGP-9
08/17/1999 - 08/14/2002 FY02: $0 Total: $117,240
Prin. Invest.: D R STAUFFER
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8738 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8130
SPACE-TIME DYNAMICS OF SOIL MOISTURE & TEMPERATURE -SCALE ISSUES
08/17/1999 - 08/14/2003 FY02: $0 Total: $71,000
Prin. Invest.: D MILLER
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9039 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8131
TECTONIC-CLIMATE INTERACTIONS IN ACTION OROGENIC BELTS: QUANTIFICATION OF DYNAMIC TOPOGRAPHY WITH S
02/10/2000 - 12/31/2000 FY02: -$841 Total: $81,191
Prin. Invest.: D W BURBANK
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9089 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8132
SEARCH FOR NEW EVIDENCE IN PRE-2.0 GA PALEOSOLS & SHALES FOR THE EARLY EVOLUTION OF ATMOSPHERIC OXYG
02/17/2000 - 01/31/2003 FY02: $0 Total: $120,000
Prin. Invest.: H OHMOTO
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 9153 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8133
THEORETICAL STUDIES OF GAMMA-RAY BURSTS WITH SWIFT
03/02/2000 - 06/30/2003 FY02: $0 Total: $60,989
Prin. Invest.: P I MESZAROS
Tech. Officer: GSFC/N GEHRELS
CASE Category: 11 – ASTRONOMY

NAG 5 9192 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8134
PHYSICS OF GAMMA RAY BURST SOURCES
03/08/2000 - 03/14/2003 FY02: $0 Total: $210,900
Prin. Invest.: P MESZAROS
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9377 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8135
THE ORIGINS AND PROPERTIES OF INTRACLUSTER STARS (LTSA 99)
04/05/2000 - 03/31/2005 FY02: $0 Total: $212,803
Prin. Invest.: R CIARDULLO
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9586 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8136
A RADICAL-VELOCITY ASSESSMENT OF CANDIDATE SIM GRID STARS FOR ASTROMETIC STABILITY, USING
05/10/2000 - 05/14/2003 FY02: $0 Total: $70,000
Prin. Invest.: R A WADE
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9587 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8137
"THIN FILM TRANSISTOR ADDRESSING ARRAYS FOR MICRO- WELL GAMMA RAY DETECTORS"
05/12/2000 - 05/14/2001 FY02: $0 Total: $100,000
Prin. Invest.: T JACKSON
Tech. Officer: GSFC/S D HUNTER
CASE Category: 11 – ASTRONOMY

NAG 5 9918 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8138
AN X-RAY STUDY OF THE MOST DISTANT QUASARS FROM THE SLOAN DIGITAL SKY SURVEY
09/05/2000 - 09/14/2002 FY02: $0 Total: $28,100
Prin. Invest.: W N BRANDT
Tech. Officer: GSFC/R F MUSKOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9924 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8139
A DETAILED STUDY OF TWO NLS1
09/05/2000 - 09/14/2003 FY02: $0 Total: $6,964
Prin. Invest.: W N BRANDT
Tech. Officer: GSFC/P M ATKINS
CASE Category: 11 – ASTRONOMY

NAG 5 9932 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8140
XMM SPECTROSCOPY OF THE X-RAY DETECTED BROAD ABSOR PTION LINEQSO CSO 755
09/07/2000 - 09/14/2003 FY02: $0 Total: $32,700
Prin. Invest.: W N BRANDT
Tech. Officer: GSFC/D F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9933 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8141
XMM STUDY OF THE BRIGHT ULTRASOFT NARROW-LINE QUAS AR NAB 0205+024
09/07/2000 - 09/14/2003 FY02: $0 Total: $5,945
Prin. Invest.: W N BRANDT
Tech. Officer: GSFC/D F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9934 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8142
CONSTRAINTS ON HO FROM TIME-DELAY MEASUREMENTS OF PG1115+080
09/06/2000 - 09/14/2003 FY02: $0 Total: $36,600
Prin. Invest.: G CHARTAS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9938 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8143
SPECTRUM AND PULSATIONS OF THE NEUTRON STAR CANDID ATE RX J0002+6246
09/06/2000 - 09/14/2002 FY02: $0 Total: $5,991
Prin. Invest.: G PAVLOV
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9939 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8144
AN XMM STUDY OF THE BRIGHT NARROW-LINE SEYFERT 1 GALAXY ARAKELIAN 564
09/06/2000 - 09/14/2003 FY02: $0 Total: $28,800
Prin. Invest.: W BRANDT
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9940 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8145
XMM SPECTROSCOPY OF MARKARIAN 6: INTRINSIC ABSORPT ION AND BLACK HOLE REGION
09/06/2000 - 09/14/2003 FY02: $0 Total: $30,300
Prin. Invest.: W N BRANDT
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9949 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8146
THROUGH BAL QUASARS BRIGHTLY
09/07/2000 - 08/31/2003 FY02: $0 Total: $33,900
Prin. Invest.: G CHARTAS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9970 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8147
PROBING CLASS O PROTOSTARS WITH HARD X-RAYS --OMC2 -3 REGION--
09/13/2000 - 09/14/2002 FY02: $0 Total: $38,300
Prin. Invest.: Y TSUBOI
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9976 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8148
RGS ABUNDANCE MEASUREMENT OF WOLF-RAYET STELLAR WIND
09/12/2000 - 01/31/2003 FY02: $0 Total: $17,000
Prin. Invest.: Y MAEDA
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9982 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8149
STRUCTURE OF THE ACCRETION FLOWS IN BROAD-LINE RADIO GALAXIES
09/13/2000 - 09/14/2002 FY02: $0 Total: $37,444
Prin. Invest.: M ERACLEOUS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10050 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8150
MERGING MODELS AND OBSERVATIONS OF THE ATMOSPHERIC BOUNDARY LAYER'S MESOSCALE STRUCTURE DURING S
09/28/2000 - 05/31/2002 FY02: $0 Total: $41,578
Prin. Invest.: K DAVIS
Tech. Officer: GSFC/E ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NAG 5 10079 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8151
MAPPING SPECTRAL LINES FROM THE DIFFUSE X-RAY BACK GROUND
10/27/2000 - 10/31/2002 FY02: $0 Total: $9,500
Prin. Invest.: D N BURROWS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10080 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8152
SHADOWING OF THE EXTRAGALACTIC SOFT X-RAY BACK- GROUND
10/27/2000 - 10/31/2002 FY02: $0 Total: $8,900
Prin. Invest.: D N BURROWS
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10089 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8153
THE X-RAY PROPERTIES OF LOCAL GALAXIES: BRIDGING THE GAP TO HIGH-Z
11/20/2000 - 11/30/2002 FY02: $0 Total: $6,703
Prin. Invest.: N BRANDT
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10541 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8154
PATTERN-BASED MONITORING OF CHANGE AT MULTIPLE SCALES THROUGH REMOTE SENSING& GIS IN FOREST
03/20/2001 - 03/14/2003 FY02: $0 Total: $50,000
Prin. Invest.: W L MYERS
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10542 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8155
STATICTICAL CHALLENGES IN MODERN ASTRONOMY III
03/13/2001 - 03/14/2002 FY02: $0 Total: $20,000
Prin. Invest.: G BABU
Tech. Officer: GSFC/D GOLOMBEK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10617 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8156
PENN STATE ACTIVITIES IN THE NASA GSFC TRANSMISSIV E MICROSHUTTER ARRAY TECHNOLOGY DEVELOPMENT PROGR
03/19/2001 - 03/31/2002 FY02: $0 Total: $64,156
Prin. Invest.: D GE
Tech. Officer: GSFC/S H MOSELY
CASE Category: 11 – ASTRONOMY

NAG 5 10706 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8157
SOFT X-RAY BACKGROUND IN THE GALACTIC ANTI-CENTER (ADP - 2000)
04/19/2001 - 04/30/2003 FY02: $0 Total: $5,209
Prin. Invest.: S PARK
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10817 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8158
A COMPREHENSIVE STUDY OF THE NARROW ABSORPTION- LINE GAS INSTRINSIC TO QUASARS
04/24/2001 - 04/30/2006 FY02: $0 Total: $86,821
Prin. Invest.: M ERACLEOUS
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10865 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8159
X-RAY RADIATION FROM NEUTRON STARS (LTSA 2000)
05/08/2001 - 05/14/2006 FY02: $0 Total: $89,000
Prin. Invest.: G PAVLOV
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11427 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8160
INFRARED SILICON IMMERSION GRATING TECHNOLOGY DEVE LOPMENT
12/03/2001 - 11/30/2004 FY02: $0 Total: $0
Prin. Invest.: J GE
Tech. Officer: GSFC/P CRANE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11472 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8161
COMBINED OBSERVATIONAL AND MODELING OF CIRRUS GENE RATED BY DEEP CONVECTION
12/19/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: J VERLINDE
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11832 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8162
MESOSPHERIC AND LOWER IONOSPHERIC EFFECTS OF SPRIT ES
03/11/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: V PASKO
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12115 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8163
COMPACT HIGH-RESOLUTION 3-D IMAGING SPECTROMETER FOR DISCOVERING OASES ON MARS
04/26/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: J GE
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12181 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8164
PLANETS AROUND NEUTRON STARS
05/20/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: A WOLSKZCZAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12242 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8165
"A WEB MAP-BASED TOOL FOR NEAR-REAL TIME MOSQUITO MANAGEMENT IN PENNSYLVANIA"
05/28/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: D A MILLER
Tech. Officer: GSFC/N MAYNARD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12257 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8166
"OPTICALLY THIN PIXEL DETECTORS FOR A BROADBAND X- RAY POLARIMETER".
06/27/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: T N JACKSON
Tech. Officer: GSFC/P V DEINS-JONES
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 12330 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8167
TRACE ELEMENT MOBILITY
06/28/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: S BRANTLEY
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12338 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8168
THE LATE ORDOVICIAN MASS EXTINCTION AND RECOVERY: DIVERSITY DYNAMICS AND GEOGRAPHIC VARIABILITY
07/15/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M E PATZKOWSKY
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 12352 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8169
PHOTOCHEMICAL MODELING OF EARTH'S EARLY ATMOSPHERE
07/03/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: J F KASTING
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12426 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8170
CHEMICAL MODELING FOR STUDIES OF GEOTREACE CAPABILITES
08/13/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: W BRUNE
Tech. Officer: GSFC/J GLEASON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1272 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8171
GRAVITATIONAL EFFECT ON THE DEVELOPMENT OF LASER WELDPOOL AND SOLIDIFICATIONMICROSTRUCTURE
05/09/1996 - 06/15/2003 FY02: $0 Total: $600,000
Prin. Invest.: J SINGH
Tech. Officer: MSFC/P DOTY, MSFC/R POWER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1452 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8172
R/S GRAVITATIONAL EFFECTS ON DISTORTION IN SINTERING
02/01/1998 - 01/31/2004 FY02: $0 Total: $565,000
Prin. Invest.: R M GERMAN
Tech. Officer: MSFC/C TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1761 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8173
CRITICAL CASMIR FORCES
05/01/2001 - 04/30/2005 FY02: $0 Total: $115,000
Prin. Invest.: M CHAN
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1792 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8174
RESEARCH ENTITLED, "VALIDATION DATA FOR FULL FLOW STAGED COMBUSION INJECTORS"
03/13/2001 - 03/31/2005 FY02: $0 Total: $367,650
Prin. Invest.: R J SANTORO
Tech. Officer: MSFC/K TUCKER
CASE Category: 43 – CHEMICAL ENGR

NAG 8 1844 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8175
FOCUSED ROCKET-EJECTOR ROCKET-BASED COMBINED-CYCLE EXPERIMENTS (RBCC)
07/16/2001 - 06/30/2002 FY02: $0 Total: $60,000
Prin. Invest.: R J SANTORO, S PAL
Tech. Officer: MSFC/J H RUFF
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 8 1854 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8176
NOVATION OF NAG8-1449 FROM YATLE TO PENN STATE
12/18/2001 - 03/01/2003 FY02: $0 Total: $0
Prin. Invest.: K GIBBLE
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 8 1873 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8177
THE STUDY OF ADVANCED LASER IGNITION CONCEPTS
08/16/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: D SANTAVICCA
Tech. Officer: MSFC/H TRINH
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1877 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8178
RESEARCH ENTITLED MODELING OF DETONATION INITIATIO N AND PROPAGATION IN COMBUSTION WAVE IGNITION
07/24/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: V YANG
Tech. Officer: MSFC/B BULLARD
CASE Category: 43 – CHEMICAL ENGR

NAG 9 1173 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8179
FACILITATED BLOOD PRESSURE CONTROL
09/22/1999 - 09/30/2002 FY02: $0 Total: $281,449
Prin. Invest.: J A PAWELCZYK
Tech. Officer: JSC/C LLOYD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1264 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8180
BONE STRAIN DURING OG EXERCISE
11/28/2000 - 10/31/2003 FY02: $0 Total: $247,831
Prin. Invest.: P CAVANAGH
Tech. Officer: JSC/C W LLOYD
CASE Category: 56 – MEDICL

NAG 9 1372 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8181
MICROFABRICATED OPTICAL BIOSENSOR ARRAYS FOR AIR QUALITY MONITORING
08/01/2001 - 09/03/2004 FY02: $0 Total: $101,397
Prin. Invest.: M V PISHKO
Tech. Officer: JSC/D RUSSO
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG10 326 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8182
NASA INTERNSHIP DEVELOPMENT PROGRAM NASA INTERNSHIP DEVELOPMENT PROGRAM
09/06/2002 - 09/08/2003 FY02: $0 Total: $0
Prin. Invest.: A FREEMAN
Tech. Officer: KSC/G BUCKINGHA
CASE Category: 49 – ENGINEERING, OTHER

NAS 3 01082 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8183
REDUCED THERMAL CONDUCTIVITY ZIRCONIA BASED THERMA L BARRIER COATINGS TBC APPLIED ON PIALUMINIDE BON
03/08/2001 - 08/30/2002 FY02: $0 Total: $100,000
Prin. Invest.: NOT AVAILABLE
Tech. Officer: GRC/R DRAPER
CASE Category: 47 – METAL & MATERIALS ENGR

NAS 3 02111 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8184
NRA FOR OPTIMIZED DESIGNS OF ULTRA-HIGH POWER DENSITY MACHINES
04/12/2002 - 01/12/2003 FY02: $0 Total: $0
Prin. Invest.: H HOFMANN
Tech. Officer: GRC/J J TRUDELL, GRC/D ERCEGOVIC
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 5 00136 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8185
SWIFT ULTRAVIOLET & OPTICAL TELESCOPES X-RAY TELESCOPE, GROUND STATION SYSTEM
04/27/2000 - 12/31/2006 FY02: $900,000 Total: $11,682,000
Prin. Invest.: J A NOUSEK
Tech. Officer: GSFC/R BORELLI
CASE Category: 11 – ASTRONOMY

NAS 8 01128 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8186
CHANDRA PROGRAM (SCIENCE INSTRUMENT) - ADVANCED CHARGE COUPLED IMAGING DEVICE SPECTROMETER (ACIS)
03/01/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: G GARMIRE
Tech. Officer: MSFC/M C SMITH, MSFC/M S OSBORNE
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 8 38252 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8187
AXAF CCD IMAGING SPECTROMETER
06/27/1990 - 03/01/2002 FY02: $0 Total: $11,442,000
Prin. Invest.: G P GARMIRE
Tech. Officer: MSFC/M E ROSENTHAL
CASE Category: 49 – ENGINEERING, OTHER

NAS 8 40890 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8188
R/S ″EXPERIMENTAL & ANALYTICAL MODELING OF THE ROCKET EJECTOR MODE″
09/04/1996 - 07/01/2001 FY02: $0 Total: $1,136,163
Prin. Invest.: S PAL, R J SANTORO
Tech. Officer: MSFC/J C MCARTHUR, MSFC/R L MOORE
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 9 99095 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8189
FOOT REATION FORCES DURING SPACE FLIGHT
05/01/1999 - 09/30/2002 FY02: $0 Total: $558,015
Prin. Invest.: P CAVANAGH
Tech. Officer: JSC/M KAMMAN
CASE Category: 56 – MEDICL

NCC 1 300 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8190
HOX MEASUREMENTS IN PEM TROPOSPHERIC B WITH THE AIRBORNE TROPOSPHERIC HYDROGEN OXIDES SENSOR
07/07/1998 - 07/30/2001 FY02: $0 Total: $720,141
Prin. Invest.: W H BRUNE
Tech. Officer: LARC/J M HOELL, JR., LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 382 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8191
NASTRAN DMAP FUZZY STRUCTURES PROGRAMMING
03/15/2000 - 12/31/2001 FY02: $0 Total: $104,028
Prin. Invest.: V W SPARROW
Tech. Officer: LARC/R D BUEHRLE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 406 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8192
MODELING THE NOISE OF ARBITRARY, MANEUVERING ROTORS
09/07/2000 - 12/21/2001 FY02: $0 Total: $62,131
Prin. Invest.: K S BRENTNER
Tech. Officer: LARC/H E JONES
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 414 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8193
TRACE-P OH & HO2 MEAS'S W/AIRBORNE TROPOSPHERIC HYDROGEN OXIDES (ATHOS) ON THE NASA DC-8
09/25/2000 - 03/31/2003 FY02: $0 Total: $472,947
Prin. Invest.: W H BRUNE
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 943 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8194
PENN STATE ROTORCRAFT CENTER OF EXCELLENCE
02/26/1996 - 12/31/2000 FY02: -$644 Total: $1,961,848
Prin. Invest.: F C SMITH, L N LONG
Tech. Officer: ARC/Y H YU, ARC/J M DAVIS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1057 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8195
CREATING THE PENN STATE ASTROBIOLOGY RESEARCH CENT ER
09/17/1998 - 06/30/2003 FY02: $0 Total: $3,441,143
Prin. Invest.: H OHMOTO
Tech. Officer: ARC/R A GRYMES, ARC/W W DOLCI
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 2 1122 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8196
A NOVEL OXIDATION-RESISTANT THERMAL PROTECTION MAT ERIAL
06/07/1999 - 08/31/2001 FY02: $0 Total: $71,820
Prin. Invest.: L R RADOVIC
Tech. Officer: ARC/C E JOHNSON, ARC/M D REZIN
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 1211 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8197
NEW TECHNIQUES FOR DATA FUSION VISUALIZATION & CON DITION MONITORING OF COMPLEX SYSTEMS
01/12/2001 - 09/30/2002 FY02: $0 Total: $235,000
Prin. Invest.: J L WISE
Tech. Officer: ARC/J E PALLIX
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 1331 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8198
ALGORITHMS FOR OBSTACLE DETECTION FOR COLLISION AV OIDANCE USING INFRARED IMAGES
04/03/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: O I CAMPS
Tech. Officer: ARC/A AHUMADA, ARC/J B MULLIGAN
CASE Category: 45 – ELECTRICAL ENGR

NCC 2 5410 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8199
GREENHOUSE MECHANISMS FOR WARMING EARLY MARS
11/22/2000 - 11/30/2002 FY02: $0 Total: $45,260
Prin. Invest.: J F KASTINGS
Tech. Officer: ARC/R E YOUNG, ARC/D DESMARAIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5511 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8200
IDENTIFYING THE STRUCTURAL BUILDING BLOCKS OF OF T HE PROTEIN UNIVERSE
08/06/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: H ZHA
Tech. Officer: ARC/S LIANG
CASE Category: 22 – COMPUTER SCIENCE

NCC 3 597 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8201
MULTIAXIAL DEFORMATION STUDY OF HIGH TEMPERATURE M ETALLIC MATERIALS
01/28/1998 - 11/30/2001 FY02: $0 Total: $238,796
Prin. Invest.: C J LISSENOEN
Tech. Officer: GRC/B A LERCH, GRC/J R ELLIS
CASE Category: 46 – MECHANICAL ENGR

NCC 3 718 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8202
COMPUTATIONAL AND EXPERIMENTAL STUDY OF ENERGETIC MATERIALS IN A COUNTERLOW MICROGRAVITY ENVIRONMENT
06/28/1999 - 06/09/2003 FY02: $0 Total: $61,980
Prin. Invest.: R A YETTER
Tech. Officer: GRC/D L UBRAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 3 767 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8203
LOW CONDUCTIVE THERMAL BARRIER COATINGS PRODUCED B Y ION BEAM ASSISTED EB-PVD WITH CONTROLLED POROSI
02/01/2000 - 01/31/2003 FY02: $0 Total: $150,000
Prin. Invest.: D SINGH
Tech. Officer: GRC/J ELDRIDGE
CASE Category: 41 – AERONAUTICALENGNR

NCC 3 848 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8204
DEFORMATON RESPONSE AND LIFE OF METALLIC COMPOSITI ES
01/12/2001 - 12/17/2002 FY02: $0 Total: $100,764
Prin. Invest.: D J LISSENDEN
Tech. Officer: GRC/S M ARNOLD
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 920 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8205
MULTISCALE COMPUTATIONAL TOOLS FOR PREDICTING THER MODYNAMICS, MOISTURE EVOLUTION AND MECHANICAL PRO
10/23/2001 - 10/21/2005 FY02: $10,000 Total: $10,000
Prin. Invest.: D CHEN
Tech. Officer: GRC/M V NATHAL
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 3 973 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8206
A PRELIMINARY STUDY: IDENTIFICATION OF THE MECHANI SMS THROUGH WHICH RECOMBINATION CENTERS ARE CREAT
07/11/2002 - 02/10/2003 FY02: $0 Total: $0
Prin. Invest.: P M LENAHAN
Tech. Officer: GRC/R S OKOJIE
CASE Category: 13 – PHYSICS

NCC 5 432 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8207
LUAU II: LEARNING USING ERAST AIRCRAFT MISSIONS FOR UNDERSTANDING REMOTE SENSING, ATMOSPHERIC SAMP
09/20/1999 - 06/30/2003 FY02: $0 Total: $538,637
Prin. Invest.: D L GRABOWSKI
Tech. Officer: GSFC/R E GABRYS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 508 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8208
NASA/GSFC COOPERATIVE ENTERPRISE, PROP # 3552
08/15/2000 - 12/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: J E FREDLEY
Tech. Officer: GSFC/M HAGOPIAN
CASE Category: 46 – MECHANICAL ENGR

NGT 1 01018 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8209
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) PREVIOUS GRANT NO. NGT-1-52249
05/25/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: S T KIEMARA
Tech. Officer: LARC/M G BALLEN
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52191 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8210
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/20/1998 - 06/30/2002 FY02: $0 Total: $78,001
Prin. Invest.: P K MCLAUGHLIN
Tech. Officer: LARC/T NORUM, LARC/B J JANSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 2 52275 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8211
NATIONAL ROTORCRAFT TECHNOLOGY CENTER (NRTC) ROTOR CRAFT CENTER OF EXCELLENCE (RCOE)
02/14/2001 - 01/31/2003 FY02: $0 Total: $623,995
Prin. Invest.: E C SMITH
Tech. Officer: GSFC/AWKERR
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 3 52359 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8212
GRADUATE STUDENT RESEARCHERS PROGRAM GRADUATE STUDENT RESEARCHERS PROGRAM
07/15/1999 - 08/14/2002 FY02: $0 Total: $66,000
Prin. Invest.: K W WANG
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 49 – ENGINEERING, OTHER

NGT 3 52368 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8213
GRADUATE STUDENT RESEARCHERS PROGRAM GRADUATE STUDENT RESEARCHERS PROGRAM
06/19/2000 - 08/14/2003 FY02: $0 Total: $44,000
Prin. Invest.: D A SANTAVICCA
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 46 – MECHANICAL ENGR

NGT 5 118 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8214
MODELING OF THE WEST ANTARCTIC ICE SHEET TO ASSESS DIVIDE STABILITY & ICE STREAM EVOLUTION/STUDENT
05/31/2001 - 08/14/2004 FY02: $0 Total: $22,000
Prin. Invest.: R B ALLEY
Tech. Officer: GSFC/M S BURRELL
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 5 119 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8215
CHARTING THE COURSE OF CIRCUMSTELLAR MATERIAL STUDENT: JOHN DEBES
05/31/2001 - 07/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: JIAN GE
Tech. Officer: GSFC/M S BURRELL
CASE Category: 11 – ASTRONOMY

NGT 5 127 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8216
TESTING BINARY BLACK HOLE CODES IN STRONG FIELD REGIMES (STUDENT: DAVID GARRISON)
06/12/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: P LAGUNA
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 30171 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8217
INTEGRATED SATELLITE, MODEL, AND FIELD-BASED STUDI ES OF CON-TROLSON THE EXTENT OF SURFACE MELTING I
09/04/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: R B ALLEY, B DAS
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30193 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8218
EDDY CORRELATION MEASUREMENT OF CO2 FLUX IN VOLCAN IC-HYDROTHERMAL ENVIRONMENTS SYS/STUDENT J. LEWIC
08/19/1999 - 08/31/2002 FY02: $0 Total: $60,668
Prin. Invest.: S BRANTLEY
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30208 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8219
UNDERSTANDING HIGH TROPICAL CIRRUS/STUDENT: MATTHEW T. BOEHM
08/18/1999 - 08/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: J VERLINDE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30224 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8220
A UNIFIED DATABASE MODEL FOR THE EXPLORATION AND ANALYSIS OF SPATIOTEMPORAL ENVIRONMENTAL
08/14/2000 - 08/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: D PEUQUET
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30420 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8221
PREDICTIVE SIGNATURES ASSOCIATED WITH THE DEVELOPM ENT OF TROPICAL WEATHER SYSTEMS IN THE EAST
09/07/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: G JENKINS
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40064 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8222
SUPPORT TO PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
02/25/1997 - 01/31/2001 FY02: $0 Total: $1,865,000
Prin. Invest.: R DEVON
Tech. Officer: HQ/J DASCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40090 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8223
PENNSYLVANIA SPACE GRANT COLL AND FELLOWSHIP PR OGRAM
02/22/2001 - 01/31/2005 FY02: $0 Total: $482,500
Prin. Invest.: R DEVON
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50236 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8224
GALAXY DISK EVOLUTION_(STUDENT: DAVID ANDERSEN)
05/27/1999 - 06/30/2002 FY02: $0 Total: $55,000
Prin. Invest.: M BERSHADY
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50247 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8225
DEEP OBSERVATIONS WITH NASA'S CHANDRA X-RAY OBSERV ATORY: RESOLVING THE DISCRETE SOURCES OF THE COS
06/02/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: N BRANDT
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50277 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8226
PEERING THROUGH THE CLOUDS: ABSORPTION STUDIES OF LUMINOUS ACTIVE GALAXIES WITH THE NEW GENERA
06/20/2000 - 07/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: W BRANDT
Tech. Officer: GSFC/L K SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50296 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8227
COSMIC RAY ENERGETICS AND MASS BALLOON EXPERIMENT STUDENT: ROBERT KILLOREN
06/26/2000 - 07/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: S COUTU
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50399 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8228
ORIGINS AND EVOLUTION OF HOT SUBDWARFS
06/13/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: R WADE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52876 PENNSYLVANIA STATE UNIV. - UNIV. PARK 8229
ADVANCED SPACE PROPULSION USING ANTIMATTER, (GSRP)
08/13/1999 - 08/14/2002 FY02: $0 Total: $66,000
Prin. Invest.: G A SMITH
Tech. Officer: MSFC/J DOWDY
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2424 PHIL COLL OF PHARMACY & SCIENCE 8230
IN VIVO EVALUATION OF A NOVEL AND IMPROVED INSTRUM ENT FOR OBJECTIVE EVALUATIONOF OPHTHALMIC LENS O
05/15/2000 - 12/15/2001 FY02: $0 Total: $49,872
Prin. Invest.: D DUBLIN
Tech. Officer: GRC/B S SINGH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10094 SWARTHMORE COLL 8231
HIGH RESOLUTION SPECTROSCOPIC DIAGNOSTICS OF HOT PLASMA IN THE STELLAR WIND OF EPSILON CANIS MAJORI
11/21/2000 - 11/30/2001 FY02: $0 Total: $23,396
Prin. Invest.: D H COHEN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 8649 TEMPLE UNIV 8232
TO DEVELOP A PROTOTYPE AUTOMATED NETWORK FAULT DIAGNOSIS SYSTEM FOR A MULTI-CAST BASED IP NETWORK
07/28/1999 - 01/31/2001 FY02: $0 Total: $59,967
Prin. Invest.: S K BISWAS
Tech. Officer: GSFC/B C DRAKE
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 9 1023 THOMAS JEFFERSON UNIV 8233
FACTORS MODULATING RADIATION INDUCED G2-DELAYS
06/15/1998 - 03/01/2003 FY02: $0 Total: $599,124
Prin. Invest.: C ILIAKIS
Tech. Officer: JSC/F A CUCINOTTA
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1342 THOMAS JEFFERSON UNIV 8234
GENETICALLY ENGINEERED COLLAGEN II FOR SMATT BIOMA TERIALS
08/22/2001 - 09/30/2004 FY02: $0 Total: $54,000
Prin. Invest.: A FERTALA
Tech. Officer: JSC/D RISEN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1400 THOMAS JEFFERSON UNIV 8235
MICROGRAVITY ON HUMAN OSTEOBLAST LIFE HISTORY: EXP INVESTIGATION AND NUMERICAL STUDY
07/02/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: I M SHAPIRO
Tech. Officer: JSC/D RISIN
CASE Category: 56 – MEDICL

NAG 3 2172 UNIV OF PENNSYLVANIA 8236
COLLOIDAL ASSEMBLY IN ENTROPICALLY DRIVEN LOW-VOLU ME-FRACTION BINARY PARTICLE SUSPENSION
06/08/1998 - 02/28/2003 FY02: $0 Total: $629,241
Prin. Invest.: A G YODH
Tech. Officer: GRC/R A WILKINSEN
CASE Category: 13 – PHYSICS

NAG 3 2417 UNIV OF PENNSYLVANIA 8237
ENGINEERING NOVEL BIOCOLLOID SUSPENSIONS ENGINEERING NOVEL BIOCOLLOID SUSPENSIONS
05/08/2000 - 11/30/2003 FY02: $0 Total: $141,500
Prin. Invest.: D A HAMMER
Tech. Officer: GRC/D W GRIFFIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 8767 UNIV OF PENNSYLVANIA 8238
COUPLING COMPUTER VISION AND ASTRONAUT PERFORMANCE FOR MULTI-PERSON MODELING AND ANALYSIS
08/25/1999 - 08/31/2002 FY02: $0 Total: $399,750
Prin. Invest.: D N METAXAS
Tech. Officer: GSFC/R CROUCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9194 UNIV OF PENNSYLVANIA 8239
MICROWAVE FOREGROUNDS AND THEIR POLARIZATION (PI TRANSF. INST ADV STUDIES NAG5-6034)
03/08/2000 - 09/30/2002 FY02: $0 Total: $249,941
Prin. Invest.: M TEGMARK
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9229 UNIV OF PENNSYLVANIA 8240
BLAST: A BALLOON-BORNE LARGE-APERTURE SUB-MILLIMET ER TELE-SCOPE - A COMPREHENSIVE PLAN FOR GALAC
03/20/2000 - 03/30/2003 FY02: $0 Total: $621,000
Prin. Invest.: M DEVLIN
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 10731 UNIV OF PENNSYLVANIA 8241
A VERY WIDE AREA SURVEY FOR TRANS-NEPTUNIAN OBJECTS
04/11/2001 - 04/14/2004 FY02: $0 Total: $35,000
Prin. Invest.: C ALCOCK
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10923 UNIV OF PENNSYLVANIA 8242
MAPPING LARGE-SCALE STRUCTURE IN THE UNIVERSE
05/22/2001 - 03/14/2005 FY02: $0 Total: $129,447
Prin. Invest.: B JAIN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10924 UNIV OF PENNSYLVANIA 8243
THE CLUSTERING OF GALAXIES AND DARK MATTER AT INTERMEDIATE REDSHIFTS (ATP 99)
05/22/2001 - 03/14/2003 FY02: $0 Total: $67,762
Prin. Invest.: B JAIN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11099 UNIV OF PENNSYLVANIA 8244
CMB POLARIZATION ANALYSIS (LTSA 2000)
07/24/2001 - 10/31/2002 FY02: $0 Total: $91,884
Prin. Invest.: M TEGMARK
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 12033 UNIV OF PENNSYLVANIA 8245
THE FORMATION AND EVOLUTION OF DARK MATTER HALOS
04/12/2002 - 04/15/2002 FY02: $0 Total: $0
Prin. Invest.: C M MA
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 8 1350 UNIV OF PENNSYLVANIA 8246
FOR RESEARCH ENTITTLED: QUANITATIVE ANALYSIS INTER ACTIONS DURING MEMBRANE PROTEIN CRYSTALLIZATION"
06/19/1997 - 10/31/2001 FY02: $0 Total: $847,373
Prin. Invest.: P LOLL
Tech. Officer: MSFC/R CROMISE, MSFC/C R TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1483 UNIV OF PENNSYLVANIA 8247
SURFACE TRANSFORMATION OF REACTIVE GLASS IN A MIRCROGRAVITY ENVIRONMENT
02/03/1998 - 01/31/2002 FY02: $0 Total: $380,250
Prin. Invest.: P DUCHEYNE
Tech. Officer: MSFC/P M DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1683 UNIV OF PENNSYLVANIA 8248
RESEARCH POLYMOSOMES: TOUGH, GRANT VESICLES FROM BLOCK COPOLYMERS
05/26/2000 - 11/30/2003 FY02: $0 Total: $164,000
Prin. Invest.: D A
Tech. Officer: MSFC/P DOTY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1161 UNIV OF PENNSYLVANIA 8249
PREDICTING VULNERABILITY OF PERFORMANCE IMPAIRMENT FROM SLEEP LOSS
09/21/1999 - 09/20/2002 FY02: $0 Total: $317,500
Prin. Invest.: H VAN D
Tech. Officer: JSC/C W LLOYD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1265 UNIV OF PENNSYLVANIA 8250
ENVIRONMENTAL BIOMEDICAL STRESS DATA
12/14/2000 - 10/31/2001 FY02: $0 Total: $70,000
Prin. Invest.: C J LAMBERTSEN
Tech. Officer: JSC/J STANFORD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1279 UNIV OF PENNSYLVANIA 8251
CREW TASK SIMULATION FOR MAINTENANCE, TRAINING AND SAFETY
02/22/2001 - 09/30/2003 FY02: $0 Total: $142,500
Prin. Invest.: N BADLER
Tech. Officer: JSC/B WOOLFORD
CASE Category: 56 – MEDICL

NAG 9 1357 UNIV OF PENNSYLVANIA 8252
IMPACT OF MICROGRAVITY ON HUMAN OSTEBLAST LIFE HIS TORY: EXPERIMENTAL INVESTIGATION & NUMERICAL STUD
08/22/2001 - 11/01/2001 FY02: $0 Total: $68,000
Prin. Invest.: L M SHAPIRO
Tech. Officer: JSC/D RISEN
CASE Category: 59 – LIFE SCIENCE, OTHER

NGT 5 30165 UNIV OF PENNSYLVANIA 8253
DEVELOPMENT OF A TIME RESOLVED VISIBLE AND ULTRAVI OLET SPEC-TROSCOPIC TECHNIQUE FOR MEASURING RES
08/31/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: H DAI, L LETENDRE
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30460 UNIV OF PENNSYLVANIA 8254
THE ANOMOLUS ISOTOPIC ENRICHMENT IN STRATOSPHERIC OZONE--A KEY TO UNDER-STANDING ATMOSPHERIC PHOTOCH
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: D HAI-LUNG
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50267 UNIV OF PENNSYLVANIA 8255
ENGINEERING BIOADHESIVE COLLOIDAL SUSPENSIONS
07/07/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: D A HAMMER
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50415 UNIV OF PENNSYLVANIA 8256
ENGINEERING BIODEGRADABLE, ARTIFICIAL LEUKOCYTES FOR TAR-GETED DELIVERY OF THERAPEUTICS IN HUMAN
08/06/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: D HAMMER
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1186 UNIV OF PITTSBURGH 8257
VESTIBULO-AUTONOMIC CIRCUITS
03/17/1998 - 03/31/2003 FY02: $0 Total: $542,675
Prin. Invest.: C D BALABAN, C A SCUDDER
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2396 UNIV OF PITTSBURGH 8258
FORCED TWO-DINENSIONAL TURBULENCE IN FREELY SUSPEN DED FILMS
04/14/2000 - 11/30/2003 FY02: $0 Total: $170,000
Prin. Invest.: D WI
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2538 UNIV OF PITTSBURGH 8259
FUNDING
02/06/2001 - 04/08/2003 FY02: $0 Total: $60,015
Prin. Invest.: W J CHOYKE
Tech. Officer: GRC/D J LARKIN
CASE Category: 13 – PHYSICS

NAG 3 2730 UNIV OF PITTSBURGH 8260
FULL-FIELD INTERFEROMETRIC MEASUREMENTS OF THICKNE SS OF FREELY SUSPENDED LIQUID FILMS
03/29/2002 - 02/19/2006 FY02: $0 Total: $0
Prin. Invest.: D L WU
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3723 UNIV OF PITTSBURGH 8261
PHOTOMETRIC ANALYSIS OF SPACECRAFT PLANETARY IMAGE
02/12/1997 - 10/31/2000 FY02: $0 Total: $305,442
Prin. Invest.: S W HAPKE
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4116 UNIV OF PITTSBURGH 8262
ELECTRON-ION RECOMBINATION PROCESSES RELATING TO P
03/03/1997 - 12/31/2002 FY02: $0 Total: $399,775
Prin. Invest.: D JOHNSON
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 5267 UNIV OF PITTSBURGH 8263
LABORATORY SUPPORT FOR THE CRYOGENIC WHOLE AIR SAMPLING OF CARBON DIOXIDE IN THE UPPER MESOSPHERE
06/01/2000 - 05/24/2003 FY02: $0 Total: $131,870
Prin. Invest.: E ZIPF
Tech. Officer: GSFC/J C BINTON
CASE Category: 13 – PHYSICS

NAG 5 7930 UNIV OF PITTSBURGH 8264
THE NATURE AND EVOLUTION OF THE GASEOUS AND STELLA R COMPONENTS OF THE GALAXY POPULATION ASSOCIATE
12/14/1998 - 12/14/2003 FY02: $0 Total: $310,981
Prin. Invest.: D A TURNSHEK
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8211 UNIV OF PITTSBURGH 8265
QUANTITATIVE SPECTROSCOPIC ANALYSES OF MASSIVE STA RS (LTSA98)
02/26/1999 - 02/29/2004 FY02: $0 Total: $227,653
Prin. Invest.: J D HILLIER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8531 UNIV OF PITTSBURGH 8266
MINIATURE IN SITU GEOCHRONOLOGY INSTRUMENT FOR PLANETARY SURFACE DEPLOYMENT: BREADBOARD DEVELOPME
06/15/1999 - 06/30/2001 FY02: $0 Total: $121,128
Prin. Invest.: B W STEWART
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 8546 UNIV OF PITTSBURGH 8267
UNRAVELING THE EVOLUTION OF GALAXIES (LTSA 98)
05/21/1999 - 03/31/2003 FY02: $0 Total: $279,861
Prin. Invest.: A CONNOLLY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 9051 UNIV OF PITTSBURGH 8268
AN INTERDISCIPLINARY_TEACHER TRAINING PROGRAM ON EARTH SYSTEM SCIENCE USING INFORMATION TECHNOLOGY
02/14/2000 - 02/14/2003 FY02: $0 Total: $76,692
Prin. Invest.: A I PANAH
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9399 UNIV OF PITTSBURGH 8269
MULTIFREQUENCY, MULTIRESOLUTION IMAGE DETECTION
04/12/2000 - 03/31/2003 FY02: $0 Total: $77,300
Prin. Invest.: A CONNOLLY
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 11 – ASTRONOMY

NAG 5 9438 UNIV OF PITTSBURGH 8270
MULTI-SPECTRAL REMOTE SENSING OF BRUSH FIRE SCARS IN ARID URBAN REGIONS:ANALYSIS OF FUTURE FIRE AND
04/14/2000 - 04/30/2003 FY02: $0 Total: $105,703
Prin. Invest.: M S RAMSEY
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9439 UNIV OF PITTSBURGH 8271
MONITORING THE HAZARDS OF SILICI VOLCANOES WITH REMOTE SENSING
04/14/2000 - 04/30/2003 FY02: $0 Total: $124,715
Prin. Invest.: M S RAMSEY
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9466 UNIV OF PITTSBURGH 8272
EMPLACEMENT OF TERRESTRIAL & PLANETARY LAVA FLOWS
04/18/2000 - 04/14/2003 FY02: $0 Total: $58,200
Prin. Invest.: D A CROWN
Tech. Officer: GSFC/J A GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9836 UNIV OF PITTSBURGH 8273
MULTI-DIMENSIONAL RADIATIVE TRANSFER IN THE CIRCUM STELLAR MEDIUM
10/05/2000 - 10/14/2001 FY02: $0 Total: $11,736
Prin. Invest.: D HILLIER
Tech. Officer: GSFC/S HEAP
CASE Category: 11 – ASTRONOMY

NAG 5 10222 UNIV OF PITTSBURGH 8274
REMOTE SENSING OF PLANETARY SURFACES: MODELING & APPLICATIONS
01/11/2001 - 01/14/2004 FY02: $0 Total: $74,200
Prin. Invest.: B W HAPKE
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10377 UNIV OF PITTSBURGH 8275
TOWARDS UNDERSTANDING STARBURST GALAXIES AT LOW & HIGH REDSHIFT (FUSE-00)
02/08/2001 - 02/14/2003 FY02: $0 Total: $17,000
Prin. Invest.: J D HILLIER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10378 UNIV OF PITTSBURGH 8276
JUST WHAT IS ETA CARINAE (FUSE 00)
02/08/2001 - 02/14/2003 FY02: $0 Total: $30,500
Prin. Invest.: J D HILLIER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10628 UNIV OF PITTSBURGH 8277
ASTROMETRIC OBSERVATION OF PLANETARY SYSTEMS DISCO VERED BY RADIAL VELOCITY TECHNIQUES
03/17/2001 - 03/14/2003 FY02: $0 Total: $24,800
Prin. Invest.: G GATEWOOD
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11959 UNIV OF PITTSBURGH 8278
ELECTRON-ION RECOMBINATION PROCESSES
04/03/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: R JOHNSEN
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12521 UNIV OF PITTSBURGH 8279
SUPPORT FOR SYMPOSIUM ON SOLAR SYSTEM REMOTE SENSI NG
08/22/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: B HAPKE
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1587 UNIV OF PITTSBURGH 8280
R/S FREELY SYSPENED LIQUID FILMS AND THEIR APPLICATIONS IN BIOLOGICAL RESEARCH
01/28/1999 - 11/30/2002 FY02: $0 Total: $283,050
Prin. Invest.: X L WU
Tech. Officer: MSFC/B GUYNES
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NAG 9 1036 UNIV OF PITTSBURGH 8281
SLEEPING SHORT
06/22/1998 - 07/26/2002 FY02: $0 Total: $695,951
Prin. Invest.: T H MONK
Tech. Officer: JSC/C W LLOYD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1234 UNIV OF PITTSBURGH 8282
SLEEP STUDY
10/18/2000 - 09/30/2003 FY02: $0 Total: $267,523
Prin. Invest.: T H MONK
Tech. Officer: JSC/C W LLOYD
CASE Category: 56 – MEDICL

NAS 2 02058 UNIV OF PITTSBURGH 8283
FUNDAMENTAL TECHNOLOGIES FOR DEVELOPMENT OF BIOMOLECULAR SENSORS
12/20/2001 - 12/10/2004 FY02: $0 Total: $0
Prin. Invest.: S ASHER, R GETZENBERG, D FINGOLD
Tech. Officer: ARC/J HINES, ARC/P FUNG
CASE Category: 56 – MEDICL

NAS 8 97111 UNIV OF PITTSBURGH 8284
OPERATION AND MANAGEMENT OF THE NASA MID-ATLANTIC TECHNOLOGY CENTER
01/29/1997 - 02/23/2001 FY02: $0 Total: $5,354,999
Prin. Invest.: L HUMMEL
Tech. Officer: LARC/P I CARAWAY
CASE Category: 42 – ASTRONAUTICAL ENGR

NGT 5 125 UNIV OF PITTSBURGH 8285
EVOLUTION OF THE MARTIAN HIGHLANDS: IMPLICATIONS FROM DRAINAGE BASIN CHARACTERISTICS AND VALLEY
06/11/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: D A CROWN
Tech. Officer: GSFC/M S BURRELL
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 5 50252 UNIV OF PITTSBURGH 8286
AUTOMATED LEARNING WITH PROBABILISTIC NETWORKS FOR STUDY & EXPLORATION OF THE UNIVERSE/STUDENT: DENV
06/08/1999 - 01/31/2003 FY02: $0 Total: $66,000
Prin. Invest.: M DRUZDZEL
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50256 UNIV OF PITTSBURGH 8287
THE ROLE OF THE CEREBELLUM IN CARDIOVASCULAR RESPO NSES TO CHANGES IN GRAVITY STUDENT: MICHAEL HOLME
07/07/1999 - 06/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: B J YATES
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50292 UNIV OF PITTSBURGH 8288
MULTISENSORY INTEGRATION IN THE VESTIBULAR NUCLEI: IMPLICATIONS FOR RECOVERY OF FUNCTION FOLLOWING
07/06/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: B J YATES
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50318 UNIV OF PITTSBURGH 8289
CORTICAL REPRESENTATION OF SPACE IN HUMANS/STUDENT ELISHA MERRIAM
07/11/2000 - 07/14/2003 FY02: $0 Total: $44,000
Prin. Invest.: C L COLBY
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50408 UNIV OF PITTSBURGH 8290
ROLE OF THE VESTIBULAR NUCLEI IN RECOVERY OF ORTHO STATIC TOLERANCE FOLLOWING VESIBULAR LESIONS
07/31/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: B YATES
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7113 VILLANOVA UNIV 8291
DETERMINING THE PHYSICAL PROPERTIES OF THE MAIN SE QUENCE B STARS
03/25/1998 - 03/31/2003 FY02: $0 Total: $44,393
Prin. Invest.: E FITZPATRICK
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8388 VILLANOVA UNIV 8292
NEW INSIGHTS INTO THE STRUCTURE & EVOLUTION OF CV WHITE DWARFS USING THE IUE NEWSIPS FINAL ARCHIVE
03/05/1999 - 03/14/2002 FY02: $0 Total: $81,017
Prin. Invest.: E M SION
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8985 VILLANOVA UNIV 8293
SOLAR PHYSICS WITH FUSE: FUV STUDIES OF SOLAR ANALOGS & TWINS - FUSE
01/27/2000 - 07/31/2002 FY02: $0 Total: $65,700
Prin. Invest.: E F GUINAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10369 VILLANOVA UNIV 8294
THE COSMIC DISTANCE SCALE: AN ACCURATE DISTANCE TO THE LMC USING ECLIPSING BINARIES (FUSE 00)
02/08/2001 - 02/14/2003 FY02: $0 Total: $62,500
Prin. Invest.: E F GUINAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10385 **VILLANOVA UNIV** **8295**
A STUDY OF THE ATMOSPHERES OF THE MAIN SEQUENCE B STARS (FUSE 00)
02/08/2001 - 02/14/2003 FY02: $0 Total: $42,500
Prin. Invest.: E L FITZPATRICK
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10386 **VILLANOVA UNIV** **8296**
PHYSICS OF BOUNDARY LAYERSWHITE DWARF ACCRETION IN DWARF NOVAE (FUSE 00)
02/08/2001 - 05/31/2003 FY02: $0 Total: $57,900
Prin. Invest.: E M SION
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10387 **VILLANOVA UNIV** **8297**
THE FUV SUN IN TIME A STUDY OF SOLAR ANALOGS OF DIFFERENT AGES (FUSE 00)
02/08/2001 - 02/14/2003 FY02: $0 Total: $30,400
Prin. Invest.: E F GUINAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10686 **VILLANOVA UNIV** **8298**
CNO ABUNDANCES IN LMC BN AND BC SUPERGIANTS (FUSE 2000)
04/04/2001 - 04/14/2003 FY02: $0 Total: $27,208
Prin. Invest.: E L FITPATRICK
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11482 **VILLANOVA UNIV** **8299**
ACCRETING WHITE DWARFS IN CATACLYSMIC BINARIES (ADP 2001)
12/21/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: E M SION
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 12067 **VILLANOVA UNIV** **8300**
PROBING WHITE DWARF ACCRETORS AND INNER DISK STRUC TURE OF HIGH ACCRETIONRATE DWARF NOVAE
04/26/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: E M SION
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12125 **VILLANOVA UNIV** **8301**
FUSE OBSERVATIONS OF THE SUN IN TIME: TRANSITION REGION PHYSICS AND EVOLUTION FUV IRRADIANCES
05/09/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: E F GUINAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12137 **VILLANOVA UNIV** **8302**
HIGH-LATITUDE B STARS (FUSE 2001)
05/01/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: E FITZPATRICK
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12138 **VILLANOVA UNIV** **8303**
ECLIPSING BINARIES IN THE LMC (FUSE 02)
05/01/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: E F QUINAN
Tech. Officer: GSFC/G Q SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 6080 **WEST CHESTER UNIV OF PA** **8304**
WEST CHESTER UNIV CONCEPTS & PEDAGOGICAL
08/27/1997 - 07/14/2002 FY02: $0 Total: $19,625
Prin. Invest.: R M BUSCH
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

RHODE ISLAND

NAG 3 1929 **BROWN UNIV** **8305**
KINETIC AND THERMODYNAMIC STUDIES OF MELTING-FREEZ ING OF HELIUM MICROGRAVITY
07/24/1996 - 05/31/2003 FY02: $0 Total: $403,923
Prin. Invest.: D ELBAUM, J M KOSTERLITZ
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2668 **BROWN UNIV** **8306**
PERFORMANCE OF NANOTUBE-BASED CERAMIC COMPOSITES: MODEL-ING AND EXPERIMENT
11/29/2001 - 10/08/2004 FY02: $0 Total: $0
Prin. Invest.: W A CURTIN
Tech. Officer: GRC/J B HURST
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3659 **BROWN UNIV** **8307**
PLANETARY GEOPHYSICS AND TECTONICS
03/07/1997 - 10/31/2002 FY02: $0 Total: $379,644
Prin. Invest.: E PARMENTIER
Tech. Officer: GSFC/JG GRANTS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3871 **BROWN UNIV** **8308**
REFLECTANCE EXPERIMENT LABORATORY
02/14/1997 - 09/30/2002 FY02: $0 Total: $521,039
Prin. Invest.: C M PIETERS
Tech. Officer: GSFC/J GGRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3872 **BROWN UNIV** **8309**
BROWN REGIONAL PLANETARY DATA CENTER
02/14/1997 - 09/30/2001 FY02: $0 Total: $216,769
Prin. Invest.: P H SCHULTZ
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3877 **BROWN UNIV** **8310**
PLANETARY IMPACT PROCESSES
02/14/1997 - 09/30/2002 FY02: $0 Total: $704,152
Prin. Invest.: P H SCHULTZ
Tech. Officer: GSFC/D G SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3933 **BROWN UNIV** **8311**
GEOLOGICAL MAPPING OF VENUS: ORIGIN OF BASINS AND STRATIGRAPHY
02/13/1997 - 02/14/2002 FY02: $0 Total: $290,950
Prin. Invest.: D W HEAD,III
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 5133 **BROWN UNIV** **8312**
A HIGH RESOLUTION X-RAY DETECTOR USING MAGNETIC BOLOMETERS
03/12/1997 - 09/30/2001 FY02: $0 Total: $400,000
Prin. Invest.: G SEIDEL
Tech. Officer: GSFC/B FLOWERS
CASE Category: 13 – PHYSICS

NAG 5 6144 **BROWN UNIV** **8313**
MARS OBSERVER LASER ALTIMETER (MOLA) PARTICIPATION
08/19/1997 - 12/31/2003 FY02: $0 Total: $560,000
Prin. Invest.: J W HEAD
Tech. Officer: GSFC/D E SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7082 **BROWN UNIV** **8314**
AN ULTRASPECTROMETER (MEMUS) FOR PLANETARY SURFACE ANALYSIS
03/10/1998 - 03/31/2002 FY02: $0 Total: $455,444
Prin. Invest.: P H SCHULTZ
Tech. Officer: GSFC/B CAMPBELL
CASE Category: 11 – ASTRONOMY

NAG 5 7866 **BROWN UNIV** **8315**
DIAPIRISM AND SOLID-STATE CONVECTION ON EUROPA
01/12/1999 - 12/31/2001 FY02: $0 Total: $80,000
Prin. Invest.: D T PAPPALARDO
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8046 **BROWN UNIV** **8316**
ORIGIN, STRUCTURE, AND EVOLUTION OF GROOVED TERRAI N ON GANYMEDE AND COMPARISON TO EUROPA
01/15/1999 - 01/14/2002 FY02: $0 Total: $126,523
Prin. Invest.: D T PAPPALARDO
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8174 **BROWN UNIV** **8317**
KINETICS OF MELTING AND DISSOLUTION IN LUNAR MATER IALS
02/04/1999 - 10/31/2002 FY02: $0 Total: $188,000
Prin. Invest.: D C HESS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8181 **BROWN UNIV** **8318**
EXPERIMENTS AND SPECTRAL STUDIES OF MARTIAN VOLCAN IC ROCKS: IMPLICATIONSFOR THE ORIGIN OF PATHFINDE
02/16/1999 - 09/30/2002 FY02: $0 Total: $169,300
Prin. Invest.: M J RUTHERFORD
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8972 **BROWN UNIV** **8319**
MINERALOGY OF THE MARTIAN SURFACE: CRUSTAL COMPOSI TION TO SURFACE PROCESSES
01/28/2000 - 02/28/2003 FY02: $0 Total: $144,300
Prin. Invest.: J F MUSTARD
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9287 **BROWN UNIV** **8320**
REMOTE SENSING INFORMATION APPLIED TO GEOLOGICAL STUDIES OF PLANETS
03/16/2000 - 03/31/2002 FY02: $0 Total: $48,000
Prin. Invest.: C PIETERS
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9453 **BROWN UNIV** **8321**
BLAST: A BALLOON-BORNE LARGE-APERTURE SUB-MILLIMET ER TELESCOPE - A COMPREHENSIVE PLAN FOR GALAC
04/13/2000 - 04/14/2003 FY02: $0 Total: $215,000
Prin. Invest.: G TUCKER
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 9522 **BROWN UNIV** **8322**
EXPERIMENTAL STUDY OF LUNAR MAGMAS & MAGMATIC PROCESSES
04/26/2000 - 04/30/2003 FY02: $0 Total: $92,000
Prin. Invest.: M J RUTHERFRD
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 9589 **BROWN UNIV** **8323**
REFLECTANCE & THERMAL INFRARED SPECTROSCOPY OF MAR RELATIONSHIP BETWEEN ISM & TES FOR COMPOS
05/12/2000 - 05/14/2003 FY02: $0 Total: $103,600
Prin. Invest.: J F MUSTARD
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9780 **BROWN UNIV** **8324**
MARTIAN VOLCANIC EDIFICE & DEPOSIT CHARACTERIZATIO N: VOLCANIC STYLE, MAGMA TRANSPORT & EDIFICE/CALD
07/10/2000 - 06/30/2002 FY02: $0 Total: $146,000
Prin. Invest.: J W HEAD
Tech. Officer: GSFC/J BOYCE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10010 **BROWN UNIV** **8325**
REGOLITH PROCESSES AND THE COMPOSITIONAL DIVERSITY OF MARE BASALTS
09/25/2000 - 09/30/2003 FY02: $0 Total: $74,000
Prin. Invest.: C M PIETERS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10031 **BROWN UNIV** **8326**
ANALYSIS OF LUNAR PROSPECTOR MAGNETOMETER/ELECTRON REFLECTOMETER (MAG/ER) EXPERIMENT DATA TO ASSIST
09/28/2000 - 09/30/2003 FY02: $0 Total: $67,000
Prin. Invest.: J W HEAD III
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10188 **BROWN UNIV** **8327**
NORTHEAST REGIONAL PLANETARY DATA CENTER
01/03/2001 - 01/14/2004 FY02: $0 Total: $50,900
Prin. Invest.: P H SCHULTZ
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 10383 **BROWN UNIV** **8328**
DETECTORS WITH BREAK THROUGH ENERGY RESOLUTION USING MAGNETIC SENSORS
02/07/2001 - 02/14/2004 FY02: $0 Total: $260,030
Prin. Invest.: G SEIDEL
Tech. Officer: GSFC/C STAHLE
CASE Category: 11 – ASTRONOMY

NAG 5 10401 **BROWN UNIV** **8329**
REMOTE SENSING INFORMATION APPLIED TO GEOLOGICAL STUDIES OF PLANETS
02/13/2001 - 01/31/2004 FY02: $0 Total: $40,000
Prin. Invest.: C M PIETERS
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10469 **BROWN UNIV** **8330**
MINERALOGY OF LUNAR SAMPLES FROM REFLECTANCE SPECT ROSCOPY
02/27/2001 - 03/31/2002 FY02: $0 Total: $35,000
Prin. Invest.: C PIETERS
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10573 **BROWN UNIV** **8331**
TESTS FOR STANDING BODIES OF WATER IN THE NORTHERN LOWLANDS AND RELATION TO SOUTH POLAR DEPOSITS IN
03/13/2001 - 03/14/2002 FY02: $0 Total: $80,000
Prin. Invest.: J HEAD
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10665 **BROWN UNIV** **8332**
HYDROGEN ISOTOPIC COMPOSITIONS OF INDIVIDUAL ORGANIC COMPOUNDS IN CARBONACEOUS METEORITES
03/21/2001 - 03/31/2004 FY02: $0 Total: $70,000
Prin. Invest.: Y HUANG
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10690 **BROWN UNIV** **8333**
VOLCANIC LANDFORMS & DEPOSITS: DIVERSITY OF ERUP TION CONDITIONS & IMPLICATIONS FOR THE ASCENT
03/30/2001 - 03/31/2003 FY02: $0 Total: $36,000
Prin. Invest.: J HEAD
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11145 **BROWN UNIV** **8334**
LANDSCAPE DYNAMICS AND LAND-USE/LAND-COVER CHANGE IN THE GREAT BASIN/MOJAVE DESERT REGION
07/25/2001 - 08/14/2004 FY02: $0 Total: $61,387
Prin. Invest.: J F MUSTARD
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11538 **BROWN UNIV** **8335**
PLANETARY IMPACT PROCESSES
01/04/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: P H SCHULTZ
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11763 **BROWN UNIV** **8336**
MINERALOGY OF LUNAR MATERIALS FROM REFLECTANCE, SP ECTROSCOPY: MEASUREMENT, ANALYSIS, AND
02/21/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: C PIETERS
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11774 **BROWN UNIV** **8337**
GEOLOGICAL MAPPING GANYMEDE: A POST-GALILEO VIEW
02/28/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: J W HEAD
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11775 **BROWN UNIV** **8338**
GEOLOGICAL MAPPING OF VENUS: ORIGINS OF MAJOR TOP OGRAPHIC FEATURES AND DEVELOPING CRITERIA TO TEST
02/27/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: J W HEAD
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11931 **BROWN UNIV** **8339**
1ETROGENESIS OF MARE BASALTS, MG-RICH SUITES AND SNC PARENT MAGMAS
04/03/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: P C HESS
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12225 **BROWN UNIV** **8340**
EXPERIMENTS & SPECTRAL STUDIES OF MARTIAN VOLCANIC ROCKS: FACTORS AFFECTING MGS AND MARS PATHFINDER
05/22/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: M J RUTHERFORD
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12254 **BROWN UNIV** **8341**
MARTIAN VOLCANIC EDIFICE & DEPOSIT CHARACTERIZATIO N: VOLCANIC STYLE, MAGMA TRANSPORT & EDIFICE/C
06/05/2002 - 06/14/2005 FY02: $0 Total: $0
Prin. Invest.: J W HEAD
Tech. Officer: GSFC/J BOYCE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 12286 **BROWN UNIV** **8342**
GEOLOGIC UNITS ON MARS: STATISTICAL CHARACTERIZA- TION OF TOPOGRAPHY & GEOLOGICAL ASSESSENT OF PROP
06/11/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: M KRESLAVSKY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12327 **BROWN UNIV** **8343**
SYNTHESIS AND SURVIVAL OF ORGANICS DURING HYPER- VELOCITY IMPACTS
06/27/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: P H SCHULTZ
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12474 **BROWN UNIV** **8344**
TESTS FOR STANDING BODIES OF WATER IN THE NORTHERN LOWLANDS AND RELATIONTO SOUTH POLAR DEPOSITS IN
08/20/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: J HEAD
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 8 1774 **BROWN UNIV** **8345**
COALESCENCE OF SUPERFLUID HELIUM DROPS IN A MICRO- GRAVITY ENVIRONMENT
04/30/2001 - 04/29/2005 FY02: $0 Total: $79,946
Prin. Invest.: H J MARIS
Tech. Officer: MSFC/D HUBBARD
CASE Category: 13 – PHYSICS

NAG 9 1302 **BROWN UNIV** **8346**
SNC OXYGEN FUGACITY RECOREDED PYROXENES: AN EXPERI MENTAL & ANALYTICAL STUDY
06/15/2001 - 06/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: M RUTHERFORD
Tech. Officer: JSC/J JONES
CASE Category: 56 – MEDICL

NCC 1 01035 **BROWN UNIV** **8347**
RELAXATN & PRECONDITNG 4 HI-ORDER DISCONTINUOUS GALERKIN METHODS W/APPLIC AEROACOUSTICS & H/S FLOW
03/21/2001 - 11/30/2003 FY02: $0 Total: $20,129
Prin. Invest.: C W SHU
Tech. Officer: LARC/H L ATKINS
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 2 1217 **BROWN UNIV** **8348**
CAUSAL REASONING
03/13/2001 - 02/28/2003 FY02: $0 Total: $115,000
Prin. Invest.: S A SLOMAN
Tech. Officer: ARC/M SHAFTO
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 487 **BROWN UNIV** **8349**
PRECISION AND ACCURACY OF ALI DATA FOR THE DETERMI NATION OF VEGETATION ABUNDANCE
04/05/2000 - 09/30/2002 FY02: $2,500 Total: $101,400
Prin. Invest.: J F MUSTARD
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC13 98005 **BROWN UNIV** **8350**
BROWN UNIV AFFILIATED RESEARCH CENTER FOR THE NORTHEAST
09/15/1998 - 06/30/2002 FY02: $0 Total: $500,000
Prin. Invest.: J F MUSTARD
Tech. Officer: SSC/H CARR
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 01024 **BROWN UNIV** **8351**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/11/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: A KANESKY
Tech. Officer: LARC/M H CARPENTER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NGT 1 01037 **BROWN UNIV** **8352**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
06/28/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: C SHA
Tech. Officer: LARC/H L ATKINS
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NGT 3 52369 **BROWN UNIV** **8353**
GRADUATE STUDENT RESEARCHERS PROGRAM GRADUATE STUDENT RESEARCHERS PROGRAM
06/20/2000 - 08/31/2002 FY02: $0 Total: $44,000
Prin. Invest.: G P CRAWFORD
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 45 – ELECTRICAL ENGR

NGT 5 91 **BROWN UNIV** **8354**
SWITCHABLE/TUNABLE INTERFERENCE FILTERS FOR REMOTE SENSING APPLICATIONS STUDENT:ADAM FONTECCHIO
06/10/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: G CRAWFORD
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 49 – ENGINEERING, OTHER

NGT 5 40106 **BROWN UNIV** **8355**
RHODE ISLAND SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/06/2001 - 02/28/2005 FY02: $0 Total: $344,317
Prin. Invest.: P H SCHULTZ
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50166 **BROWN UNIV** **8356**
EFFECTS OF HIGH STRAIN-RATE DEFORMATION ON IMPACT MELT GEN-ERATION
06/04/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: P H SCHULTZ
Tech. Officer: GSFC/L SMITH
CASE Category: 11 – ASTRONOMY

NGT 5 50355 **BROWN UNIV** **8357**
INHOMOGENEITIES IN SUPERSTRING COSMOLOGY
05/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: R BRANDENBERGER
Tech. Officer: HQ/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 53 **BROWN UNIV** **8358**
TRAINING GRANT/REGOLITH PROCESS ON AIRLESS BODIES
06/06/2001 - 06/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: C PIETERS
Tech. Officer: JSC/D MACKAY
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 9 63 **BROWN UNIV** **8359**
SNC OXYGEN FUGACITY RECORDED IN THE PYROGENES
06/07/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M MACANTA
Tech. Officer: JSC/J JONES
CASE Category: 32 – GEOLOGICAL SCIENCE

NGT 9 66 BROWN UNIV 8360
REGOLITH PROCESES ON AIRLESS BODIES: AN ESSENTIAL LINK BETWEEN SAMPLE ANALYSIS & REMOTE SENSING
08/23/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: C PIETERS
Tech. Officer: JSC/L KELLER
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 3 2208 UNIV OF RHODE ISLAND 8361
CERAMIC BASED STRAIN SENSORS FOR USE AT HIGH TEMPE RATURE
11/17/1998 - 03/30/2002 FY02: $0 Total: $180,000
Prin. Invest.: O GREGORY
Tech. Officer: GRC/J LEI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2229 UNIV OF RHODE ISLAND 8362
NUMERICAL SIMULATIONS FOR THE DESIGN OF TERRESTRIA L AND MICROGRAVITY WETTING MICROHYDRODYNAMICS EXP
03/09/1999 - 12/31/2000 FY02: $0 Total: $30,888
Prin. Invest.: A BOSE
Tech. Officer: GRC/D A JACQUMIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2434 UNIV OF RHODE ISLAND 8363
PHASE CHANGE IN LOW AND JITTERING GRAVITY ENVIRONM ENT SIMULATED VIA ELECTROMAGNETIC FIELD
05/30/2000 - 11/30/2003 FY02: $0 Total: $71,811
Prin. Invest.: D FAGHRI
Tech. Officer: GRC/H C DEGROH
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2652 UNIV OF RHODE ISLAND 8364
FLAME SPRAY STRAIN GAGES WITH IMPROVED DURABILITY AND LIFETIMES
12/12/2001 - 12/11/2003 FY02: $0 Total: $0
Prin. Invest.: O GREGORY
Tech. Officer: GRC/G C FRALICK
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2655 UNIV OF RHODE ISLAND 8365
CERAMIC STRAIN GAGES FOR USE AT TEMPERATURES UP TO 1500 DEGREES C
12/31/2001 - 12/11/2003 FY02: $0 Total: $0
Prin. Invest.: D GREGORY
Tech. Officer: GRC/G C FRALICK
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 6560 UNIV OF RHODE ISLAND 8366
DETERMINATION OF OCEAN COLOR PROVINCES IN THE NORT H ATLANTIC
10/27/1997 - 10/31/2002 FY02: $0 Total: $440,122
Prin. Invest.: P M STEGMANN
Tech. Officer: GSFC/J YODER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6645 UNIV OF RHODE ISLAND 8367
SATELLITE STUDIES OF PHYTOPLANKTON DYNAMICS AND PR ODUCTIVITY IN THE GLOBAL OCEAN AND IN OCEAN M
12/01/1997 - 10/14/2001 FY02: $0 Total: $553,256
Prin. Invest.: J A YODER
Tech. Officer: GSFC/J CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8739 UNIV OF RHODE ISLAND 8368
INVESTIGATION OF AERODYNAMIC AND RADOMETRIC LAND SURFACE TEMPERATURES
08/19/1999 - 08/14/2002 FY02: $0 Total: $30,998
Prin. Invest.: Y WANG
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8829 UNIV OF RHODE ISLAND 8369
MULTIPLE INNOVATIVE MODELS IN REGIONAL LAND COVER CHANGE STUDIES
09/08/1999 - 09/30/2002 FY02: $62,776 Total: $245,260
Prin. Invest.: Y WANG
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9633 UNIV OF RHODE ISLAND 8370
EXTENSION OF THE 1KM PATHFINDER AVHRR SST ARCHIVE BOTH IN TIME AND SPACE
05/26/2000 - 04/30/2003 FY02: $0 Total: $226,250
Prin. Invest.: P CORNILLON
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9724 UNIV OF RHODE ISLAND 8371
U.S. COASTAL BLENDED IN SITU AND REMOTELY-SENSED OCEAN CHLOROPHYLL DATA SETS
06/29/2000 - 06/30/2003 FY02: $0 Total: $38,467
Prin. Invest.: J YODER
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10554 UNIV OF RHODE ISLAND 8372
WIND-INDUCED SHORT TIME-SCALE FLUCTUATIONS OF PHYTOPLANKTON BIOMASS
03/12/2001 - 03/14/2004 FY02: $0 Total: $65,264
Prin. Invest.: B UZ
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10555 UNIV OF RHODE ISLAND 8373
SATELLITE STUDIES OF COUPLED BIOLOGICAL & PHYSICAL VARIABILITY IN OCEAN MARGIN WATERS OF THE NORTHWE
03/12/2001 - 03/14/2004 FY02: $0 Total: $180,571
Prin. Invest.: J YODER
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 12283 UNIV OF RHODE ISLAND 8374
STUDY OF THE CIRCULATIONS THAT CONNECT THE TROPICA L, SUBTROPICAL, ANDE SUBPOLAR REGIONS IN THE PAC
06/13/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: L ROTHSTEIN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 1 302 UNIV OF RHODE ISLAND 8375
HYDROGEN PEROXIDE, METHYDROPEROXIDE & FORMALDEHYDE --THEIR RELATIONSHIP TO TROPOSPHERICOXIDANT CHEM
07/14/1998 - 06/30/2001 FY02: $0 Total: $319,007
Prin. Invest.: B HEIKES
Tech. Officer: LARC/J L RAPER, LARC/R J BENDURA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 408 **UNIV OF RHODE ISLAND** **8376**
HYDROGEN PEROXIDE,METHYLHYDROGEN PEROXIDE, & FOR- MALDE-HYDE TRANSPORT & CHEM EVOLUTION OVER PACIFIC
09/07/2000 - 02/14/2003 FY02: $0 Total: $199,870
Prin. Invest.: D W O'SULLIVAN, B G HEIKES
Tech. Officer: LARC/J L RAPER, SR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1275 **UNIV OF RHODE ISLAND** **8377**
SUBSURFACE BIOSPHERES
07/20/2001 - 06/30/2006 FY02: $0 Total: $292,933
Prin. Invest.: S D'HONDT, A TESKE, K HINRICHS
Tech. Officer: ARC/R A GRYMES, ARC/W DOLCI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 307 **UNIV OF RHODE ISLAND** **8378**
THE DISTRIBUTED OCEANOGRAPHIC DATA SYSTEM (DODS):A FRAME-WORK FOR ACCESS TO SCIENTIFIC DATA IN THE EO
04/27/1998 - 12/31/2002 FY02: $227,000 Total: $2,506,200
Prin. Invest.: P CORNILLON
Tech. Officer: GSFC/M MAIDEN
CASE Category: 33 – OCEANOGRAPHY

SOUTH CAROLINA

NAG 5 11761 **CLAFLIN COLL** **8379**
ASTROCHEM PROJECT
03/12/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: A WILLIAMS
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2214 **CLEMSON UNIV - CLEMSON** **8380**
THERMAL CONTROL AND ENHANCEMENT OF HEAT CAPACITY O F CRYO-GENIC CAPILLARY PUMPED LOOP AND HEAT PIPE W
01/22/1999 - 11/01/2002 FY02: $0 Total: $69,658
Prin. Invest.: D M OCHTERBECK
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 5186 **CLEMSON UNIV - CLEMSON** **8381**
COUPLING OF DYNAMICS IN AURORA FUNDING FOR FIRST YEAR OF GRANT
03/30/1998 - 02/28/2003 FY02: $0 Total: $383,363
Prin. Invest.: M F LARSEN
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5242 **CLEMSON UNIV - CLEMSON** **8382**
A SOUNDING ROCKET INVESTIGATION OF THE FINE STRUCTURE IN THE MESOPAUSE REGION
03/16/1999 - 08/31/2002 FY02: $0 Total: $244,100
Prin. Invest.: M F LARSEN
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5259 **CLEMSON UNIV - CLEMSON** **8383**
FIRST YEAR OF THREE YEAR EFFORT/ A SEQUENTIAL ROCKET INVESTI-GATION OF WINDS AND PLASMA LAYERS
04/11/2000 - 03/23/2003 FY02: $0 Total: $206,700
Prin. Invest.: M F LARSEN
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5317 **CLEMSON UNIV - CLEMSON** **8384**
MAPPING THE E-REGION AND ZONAL WINDS NEAR A STABLE AURORAL ARC, USING A NEAR-HORIZONTAL CHEMICAL TRA
03/19/2001 - 02/28/2004 FY02: $0 Total: $96,100
Prin. Invest.: M F LARSEN
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5320 **CLEMSON UNIV - CLEMSON** **8385**
MULTIPLE-SCALE STUDY OF HIGH-LATITUDE JOULE HEATING DURING A SUBSTORM EVENT
04/26/2001 - 12/31/2003 FY02: $0 Total: $144,700
Prin. Invest.: M LARSON
Tech. Officer: GSFC/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5325 **CLEMSON UNIV - CLEMSON** **8386**
OBSERVING AND MEASURING EARLY OPTICAL LIGHT CURVES FROM GAMMA-RAY BURSTS WITH LOTIS
03/21/2001 - 09/30/2002 FY02: $0 Total: $15,000
Prin. Invest.: D H HARTMANN
Tech. Officer: WFF/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 5372 **CLEMSON UNIV - CLEMSON** **8387**
ELECTRODYNAMICS OF THE NIGHTTIME EQUATORIAL IONOSP HERE: THE EFFECTS OF WINDS AND WAVES
06/19/2002 - 06/10/2005 FY02: $0 Total: $0
Prin. Invest.: M LARSEN
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5373 **CLEMSON UNIV - CLEMSON** **8388**
ROCKET INVESTIGATION OF BOTTOMSIDE EQUATORIAL F RE GION ELEC-TRODYNAMICS
06/19/2002 - 06/10/2005 FY02: $0 Total: $0
Prin. Invest.: M LARSON
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5378 **CLEMSON UNIV - CLEMSON** **8389**
INVESTIGATION OF DC ELECTRIC FIELDS, WINDS, AND PL ASMA DENSITY STRUCTUREIN THE NIGHTTIME EQUATORIAL
06/19/2002 - 06/10/2005 FY02: $0 Total: $0
Prin. Invest.: M LARSON
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5379 **CLEMSON UNIV - CLEMSON** **8390**
CAMPAIGN PROPOSAL: SOUNDING ROCKET INVESTIGATIONS OF E-AND F-REGION ELECTRODYNAMICS AT THE MAGNE
06/25/2002 - 06/13/2005 FY02: $0 Total: $0
Prin. Invest.: M LARSEN
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5384 **CLEMSON UNIV - CLEMSON** **8391**
UNSOLICITED PROPOSAL ENTITLED, FIELD MEASUREMENTS OF DROP SIZE DISTRIBUTIONSIN STRATIFORM
08/08/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J SAYLOR
Tech. Officer: WFF/L BLIVEN
CASE Category: 33 – OCEANOGRAPHY

NAG 5 5385 CLEMSON UNIV - CLEMSON 8392
LAYERS IN THE EQUATORIAL MESOSPHERE, MOTIONS AND AEROSOL (LEMMA) ROCKET & RADAR STUDY
09/30/2002 - 09/25/2005 FY02: $0 Total: $0
Prin. Invest.: G LEHMACHER
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 7592 CLEMSON UNIV - CLEMSON 8393
INVESTIGATING THE FEASIBILITY OF, AND LIMITATIONS ASSOCIATED WITH, RECOVERING GRAVITYWAVE PARAMETER
07/07/1998 - 06/30/2001 FY02: $0 Total: $158,676
Prin. Invest.: M P HICKEY
Tech. Officer: GSFC/M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 7782 CLEMSON UNIV - CLEMSON 8394
PHYSICAL VARIATIONS IN THE RAINDROP SIZE DISTRIBUT ION & THEIR EFFECTS ONTHE QUANTITATIVE ESTIMATION
11/13/1998 - 05/14/2002 FY02: $0 Total: $149,730
Prin. Invest.: C W ULBRICH
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8075 CLEMSON UNIV - CLEMSON 8395
OSSE OBSERVATIONS OF 44TI IN SNR G266.2-1.2
01/15/1999 - 01/14/2001 FY02: $0 Total: $11,200
Prin. Invest.: M D LEISING
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 8304 CLEMSON UNIV - CLEMSON 8396
PRESOLAR DUST GRAINS IN METEORITES: ORIGIN AND MEANING
02/25/1999 - 10/14/2002 FY02: $0 Total: $167,000
Prin. Invest.: D CLAYTON
Tech. Officer: GSFC/J BOYCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8448 CLEMSON UNIV - CLEMSON 8397
RELATING SOLAR BIRTH TO THE GALAXY
04/07/1999 - 03/31/2002 FY02: $0 Total: $130,000
Prin. Invest.: D D CLAYTON
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8759 CLEMSON UNIV - CLEMSON 8398
MANIPULATION AND CONTACT SENSING VIA TRUNKS, TENTA CLES, AND WHISKERS
08/26/1999 - 08/31/2003 FY02: $0 Total: $276,852
Prin. Invest.: I D WALKER
Tech. Officer: GSFC/S DAVISON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9267 CLEMSON UNIV - CLEMSON 8399
INVESTIGATION OF PLASMA TURBULENCE IN THE EQUATORIAL IONO-SPHERE
03/13/2000 - 02/28/2002 FY02: $0 Total: $61,782
Prin. Invest.: D HYSELL
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9459 CLEMSON UNIV - CLEMSON 8400
SILICON - CARBON NANOTUBE HYBRID DEVICE DESIGN: A ROUTE TO NANOSCALE INTEGRATION
04/13/2000 - 04/14/2002 FY02: $0 Total: $25,000
Prin. Invest.: D L CARROLL
Tech. Officer: GSFC/H C SHAW
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 9702 CLEMSON UNIV - CLEMSON 8401
MEASURING THE TI44 MASS IN CAS A WITH OSSE
06/15/2000 - 06/14/2002 FY02: $0 Total: $5,000
Prin. Invest.: L THE
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 9824 CLEMSON UNIV - CLEMSON 8402
EXTRACTION OF SINGLE EVENT UPSET PARAMETERS FROM CIRCUIT SIMULATION CODE
07/25/2000 - 07/31/2001 FY02: $0 Total: $25,000
Prin. Invest.: P MCNULTY
Tech. Officer: GSFC/J BARTH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10018 CLEMSON UNIV - CLEMSON 8403
PVFS 2000: AN OPERATIONAL PARALLEL FILE SYSTEM FOR BEOWULF
10/02/2000 - 09/30/2003 FY02: $0 Total: $152,447
Prin. Invest.: D LIGON III
Tech. Officer: GSFC/J DORBAND
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10251 CLEMSON UNIV - CLEMSON 8404
STUDIES OF WIND SHEAR INSTABILITIES & GRAVITY WAVES IN THE MLT REGION AIRGLOW & RELATED EFFECTS
01/05/2001 - 01/14/2004 FY02: $0 Total: $79,898
Prin. Invest.: M HICKEY
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10367 CLEMSON UNIV - CLEMSON 8405
MINIATURE HEAT TRANSPORT SYSTEM FOR SPACECRAFT THE RMAL CONTROL
03/19/2001 - 03/31/2004 FY02: $0 Total: $39,300
Prin. Invest.: D M OCHTERBECK
Tech. Officer: GSFC/J KU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10454 CLEMSON UNIV - CLEMSON 8406
HISTORY OF THE NUCLEI IMPORTANT FOR COSMOCHEMISTRY
02/21/2001 - 05/31/2004 FY02: $0 Total: $37,000
Prin. Invest.: B MEYER
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10764 CLEMSON UNIV - CLEMSON 8407
THE RADIOACTIVE MILKY WAY & SUPERNOVAE (LTSA 2000)
04/23/2001 - 04/30/2006 FY02: $0 Total: $77,538
Prin. Invest.: M D LEISING
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11293 CLEMSON UNIV - CLEMSON 8408
NANO-ELECTRONCS: CIRCUIT DESIGN FOR SILICON/CARBON NANOTUBE INTEGRATION
08/22/2001 - 07/31/2002 FY02: $0 Total: $25,000
Prin. Invest.: D L CARROLL
Tech. Officer: GSFC/H SHAW
CASE Category: 13 – PHYSICS

NAG 5 11329 CLEMSON UNIV - CLEMSON 8409
ALTERNATIVE COMPUTING ROADMAP PROJECT
09/25/2001 - 09/30/2004 FY02: $0 Total: $33,800
Prin. Invest.: D SASS
Tech. Officer: GSFC/P CORONADO
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11808 CLEMSON UNIV - CLEMSON 8410
SPECIAL CONDITIONS FOR THE BIRTH OF THE SOLAR SYST EM
02/27/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: D D CLAYTON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11871 CLEMSON UNIV - CLEMSON 8411
PRESOLAR DUST GRAINS IN METEORITES AND IDPS
03/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: D CLAYTON
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NCC 1 01036 CLEMSON UNIV - CLEMSON 8412
ADVANCED CROSS ENTERPRISE TECHNOLOGY DEVELOPMENT FOR NASA MISSIONS
04/12/2001 - 04/30/2004 FY02: $0 Total: $158,123
Prin. Invest.: Y SUN
Tech. Officer: LARC/J W CONWELL
CASE Category: 12 – CHEMISTRY

NCC 2 1114 CLEMSON UNIV - CLEMSON 8413
VIRTUAL REALITY TECHNOLOGY FOR AIRCRAFT VISUAL INS PECTION: TRAINING & JOB AIDING
04/23/1999 - 12/31/2001 FY02: $0 Total: $248,169
Prin. Invest.: A K GRAMOPADHYE
Tech. Officer: ARC/B G KANKI, ARC/M M CONNORS
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 1288 CLEMSON UNIV - CLEMSON 8414
USING ADVANCED DISPLAYS TO SUPPORT TRAINING AND JO B AIDING: IMPROVING AIRCRAFT INSPECTION PERFORMAN
12/31/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: B MELLOY, A T DUCHOWSKI
Tech. Officer: ARC/T BEARD
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 5421 CLEMSON UNIV - CLEMSON 8415
COMBINATORIAL APPROACH FOR SYNTHESIS & CHARACTERIZ ATION OF CARBON NANOTUBES - A CHARACTERIZATION LA
02/15/2001 - 01/31/2003 FY02: $0 Total: $91,802
Prin. Invest.: A M RAO
Tech. Officer: ARC/M MEYYAPPAN, ARC/H PATRIDGE
CASE Category: 13 – PHYSICS

NGT 1 01036 CLEMSON UNIV - CLEMSON 8416
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
06/28/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: Y P SUN
Tech. Officer: LARC/J W CONNELL, LARC/J G SMITH
CASE Category: 12 – CHEMISTRY

NGT 1 52238 CLEMSON UNIV - CLEMSON 8417
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/03/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: Y P SUN
Tech. Officer: LARC/J W CONNELL, LARC/J G SMITH,JR
CASE Category: 12 – CHEMISTRY

NGT 5 85 CLEMSON UNIV - CLEMSON 8418
COTS CUSTOM HARDWARE: THE RECONFIGURABLE APPROACH TO CLUS-TER BASED PARALLEL: STUDENT/KEITH UNDERWOO
05/20/1999 - 08/14/2002 FY02: $0 Total: $66,000
Prin. Invest.: W LIGON
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 22 – COMPUTER SCIENCE

NGT 5 109 CLEMSON UNIV - CLEMSON 8419
ALGORITHMS & SCHEDULING FOR PARALLEL I/O (STUDENT: PHILIP CARNS)
06/12/2000 - 08/14/2003 FY02: $0 Total: $44,000
Prin. Invest.: W B LIGON
Tech. Officer: GSFC/G SOFFEN
CASE Category: 22 – COMPUTER SCIENCE

NGT 8 52858 CLEMSON UNIV - CLEMSON 8420
ROBUST SPEECH RECOGNITION SCHEME USING PARALLEL MODEL COM-BINATION WITH AN ADAPTIVE HYBRID
07/23/1998 - 08/14/2001 FY02: $0 Total: $66,000
Prin. Invest.: J N GOWDY
Tech. Officer: MSFC/J F DOWDY
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 7183 COLL OF CHARLESTON 8421
EXPLORING THE SOLAR SYSTEM IN THE CLASSROOM
03/16/1998 - 03/14/2002 FY02: $0 Total: $48,000
Prin. Invest.: C R COOMBS
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10313 COLL OF CHARLESTON 8422
BETA PIC-LIKE CIRCUMSTELLAR GAS DISK AROUND 2 AND -- FUSE-00
01/26/2001 - 01/31/2003 FY02: $0 Total: $16,000
Prin. Invest.: J E NEFF
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10625 COLL OF CHARLESTON 8423
AN ARTIFICIAL INTELLIGENCE CLASSIFICATION TOOL & ITS APPLICATION TO GAMMA-RAY BURSTS
03/22/2001 - 01/31/2003 FY02: $0 Total: $104,054
Prin. Invest.: J HAKKILA
Tech. Officer: GSFC/P HUNTER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10633 COLL OF CHARLESTON 8424
EXPLORING THE SOLAR SYSTEM IN THE CLASSROOM: A DI FFERENTIATED MULTISENSORY APPROACH
03/17/2001 - 03/14/2003 FY02: $0 Total: $40,000
Prin. Invest.: C RUNYON
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11017 COLL OF CHARLESTON 8425
EARLY BATSE GRB AFTERGLOWS (ADP 2000)
06/12/2001 - 01/14/2003 FY02: $0 Total: $30,000
Prin. Invest.: T W GIBLIN
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NCC 5 263 COLL OF CHARLESTON 8426
SOUTHEASTERN OSS-SPACE GRANT REGIONAL EDUCATION CO ALITION: KEYS TO IMPLEMENTING NASA'S OSS EDUCATIO
01/12/1998 - 01/14/2003 FY02: $0 Total: $1,030,000
Prin. Invest.: M COLGAN
Tech. Officer: GSFC/J ROSENDHAL
CASE Category: 11 – ASTRONOMY

NCC 5 413 COLL OF CHARLESTON 8427
EPSCOR PREPARATION PROGRAM
06/18/1999 - 06/14/2002 FY02: $0 Total: $450,000
Prin. Invest.: M COLGAN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 575 COLL OF CHARLESTON 8428
SOUTH CAROLINA NASA EPSCOR PROGRAM
08/23/2001 - 07/31/2004 FY02: $0 Total: $300,000
Prin. Invest.: M COLGAN
Tech. Officer: GSFC/DDETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 607 COLL OF CHARLESTON 8429
SOUTHEAST REGIONAL CLEARING HOUSE: A COALITION OF SPACE GRANT CONSORTIA(SERCH)
12/17/2001 - 01/14/2007 FY02: $0 Total: $0
Prin. Invest.: C RUNYON
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40050 COLL OF CHARLESTON 8430
NATIONAL SPACE GRANT COLL AND FELLOWSHIP PROGRA
02/03/1997 - 02/28/2002 FY02: $0 Total: $1,072,676
Prin. Invest.: M COLGAN
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40099 COLL OF CHARLESTON 8431
SOUTH CAROLINA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/28/2001 - 02/28/2005 FY02: $0 Total: $256,250
Prin. Invest.: M COLGAN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1085 FURMAN UNIV 8432
PROSPECTIVE REMEMBERING UNDER COMPLEX, DEMANDING & FLUID CONDITIONS
01/27/1999 - 01/14/2003 FY02: $0 Total: $401,024
Prin. Invest.: G O EINSTEIN, M A MCDANIEL
Tech. Officer: ARC/R K DISMUKES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1415 MEDICAL UNIV OF SOUTH CAROLINA 8433
EMBRYONIC CELL MIGRATION & METALLOPROTEINASE ACTIV ITY ARE AFFECTED BY RANDOMNIZATION OF THE GRAVITY
07/11/2000 - 06/30/2003 FY02: $0 Total: $266,175
Prin. Invest.: S HOFFMAN
Tech. Officer: ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1385 MEDICAL UNIV OF SOUTH CAROLINA 8434
RESEARCH "GASTRIC MUCOSAL CELL CULTURE IN SIMULATED MICRO-GRAVITY
06/13/1997 - 12/30/2001 FY02: -$41,838 Total: $530,255
Prin. Invest.: A J SMOKA
Tech. Officer: MSFC/N R PELLIS, MSFC/J MAYO
CASE Category: 56 – MEDICL

NAG 5 8246 SOUTH CAROLINA STATE UNIV 8435
SHARE WITH A PAIR OF PEERS (SWAPOP II)
02/19/1999 - 02/28/2002 FY02: $0 Total: $586,190
Prin. Invest.: J D SALLEY
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10145 SOUTH CAROLINA STATE UNIV 8436
ENHANCEMENT OF THE SPACE SCIENCE RESEARCH PROGRAM AT SOUTH CAROLINA STATE UNIV
01/05/2001 - 12/31/2003 FY02: $0 Total: $227,000
Prin. Invest.: D K WALTER
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NCC 5 454 SOUTH CAROLINA STATE UNIV 8437
CURRICULUM ENHANCEMENT THROUGH SPACE SCIENCE RSCH
02/11/2000 - 02/28/2003 FY02: $0 Total: $300,000
Prin. Invest.: D K WALTER
Tech. Officer: GSFC/M MATTHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 534 SOUTH CAROLINA STATE UNIV 8438
THE CENTER FOR NASA RESEARCH AND TECHNOLOGY (CNRT) /MUSPIN NRTS PROGRAM.
02/01/2001 - 01/31/2004 FY02: $0 Total: $350,000
Prin. Invest.: D WALTER
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 651 SOUTH CAROLINA STATE UNIV 8439
SHARE WITH A PAIR OF PEERS II
08/16/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: J SALLEY
Tech. Officer: GSFC/MMATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 02117 UNIV OF SOUTH CAROLINA-COLUMBIA 8440
SPUN-CAST POLYMER COMPOSITE MIRRORS AND THEIR USE IN ADAPTIVE OPTICS
09/30/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: W A SCRIVENS
Tech. Officer: LARC/G C HORNER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8837 UNIV OF SOUTH CAROLINA-COLUMBIA 8441
STUDY OF LAND-ATMOSPHERE INTERACTIONS USING SATELL ITE DATA ASSIMILATION
09/22/1999 - 09/30/2001 FY02: $0 Total: $114,265
Prin. Invest.: V LAKSHIMI
Tech. Officer: GSFC/P T HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8875 UNIV OF SOUTH CAROLINA-COLUMBIA 8442
COUPLING SATELLITE REMOTE SENSING & UNSTEADY FLOW MODELING FOR DISCHARGE ESTIMATION
11/16/1999 - 10/31/2002 FY02: $38,686 Total: $83,566
Prin. Invest.: V LAKSHMI
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9233 UNIV OF SOUTH CAROLINA-COLUMBIA 8443
THE INFLUENCE OF LAND-ATMOSPHERE INTERACTIONS ON VARIABILITY OF THE NORTH AMERICAN MONSOON
04/06/2000 - 04/30/2003 FY02: $0 Total: $116,848
Prin. Invest.: V LAKSHMI
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10322 UNIV OF SOUTH CAROLINA-COLUMBIA 8444
FUNDING GRANT FOR PROPOSAL # NRA-99-055-05 TITLED HIGH PERF ULTRAVIOLET DETECTORS BASED ON QUATERNAR
01/31/2001 - 02/29/2004 FY02: $0 Total: $472,615
Prin. Invest.: D KHAN
Tech. Officer: GSFC/B MOTT
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11128 UNIV OF SOUTH CAROLINA-COLUMBIA 8445
EXTENDED VALIDATION OF AMSR-E SOIL MOISTURE PRODUC TS (AQUA-0084-0032)
07/27/2001 - 08/31/2004 FY02: $0 Total: $30,790
Prin. Invest.: V LAKSHMI
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11253 UNIV OF SOUTH CAROLINA-COLUMBIA 8446
AN ASSESSMENT OF GLOBAL ORGANIC CARBON FLUX ALONG CONTINENTAL_MARGINS
08/20/2001 - 08/31/2004 FY02: $0 Total: $48,613
Prin. Invest.: R THUNELL
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11526 UNIV OF SOUTH CAROLINA-COLUMBIA 8447
STUDIES OF COMBINED PASSIVE & ACTIVE SOIL MOISTURE SENSING
01/14/2002 - 01/30/2004 FY02: $0 Total: $0
Prin. Invest.: V LAKSHMI
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12339 UNIV OF SOUTH CAROLINA-COLUMBIA 8448
CHLOROPLAST CONUNDRUM
07/15/2002 - 06/30/2004 FY02: $0 Total: $0
Prin. Invest.: J BERNHARD
Tech. Officer: GSFC/MMEYERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 174 UNIV OF SOUTH CAROLINA-COLUMBIA 8449
EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE RESE
12/16/1996 - 03/31/2002 FY02: $0 Total: $2,499,009
Prin. Invest.: J D ODOM
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC13 00003 UNIV OF SOUTH CAROLINA-COLUMBIA 8450
PROGRAM FOR A NASA AFFILIATED RESEARCH CENTER PROGRAM AT THE UNIV OF SOUTH CAROLINA
02/01/2000 - 01/31/2005 FY02: $0 Total: $365,750
Prin. Invest.: J JENSEN
Tech. Officer: SSC/N SOVIK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT13 52723 UNIV OF SOUTH CAROLINA-COLUMBIA 8451
MACHINE LEARING GMDH NEURO-FUZZY TECHNIQUES INHERENT OPTICAL PROPERTY ESTIMATED
07/22/1999 - 07/31/2003 FY02: $0 Total: $66,000
Prin. Invest.: J JENSEN
Tech. Officer: SSC/R TRAVIS
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 9624 VOORHEES COLL 8452
EARTH SCIENCE EDUCATION AND RESEARCH INITIATIVE
05/23/2000 - 05/14/2003 FY02: $0 Total: $279,960
Prin. Invest.: C SMITH
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

SOUTH DAKOTA

NAG 5 7548 OGLALA LAKOTA COLL 8453
OGLALA LAKOTA COLL PACE/MSET
07/01/1998 - 09/30/2001 FY02: $0 Total: $300,000
Prin. Invest.: J HAAS
Tech. Officer: GSFC/T GULL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10935 OGLALA LAKOTA COLL 8454
NASA/OGLALA LAKOTA COLL SUMMER INST AND RESEARCH INST. NASA HONORS SUPPLEMENTAL SUC
06/07/2001 - 06/14/2002 FY02: $0 Total: $41,500
Prin. Invest.: S PHELPS
Tech. Officer: GSFC/D MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7746 SOUTH DAKOTA SCHOOL OF MINES & TECH 8455
PROVIDE FOR SCIENTIFIC KNOWLEDGE FOR INDIAN LEARNI NG AND LEADERSHIP FOR MISSION TO PLANET EARTH
10/21/1998 - 08/31/2001 FY02: $0 Total: $300,000
Prin. Invest.: F CAMPONE
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 21 – MATHEMATICS

NAG 5 8973 SOUTH DAKOTA SCHOOL OF MINES & TECH 8456
EARTH SYSTEMS CONNECTIONS: AN INTEGRATED K-4 SCIENCE, MATHEMATICS, & TECHNOLOGY CURRICULUM
02/15/2000 - 12/31/2002 FY02: $0 Total: $309,100
Prin. Invest.: L A VIERLING
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99021 SOUTH DAKOTA SCHOOL OF MINES & TECH 8457
APPLICATION OF REMOTE SENSING TO FOREST RESOURCE INVENTORY AND HABITAT MODELING
08/13/1999 - 10/31/2002 FY02: $30,000 Total: $230,040
Prin. Invest.: M PRICE
Tech. Officer: JSC/R MCKELLIP
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 402 SOUTH DAKOTA SCHOOL OF MINES & TECH 8458
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/14/1999 - 12/31/2001 FY02: $0 Total: $450,000
Prin. Invest.: S FARWELL
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 588 SOUTH DAKOTA SCHOOL OF MINES & TECH 8459
THE USE OF REMOTE SENSING FOR MONITORING, PREDICTI ON, AND MANAGEMENT OF HYDROLIC, AGRICULTURAL, AND
08/31/2001 - 08/31/2004 FY02: $0 Total: $512,100
Prin. Invest.: S O FARWELL
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30402 SOUTH DAKOTA SCHOOL OF MINES & TECH 8460
SEMI-ARID GRASSLAND ECOSYSTEM FORCING: REPLACING NATIVE, FREE-RANGING UNGULATE GRAZING WITH HUMAN-
09/05/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: P R ZIMMERMAN
Tech. Officer: GSFC/K BLANDING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40042 SOUTH DAKOTA SCHOOL OF MINES & TECH 8461
NATIONAL SPACE GRANT COLL AND FELLOWSHIP PROGRA
01/24/1997 - 02/28/2001 FY02: $0 Total: $759,219
Prin. Invest.: S O FARWELL
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40095 SOUTH DAKOTA SCHOOL OF MINES & TECH 8462
SOUTH DAKOTA SPACE GRANT COLL AND FELLOWSHIP PR OGRAM
02/28/2001 - 02/28/2005 FY02: $0 Total: $260,781
Prin. Invest.: S O FARWELL
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 3540 SOUTH DAKOTA STATE UNIV 8463
TM RADIOMETRIC CALIBRATION
11/19/1996 - 06/30/2001 FY02: $0 Total: $266,146
Prin. Invest.: D HELDER
Tech. Officer: GSFC/DL WILLIAMS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11351 SOUTH DAKOTA STATE UNIV 8464
LANDSAT RADOMETRIC CALIBRATION: TOWARDS A 20 YEAR RECORD OF CALIBRATED THEMATIC MAPPER CLASS DAT FO
09/14/2001 - 09/14/2004 FY02: $0 Total: $99,975
Prin. Invest.: D HELDER
Tech. Officer: GSFC/B L MARKHAM
CASE Category: 39 – ENVIRONMENTAL SCI,OTHER

NAG13 02045 SOUTH DAKOTA STATE UNIV 8465
SDSU WORK PLAN FOR JACIE SDSU WORK PLAN FOR JACIE
08/09/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: D HELDER
Tech. Officer: SSC/V ZANONI
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 5 472 SOUTH DAKOTA STATE UNIV 8466
AN INTEGRATED ASSESSMENT OF THE EARTH OBSRVER - 1 INSTRUMENT SUITE & THE LANDSAT 7 ENHANCED THEMATIC
03/08/2000 - 12/31/2002 FY02: $2,494 Total: $190,584
Prin. Invest.: D HELDER
Tech. Officer: GSFC/S UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

TENNESSEE

NAG 3 2454 CHRISTIAN BROTHERS COLL 8467
ROBUST STRATEGY FOR ROCKET ENGINE HEALTH MONITORIN G
06/07/2000 - 05/31/2001 FY02: $0 Total: $144,264
Prin. Invest.: D SANTI
Tech. Officer: GRC/E WONG
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 10344 EAST TENNESSEE STATE UNIV 8468
THE OUTER ATMOSPHERE OF MIRA VARIABLES (FUSE 00)
01/31/2001 - 01/31/2003 FY02: $0 Total: $20,623
Prin. Invest.: D G LUTTERMOSER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 8 1375 EAST TENNESSEE STATE UNIV 8469
METASTABLE SOLUTION STRUCTURE AND OPTIMIZATION STRAGEGIES IN PROTEIN CRYSTAL GROWTH
06/18/1997 - 09/30/2003 FY02: $0 Total: $477,499
Prin. Invest.: L WILSON
Tech. Officer: MSFC/B GUYNES, MSFC/J MAYO
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 3 2298 FISK UNIV 8470
SURFACE AND INTERFACIAL STRUCTURES OF METAL ULTRA- THIN FILM ON SIC AT ELEVATED TEMPERATURES
10/14/1999 - 11/10/2001 FY02: $0 Total: $192,484
Prin. Invest.: D E COLLINS
Tech. Officer: GRC/G HUNTER
CASE Category: 43 – CHEMICAL ENGR

NAG 3 2308 FISK UNIV 8471
SIZE GRADED QUANTUM DOT SOLAR ENERGY CELLS FOR SPA CE POWER TECHNOLOGY
12/10/1999 - 05/31/2002 FY02: $0 Total: $282,963
Prin. Invest.: D O HENDERSON
Tech. Officer: GRC/E CLARK
CASE Category: 13 – PHYSICS

NAG 8 1604 FISK UNIV 8472
OPTICAL TRAPPING AND MANIPULATION OF NANOCRYSTALS CREATED IN A LASER ABATION PLUME
04/21/1999 - 04/20/2002 FY02: $0 Total: $300,971
Prin. Invest.: D O HENDERSON
Tech. Officer: MSFC/U
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 8 133 FISK UNIV 8473
FOR RESEARCH "FISK UNIV CENTER FOR PHOTONIC MATERIALS AND DEVICES"
04/21/1997 - 12/31/2002 FY02: $0 Total: $5,200,000
Prin. Invest.: E SILHERMAN
Tech. Officer: MSFC/D O FRAZIER
CASE Category: 13 – PHYSICS

NCC 8 195 FISK UNIV 8474
CHARACTERIZATION OF CRYSTALLINE PERFECTION OF BINARY AND TERNARY GAP SEMICONDUCTORS
09/30/1999 - 09/29/2001 FY02: $0 Total: $199,759
Prin. Invest.: A BURGER
Tech. Officer: MSFC/C HUA SU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12093 MEHARRY MEDICAL COLL 8475
NASA/MEHARRY/VANDERBILT SUMMER RESEARCH APPRENTICE SHIP PROGRAM
04/30/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: M F LIMA
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11692 MIDDLE TENNESSEE STATE UNIV 8476
TENNESSEE CENTER FOR THE ADVANCEMENT OF MATHEMATIC S SCIENCE AND TECHNOLOGY EDUCATION
02/01/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: E R PHILLIPS
Tech. Officer: GSFC/L BILBROUGH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12561 MIDDLE TENNESSEE STATE UNIV 8477
NAKED-EYE OBSERVATORY
09/17/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: E KLUMPE
Tech. Officer: GSFC/L BILBROUGH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1486 MIDDLE TENNESSEE STATE UNIV 8478
R/S DEVELOPMENT OF ANIONIC POLYELECTROLYTES FOR SOLID STATE BATTERY APPLICATION
04/21/1998 - 08/01/2002 FY02: $0 Total: $164,531
Prin. Invest.: A C FRIEDLI
Tech. Officer: MSFC/C TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 2 1419 TENNESSEE STATE UNIV 8479
QUALITY OF SERVICE COMPARISONS BETWEEN SATELLITE, MIRCOWAVE, & T1 COMMUNICATIONS
07/13/2000 - 06/14/2003 FY02: $0 Total: $200,000
Prin. Invest.: W A SMITH
Tech. Officer: ARC/K A FREEMAN, ARC/D CHOW
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1473 TENNESSEE STATE UNIV 8480
EMBODIMENT OF INTELLIGENT BEHAVIORS ON MOBILE ROBO TS
04/18/2001 - 10/31/2001 FY02: $0 Total: $132,567
Prin. Invest.: M S ZEIN-SABATTO
Tech. Officer: ARC/S P COLOMBANO, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1530 TENNESSEE STATE UNIV 8481
EMBODIMENT OF INTELLIGENT BEHAVIORS ON MOBILE ROBO TS
12/13/2001 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: M S ZIEN-SABATTO
Tech. Officer: ARC/S COLOMBANO
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 6052 TENNESSEE STATE UNIV 8482
A PARTNERSHIP BETWEEN THE TENNESSEE STATE UNIV CTR OF EXCELLENCE, THE NM SUPERCOMPUTING CHALLENGE &
09/27/2001 - 09/30/2002 FY02: $0 Total: $100,000
Prin. Invest.: W A SMITH
Tech. Officer: ARC/A CARDENAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2272 TENNESSEE STATE UNIV 8483
TECHNICAL RESEARCH/MENTORSHIP SYMPOSIUM '99 INTEGR ATION OF EDUCATION, WORK CYCLES, ANDGRADUATE SCH
06/23/1999 - 06/30/2001 FY02: $0 Total: $200,000
Prin. Invest.: D B ROGERS
Tech. Officer: GRC/R F LAWRENCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2441 TENNESSEE STATE UNIV 8484
COLL BOUND TO GRADUATE SCHOOL COLL BOUND TO GRADUATE SCHOOL
05/24/2000 - 11/30/2000 FY02: $0 Total: $49,750
Prin. Invest.: D B ROGERS
Tech. Officer: GRC/M CAWTHON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2471 TENNESSEE STATE UNIV 8485
TSU RESEARCH PROJECTS FOR INCREASING THE POOL OF M INORITY ENGINEERS
07/10/2000 - 06/30/2003 FY02: -$1 Total: $164,799
Prin. Invest.: D ROGERS
Tech. Officer: GRC/S MERRITT
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2577 TENNESSEE STATE UNIV 8486
THE NASA ENGINEERING AND SCIENCE COLLABORATIVE THE NASA ENGINEERING AND SCIENCE COLLABORATIVE
04/18/2001 - 11/30/2002 FY02: $0 Total: $762,940
Prin. Invest.: D ROGERS
Tech. Officer: GRC/R LAWRENCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2606 TENNESSEE STATE UNIV 8487
COLL BOUND TO GRADUATE SCHOOL PROGRAM COLL BOUND TO GRADUATE SCHOOL PROGRAM
05/23/2001 - 09/30/2001 FY02: $0 Total: $53,212
Prin. Invest.: D ROGERS
Tech. Officer: GRC/M BOROWSKI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2781 TENNESSEE STATE UNIV 8488
COLL BOUND COLL BOUND
05/23/2002 - 09/01/2002 FY02: $0 Total: $0
Prin. Invest.: D ROGERS
Tech. Officer: GRC/M BOROWSKI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10896 TENNESSEE STATE UNIV 8489
TSU SPACE SCIENCE AND ASTROBIOLOGY INITIATIVE
05/04/2001 - 04/30/2003 FY02: $0 Total: $200,000
Prin. Invest.: M BUSBY
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1855 TENNESSEE STATE UNIV 8490
INSPIRING CAREERS IN ENG, MATHEMATICS SCIENCE
12/17/2001 - 12/16/2002 FY02: $0 Total: $0
Prin. Invest.: L SHARPE
Tech. Officer: MSFC/W LOVE
CASE Category: 21 – MATHEMATICS

NCC 2 1205 TENNESSEE STATE UNIV 8491
A PARTNERSHIP BETWEEN THE TSU CTR. OF EXCELLENCE & THE NM SUPERCOMPUTING CHALLENGE
09/26/2000 - 09/30/2001 FY02: $0 Total: $70,800
Prin. Invest.: W A SMITH
Tech. Officer: ARC/M E DUENAS, ARC/K FREEMEN
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 96 TENNESSEE STATE UNIV 8492
NASA/TSU NETWORK RESOURCE AND TRAINING SITE
08/15/1995 - 08/14/2001 FY02: $0 Total: $2,878,000
Prin. Invest.: W A SMITH
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 511 TENNESSEE STATE UNIV 8493
CENTER FOR AUTOMATED SPACE SCIENCE
08/23/2000 - 06/30/2005 FY02: $0 Total: $1,500,000
Prin. Invest.: M BUSBY
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 531 TENNESSEE STATE UNIV 8494
NASA/TSU MINORITY UNIVERSITIES INFORMATION NETWORK FOR RE-SEARCH & EDUCATION/MUSPIN NRTSPROGRAM
02/01/2001 - 01/31/2004 FY02: $0 Total: $365,321
Prin. Invest.: W A SMITH
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 657 TENNESSEE STATE UNIV 8495
MINORITY INST COLLABORATORY
09/18/2002 - 12/14/2002 FY02: $0 Total: $0
Prin. Invest.: T P GARY
Tech. Officer: GSFC/JHARRINGTON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1631 TENNESSEE TECHNOLOGICAL UNIV 8496
ANALYSIS OF NEARLY STEADY PHOTOSPHERIC FLOWS
09/07/1999 - 09/08/2002 FY02: $0 Total: $87,000
Prin. Invest.: S HAN
Tech. Officer: MSFC/D HATHAWAY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 8 1749 TENNESSEE TECHNOLOGICAL UNIV 8497
ACTIVE CONTROL OF LARGE, FLEXIBLE SPACE STRUCTURES USING SHAPE MEMORY ALLOYS
10/02/2000 - 07/31/2002 FY02: $0 Total: $37,813
Prin. Invest.: S CANFIELD
Tech. Officer: MSFC/C K CARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1793 TENNESSEE TECHNOLOGICAL UNIV 8498
CONCEPT DEL AND EVAL OF CAPTURE DEVICES FOR RENEDE ZOUS WITH TETHER-DRIVEN TRANSFER VEHICLES
03/06/2001 - 02/15/2002 FY02: $0 Total: $38,000
Prin. Invest.: S CANFIELD
Tech. Officer: MSFC/K WELZN
CASE Category: 46 – MECHANICAL ENGR

NAG 8 1794 TENNESSEE TECHNOLOGICAL UNIV 8499
ENHANCEMENT OF EJECTOR EFFICIENCY IN ADVANCE RE- USABLE PROPULSION ENGINE
03/13/2001 - 09/30/2003 FY02: $0 Total: $60,000
Prin. Invest.: S S HAN, J PIEDDIESON
Tech. Officer: MSFC/J J HUTT
CASE Category: 46 – MECHANICAL ENGR

NGT 8 52883 TENNESSEE TECHNOLOGICAL UNIV 8500
HYDROSTATIC EFFECTS ON YIELDING AND FATIGUE LIFE
09/10/1999 - 09/09/2002 FY02: $0 Total: $66,000
Prin. Invest.: C WILSON
Tech. Officer: MSFC/J DOWDY
CASE Category: 46 – MECHANICAL ENGR

NGT 8 52911 TENNESSEE TECHNOLOGICAL UNIV 8501
DEV & EVALUATION OF CAPTURE DEVICES FOR RENDEZVOUS WITH TETHER-DRIVEN TRANSFER VEHICLES
06/26/2001 - 06/30/2002 FY02: $0 Total: $22,000
Prin. Invest.: S CANFIELD
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 46 – MECHANICAL ENGR

NAG 5 7617 UNIV OF MEMPHIS 8502
FUNDING FOR 'LANDLSIDE HAZARD IN RESPONSE TO SHORT TERM CLIMATE CHANGE' (SENH98-0020)
07/24/1998 - 06/30/2002 FY02: $0 Total: $225,000
Prin. Invest.: M ELLIS
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9783 UNIV OF MEMPHIS 8503
OBSERVATIONAL CONSTRAINTS FOR CORONAL HEATING MODELS
07/06/2000 - 06/30/2003 FY02: $0 Total: $60,429
Prin. Invest.: J T SCHMELZ
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 12096 UNIV OF MEMPHIS 8504
THE IMPLICATIONS OF MULTITHERMAL LOOPS FOR CORONAL HEATING MODELS
05/01/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: J T SCHMELZ
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1244 UNIV OF MEMPHIS 8505
SODAS: MODELS OF SELF-ORGANIZING ONTOGENETIC DEVE LOPMENT FOR AUTONOMOUS ADAPTIVE SYSTEMS
04/05/2001 - 02/28/2003 FY02: $0 Total: $150,000
Prin. Invest.: R KOZMA
Tech. Officer: ARC/T R GOVINDAN, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 9031 UNIV OF TENNESSEE - CHATTANOOGA 8506
PRE-SERVICE TEACHER ENHANCEMENT PROGRAM
02/04/2000 - 02/14/2003 FY02: $0 Total: $201,390
Prin. Invest.: T L PATTY
Tech. Officer: GSFC/B MEESON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4541 UNIV OF TENNESSEE - KNOXVILLE 8507
METEORITE PETROGENESIS
05/06/1997 - 03/31/2002 FY02: $0 Total: $537,000
Prin. Invest.: D V MCSWEEN, JR.
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8405 UNIV OF TENNESSEE - KNOXVILLE 8508
TOWARD THE CORE COLLAPSE SUPERNOVA MECHANISM: THE NEXT GENERATION IN NEUTRINO TRANSPORT AND CONVE
03/16/1999 - 08/31/2002 FY02: $0 Total: $167,694
Prin. Invest.: A MEZZACAPPA
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8726 UNIV OF TENNESSEE - KNOXVILLE 8509
PLANETARY PETROLOGY AND GEOCHEMISTRY
08/04/1999 - 07/31/2002 FY02: $0 Total: $70,500
Prin. Invest.: L A TAYLOR
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8760 UNIV OF TENNESSEE - KNOXVILLE 8510
TOWARDS INTELLIGENT DISTRIBUTED BIOLUMINESCENCE DE TECTION OF BIOLOGICAL CONTAMINATION AND STRESSORS
08/26/1999 - 02/28/2002 FY02: $0 Total: $375,057
Prin. Invest.: G S SAYLER
Tech. Officer: GSFC/R CROUCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8773 UNIV OF TENNESSEE - KNOXVILLE 8511
NHSE - THE NATIONAL HPCC SOFTWARE EXCHANGE
09/07/1999 - 08/31/2002 FY02: $0 Total: $340,000
Prin. Invest.: J DONGARRA
Tech. Officer: GSFC/J R FISCHER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 8926 UNIV OF TENNESSEE - KNOXVILLE 8512
THE POROSITY OF ASTEROIDS
01/07/2000 - 12/31/2002 FY02: $0 Total: $64,350
Prin. Invest.: D BRITT
Tech. Officer: GSFC/J GRANT
CASE Category: 11 – ASTRONOMY

NAG 5 9061 UNIV OF TENNESSEE - KNOXVILLE 8513
THE MINERALOGY OF THE INNER ASTEROID BELT
02/15/2000 - 02/14/2003 FY02: $0 Total: $79,443
Prin. Invest.: D T BRITT
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10414 UNIV OF TENNESSEE - KNOXVILLE 8514
PETROGENESIS OF PLANETARY CRUSTS AMD MANTLES AND METEORITES
02/14/2001 - 02/14/2002 FY02: $0 Total: $110,000
Prin. Invest.: L A TAYLOR
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10525 UNIV OF TENNESSEE - KNOXVILLE 8515
DUST AND FELDSPAR MINERALOGY ON MARS FROM THERMAL EMISSION SPECTRA
03/06/2001 - 03/14/2004 FY02: $0 Total: $60,700
Prin. Invest.: H MCSWEEN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10582 UNIV OF TENNESSEE - KNOXVILLE 8516
AN INVESTIGATION OF THE PREHISTORY, FORMATION & EVOLUTION OF THE SOLAR SYSTEM THROUGH ULTRASENSIT
03/19/2001 - 04/30/2002 FY02: $0 Total: $25,000
Prin. Invest.: N THONNARD
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10635 UNIV OF TENNESSEE - KNOXVILLE 8517
SPECIAL CONSIDERATIONS IN THE INTERPRETATION OF THERMAL INFRA-RED SPECTROSCOPY FROM LANDERS AN
03/17/2001 - 03/14/2002 FY02: $0 Total: $73,000
Prin. Invest.: J MOERSCH
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10666 UNIV OF TENNESSEE - KNOXVILLE 8518
RECOGNIZING BIOTIC INFLUENCES ON PLANETARY EVOLU- TION: INVES-TIGATING THE BIOGEOCHEMICAL RECORD OF
03/21/2001 - 03/31/2003 FY02: $0 Total: $82,200
Prin. Invest.: L KAH
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10788 UNIV OF TENNESSEE - KNOXVILLE 8519
REMOTE SENSING FOR MARTIAN EXOPALEONTOLOGY: DETEC TABILITY THRESHOLDS FOR AQUEOUS MINERALS AS A BAS
04/23/2001 - 04/30/2004 FY02: $0 Total: $50,000
Prin. Invest.: J E MOERSH
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10794 UNIV OF TENNESSEE - KNOXVILLE 8520
MINERALOGY & SPECTRAL PROPERTIES OF LUNAR SOILS
04/25/2001 - 04/30/2002 FY02: $0 Total: $24,000
Prin. Invest.: L TAYLOR
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11201 UNIV OF TENNESSEE - KNOXVILLE 8521
MINERALOGICAL MAPPING OF PUTATIVE MARTIAN PALEOLAK E BASINS
08/07/2001 - 08/14/2003 FY02: $0 Total: $50,000
Prin. Invest.: J E MOERSCH
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11558 UNIV OF TENNESSEE - KNOXVILLE 8522
PETROGENESIS OF LUNAR AND PLANETARY CRUSTS AND MAN TLES AND METEORITES
02/08/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: L A TAYLOR
Tech. Officer: GSFC/J M BOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11567 UNIV OF TENNESSEE - KNOXVILLE 8523
CONSTRAINING PLANETESIMAL ACCRETION BY THERMAL MOD ELING
02/19/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: H MCSWEEN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11744 UNIV OF TENNESSEE - KNOXVILLE 8524
METEORITE PETROGENESIS
02/20/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: H Y MCSWEEN
Tech. Officer: GSFC/JBOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11978 UNIV OF TENNESSEE - KNOXVILLE 8525
CHEMICAL AND MINERALOGICAL CHARACTERIZATIONS OF LU NAR SOILS FOR SPECTRALREFLECTANCE CALIBRATIONS
04/08/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: L A TAYLOR
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12134 UNIV OF TENNESSEE - KNOXVILLE 8526
CAREER OPPORTUNITIES FOR STUDENTS WITH DISABILITIE S (COSD)
05/09/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: R GREENBERG
Tech. Officer: GSFC/M HARTMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12477 UNIV OF TENNESSEE - KNOXVILLE 8527
ADVANCED WARNING METHODOLOGIES FOR SOLAR PARTICLE EVENT RADIATION EXPOSURES
08/21/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: L TOWNSEND
Tech. Officer: GSFC/W WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1442 UNIV OF TENNESSEE - KNOXVILLE 8528
R/S PROJECT SEE (SATELITE ENERGY EXHANGE) TEST OF EQUIVALENCE PRINCIPLE & MEASUREMENT OF GRAVITATION
04/24/1998 - 01/31/2003 FY02: $0 Total: $177,000
Prin. Invest.: A J SANDERS
Tech. Officer: MSFC/J POE
CASE Category: 13 – PHYSICS

NAG 8 1568 UNIV OF TENNESSEE - KNOXVILLE 8529
REVERSIBLE CRYOGENIC STORAGE OF MACROMOLECULAR CRYSTALS GROWN IN MICROGRAVITY
01/15/1999 - 11/30/2002 FY02: $0 Total: $414,300
Prin. Invest.: G J BUNICK
Tech. Officer: MSFC/B V GUYNES, MSFC/D CHAFEE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1669 UNIV OF TENNESSEE - KNOXVILLE 8530
RESEARCH ENTITLED, ″DEVELOPMENT OF A MONTE CARLO RADIATION TRANSPORT CODE SYSTEM FOR HEDS″
08/16/2000 - 11/30/2003 FY02: $0 Total: $107,000
Prin. Invest.: L W TOWNSEND, T A GABRIEL, T W ARMSTRONG
Tech. Officer: MSFC/P DOTY
CASE Category: 13 – PHYSICS

NAG 8 1826 UNIV OF TENNESSEE - KNOXVILLE 8531
STRUCTURAL STUDIES OF NUCLEOSOMES AND CHROMATIN
09/06/2001 - 11/30/2004 FY02: $0 Total: $57,000
Prin. Invest.: G J BUNICK
Tech. Officer: MSFC/B GUYNES
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1080 UNIV OF TENNESSEE - KNOXVILLE 8532
BIOLUMINESCENT BIOREPORTER INGETRATED CIRCUITS FOR MONITORING SPACECRAFT ENVIRONMENTS
03/15/1999 - 03/14/2002 FY02: $0 Total: $386,132
Prin. Invest.: G S SAYLER
Tech. Officer: JPL/D JAN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1123 UNIV OF TENNESSEE - KNOXVILLE 8533
MEASUREMENT OF SECONDARY NEUTRON AND CHARGES PARTICAL SPECTRA
07/01/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: L W TOWNSEND
Tech. Officer: JSC/F A CUCINOTTA
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1424 UNIV OF TENNESSEE - KNOXVILLE 8534
BIOLUMINESCENT MONITORING OF OPPORTUNISTIC PATHOGE NS IN THE SPACECRAFT ENVIRONMENT
06/14/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: G S SAYLER
Tech. Officer: JSC/D JAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 1187 UNIV OF TENNESSEE - KNOXVILLE 8535
IN SITU & REMOTE SENSING OF MARTIAN GEOLOGY
06/29/2000 - 06/30/2001 FY02: $0 Total: $29,534
Prin. Invest.: J E MOERSCH, E J HENRIKSEN
Tech. Officer: ARC/T L ROUSH, ARC
CASE Category: 32 – GEOLOGICAL SCIENCE

NCC 2 5265 UNIV OF TENNESSEE - KNOXVILLE 8536
THE STUDY OF HYBRID COMPUTATION METHODS FOR THE COMPUTATION OF ROTOR FLOWS AT LOW FLIGHT SPEEDS
04/23/1998 - 10/31/2000 FY02: $0 Total: $40,000
Prin. Invest.: J STEINHOFF
Tech. Officer: ARC/F CARDONNA
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5390 UNIV OF TENNESSEE - KNOXVILLE 8537
ENABLING QUANTUM MECHANICAL SIMULATIONS OF CARBON NANOTUBES
08/15/2000 - 01/31/2001 FY02: $0 Total: $5,000
Prin. Invest.: P RAGHAVAN
Tech. Officer: ARC/T R GOVINDAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NGT 5 50206 UNIV OF TENNESSEE - KNOXVILLE 8538
EVALUATION OF CONSTRUCTED MICROBIAL COMMUNITIES AS INOCULA FOR BIOLOGIGAL SUPPORT SYSTEMS
07/09/1998 - 07/14/2001 FY02: $0 Total: $66,000
Prin. Invest.: G SAYLER
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NGT 5 50286 UNIV OF TENNESSEE - KNOXVILLE 8539
THE PETROLOGY & TEMPORAL & SPATIAL EVOLUTION OF MARTIAN VOLCANISM FROM THERMALEMISSION DATA OF
06/22/2000 - 07/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: H Y MCSWEEN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52920 UNIV OF TENNESSEE - KNOXVILLE 8540
CONTINUOUS CROSS SECTION DATABASE DEVEL FOR GENERA LIZED THREE DIMENSION RADIATION TRANSPRT CODES
05/29/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: L TOWNSEND
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2680 UNIV OF TENNESSEE SPACE INST-TULLAHOMA 8541
PULSED DETONATION ENGINE TECHNOLOGY - IC-02-33 PULSED DETONA-TIONENGINE TECHNOLOGY - IC-02-33
12/19/2001 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: D L MERKLE
Tech. Officer: GRC/R FERNANDEZ
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 4387 UNIV OF TENNESSEE SPACE INST-TULLAHOMA 8542
CONSTRAINING ACCRETION AND DIFFERENTIATION OF PLAN MODELLING
04/24/1997 - 02/28/2002 FY02: $0 Total: $244,100
Prin. Invest.: D Y MCSWEEN, JR.
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAS 8 97301 UNIV OF TENNESSEE SPACE INST-TULLAHOMA 8543
CRITICAL PHYSICAL PROCESSES, IGNITION, DDT LENGTHS AND TIME ACCURATE TREATMENTS
07/30/1997 - 12/28/2001 FY02: $0 Total: $254,000
Prin. Invest.: J W MUELHAUSER
Tech. Officer: MSFC/J COLE
CASE Category: 13 – PHYSICS

NCC 2 5413 UNIV OF TENNESSEE SPACE INST-TULLAHOMA 8544
ALGORITHMIC ENHANCEMENTS FOR UNSTEADY AERODYNAMICS & COM-BUSTION APPLICATIONS
12/14/2000 - 09/30/2001 FY02: $0 Total: $40,224
Prin. Invest.: S VENKATESWARAN
Tech. Officer: ARC/M E OLSEN
CASE Category: 49 – ENGINEERING, OTHER

NCC 2 5493 UNIV OF TENNESSEE SPACE INST-TULLAHOMA 8545
ALGORITHMIC ENHANCEMENTS FOR UNSTEADY AERODYNAMICS MUL-TIPHASE AND COMBUSTION APPLICATIONS
05/24/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: S VENKATESWARAN
Tech. Officer: ARC/G KLOPFER, ARC/M E OLSEN
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 3 2401 VANDERBILT UNIV 8546
SEPARATION OF CARBON MONOXIDE AND CARBON DIOXIDE F OR MARS ISRU
04/25/2000 - 11/30/2003 FY02: $0 Total: $138,305
Prin. Invest.: D LEVAN
Tech. Officer: GRC/R D GREEN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 8618 VANDERBILT UNIV 8547
A STUDY OF ION OUTFLOW AS A SOURCE FOR THE MAGNETO SPHERE
06/14/1999 - 06/30/2002 FY02: $0 Total: $172,044
Prin. Invest.: R CHAPPELL
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 11 – ASTRONOMY

NAG 5 8906 VANDERBILT UNIV 8548
THE PRESSURE IONIZATION OF HYDROGEN & THE INTERIOR OF JUPITER & SATURN
12/29/1999 - 01/31/2003 FY02: $0 Total: $52,650
Prin. Invest.: D SAUMON
Tech. Officer: GSFC/J GRANT
CASE Category: 13 – PHYSICS

NAG 5 9565 VANDERBILT UNIV 8549
NEW ISTP SOLAR MAX: A MULTI-SPACECRAFT STUDY OF THE FLOW OF IONOSPHERIC PLASMA
05/09/2000 - 05/14/2002 FY02: $0 Total: $70,000
Prin. Invest.: C CHAPPELL
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9828 VANDERBILT UNIV 8550
SINGLE EVENT EFFECTS IN COMBINATIONAL LOGIC.
08/23/2000 - 08/31/2001 FY02: $0 Total: $25,000
Prin. Invest.: L MASSENGILL
Tech. Officer: GSFC/J BARTH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10572 VANDERBILT UNIV 8551
THE TIMESCALE FOR THE FORMATION OF PLANETARY SYSTEMS
03/13/2001 - 03/31/2002 FY02: $0 Total: $15,000
Prin. Invest.: D WEINTRAVB
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12429 VANDERBILT UNIV 8552
IMMUNOISOLATION OF LIVING ISLETS AS A FUNCTIONAL C URE FOR DIABETES - LARGE ANIMAL STUDIES
07/29/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: T G WANG
Tech. Officer: GSFC/L P CHAMBERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1662 VANDERBILT UNIV 8553
RECOVERY OF MINERALS IN MARTIAN SOILS VIA SUPERCRITICAL FLUID EXTRACTIONS.
06/01/2000 - 11/30/2003 FY02: $0 Total: $135,250
Prin. Invest.: K A DEBELAK
Tech. Officer: MSFC/P DOTY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1677 **VANDERBILT UNIV** **8554**
INVESTIGATION OF TGHE RELATIONSHIP BETWEEN UNDERCOOLING AND SOLIDIFICATION VELOCITY.
05/08/2000 - 11/30/2003 FY02: $0 Total: $222,493
Prin. Invest.: R J BAYUZICK
Tech. Officer: MSFC/P DOTY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1745 **VANDERBILT UNIV** **8555**
FLOW VISULAIZATION STUDIES IN MOLTEN ZONES
09/29/2000 - 07/31/2003 FY02: $0 Total: $62,500
Prin. Invest.: A V ANIKUMER
Tech. Officer: MSFC/R GRUGEL
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1273 **VANDERBILT UNIV** **8556**
DESIGN THROUGH MANUFACTURING: SOLID MODEL-FINITE ELEMENT ANALYSIS INTERFACE
01/09/2001 - 09/30/2002 FY02: $0 Total: $15,500
Prin. Invest.: C HACHEY
Tech. Officer: JSC/R ARONOFF
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 1428 **VANDERBILT UNIV** **8557**
ROBOT ACQUISITION OF ACTIVE MAPS THROUGH TELEOPERA TION & VECTOR SPACE ANALYSIS
05/29/2002 - 06/03/2002 FY02: $0 Total: $0
Prin. Invest.: R A PETERS
Tech. Officer: JSC/R T SAVELY
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 1446 **VANDERBILT UNIV** **8558**
ANTONOMOUS BEHAVIORS BY ROBOTIC ASSISTANTS
08/01/2002 - 07/31/2004 FY02: $0 Total: $0
Prin. Invest.: K KAWAMURA
Tech. Officer: JSC/R SAVELY
CASE Category: 22 – COMPUTER SCIENCE

NCC 1 01018 **VANDERBILT UNIV** **8559**
AEROELASTICITY IN ORNITHOPIC MICRO-AERIAL VECHILES MY 1/3
01/22/2001 - 09/30/2003 FY02: $0 Total: $33,330
Prin. Invest.: K D FRAMPTOM
Tech. Officer: LARC/D L RANEY, LARC/D E COX
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01031 **VANDERBILT UNIV** **8560**
SYSTEMS RISK ASSESSMENT AND ALLOCATION IN CONCEPTU AL DESIGN
03/12/2001 - 12/31/2002 FY02: $0 Total: $100,000
Prin. Invest.: S MAHADEVAN
Tech. Officer: LARC/T A ZHANG
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1127 **VANDERBILT UNIV** **8561**
ADSORPTION EQUILIBRIUM & FIXED BED PERFORMANCE FOR REGENERABLE INCINERATOR EXHAUST PURIFICATION & T
06/21/1999 - 05/31/2003 FY02: $0 Total: $180,404
Prin. Invest.: M D LEVAN
Tech. Officer: ARC/J E FINN
CASE Category: 43 – CHEMICAL ENGR

NCC 2 1238 **VANDERBILT UNIV** **8562**
ROBUST METHODS FOR AUTONOMOUS FAULT ADAPTIVE CONTR OL OF COMPLEX SYSTEMS
04/06/2001 - 02/28/2003 FY02: $0 Total: $90,000
Prin. Invest.: G BISWAS
Tech. Officer: ARC/R MORRIS, ARC/D J CLANCY
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5384 **VANDERBILT UNIV** **8563**
MODELING OF HYBRID MEMBRANE/ADSORBER FOR CARBON DI OXIDE REMOVAL AND COMPARISON WITH FOUR-BED MOLE..
05/30/2000 - 06/30/2001 FY02: $0 Total: $48,637
Prin. Invest.: M D LEVAN
Tech. Officer: ARC/J E FINN
CASE Category: 43 – CHEMICAL ENGR

NCC 8 255 **VANDERBILT UNIV** **8564**
RESEARCH DEVELOPMENT NSSTC
01/31/2002 - 02/07/2007 FY02: $0 Total: $0
Prin. Invest.: S H SMARTT
Tech. Officer: MSFC/S COLEMAN, MSFC/R SILVER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 52227 **VANDERBILT UNIV** **8565**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
01/20/2000 - 12/31/2001 FY02: $0 Total: $34,001
Prin. Invest.: A COX
Tech. Officer: LARC/G C HORNER
CASE Category: 46 – MECHANICAL ENGR

NGT 5 105 **VANDERBILT UNIV** **8566**
CHARACTERIZATION OF PROTON RADIATION EFFECTS IN LI NEAR BIPOLAR DEVICES & CIRCUITS/STUDENT: H BARNAB
05/26/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: R D SCHRIMPF
Tech. Officer: GSFC/G A SOFFEN
CASE Category: 45 – ELECTRICAL ENGR

NGT 5 40054 **VANDERBILT UNIV** **8567**
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
02/12/1997 - 01/31/2001 FY02: -$27,738 Total: $1,763,012
Prin. Invest.: A M STRAUSS
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40074 **VANDERBILT UNIV** **8568**
TENNESSEE SPACE GRANT COLL & FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $27,738 Total: $488,488
Prin. Invest.: A M STRAUSS
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50209 **VANDERBILT UNIV** **8569**
INVESTIGATION OF EFFECTS OF DILUTE OXYGEN SOLUTE O N NUCLEATION OF ZIRCONIUM
07/10/1998 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: R BAYUZICK
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 43 – CHEMICAL ENGR

NGT 8 52859 VANDERBILT UNIV 8570
INTEGRATION OF HAPTIC FEEDBACK INTO VIRTUAL ENVIRONMENTS FOR MISSION OPERATION APPLICATION
07/23/1998 - 08/14/2001 FY02: $0 Total: $66,000
Prin. Invest.: M GOLDFARB
Tech. Officer: MSFC/J F DOWDY
CASE Category: 46 – MECHANICAL ENGR

NGT 8 52905 VANDERBILT UNIV 8571
DESIGN AND FABRICATION OF INDIUM-TIN-OXIDE (ITO) MICRO-SCALE STRAIN SENSORS
05/25/2001 - 07/01/2004 FY02: $0 Total: $22,000
Prin. Invest.: R A WELLER
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 46 – MECHANICAL ENGR

NGT 8 52907 VANDERBILT UNIV 8572
AEROSPACE STRUCTURAL SYSTEM RELIABILITY ASSESSMENT
05/25/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: S MAHADEVAN
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 44 – CIVIL ENGR

NGT 8 52910 VANDERBILT UNIV 8573
UV RAMAN LINESHAPES FOR TEMPERATURE DETERMINATION
05/31/2001 - 06/30/2005 FY02: $0 Total: $22,000
Prin. Invest.: R W PITZ
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 46 – MECHANICAL ENGR

NGT 9 52 VANDERBILT UNIV 8574
MACHINE PERCEPTION TO FACILITATE HUMAN-ROBOT INTER ACTION
07/17/2000 - 08/31/2002 FY02: $0 Total: $44,000
Prin. Invest.: R A PETERS II
Tech. Officer: JSC/C J CULBERT
CASE Category: 49 – ENGINEERING, OTHER

TEXAS

NAG 5 10102 AUSTIN COLL-SHERMAN 8575
FLOOD FORECASTING USING A REGIONAL SCALE ATMOSPHERE/LAND-SURFACE MODELING SYSTEM.
12/11/2000 - 12/14/2003 FY02: $0 Total: $32,134
Prin. Invest.: D R BAKER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 2 1355 BAYLOR COLL OF MEDICINE 8576
ROLE OF MATH1 IN DEVELOPMENT & FUNCTION OF PROPRIO RECEPTORS
07/22/1999 - 07/14/2003 FY02: $0 Total: $494,733
Prin. Invest.: H J BELLEN, H Y ZOGHBI
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1357 BAYLOR COLL OF MEDICINE 8577
THE INTERACTIVE COUPLING OF CYTOSKELETON & SIGNAL TRANSDUCTION ELEMENTS IN GRAVITY SENSITIVITY OF T-
07/23/1999 - 07/31/2003 FY02: $0 Total: $435,419
Prin. Invest.: B B HASHEMI
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1496 BAYLOR COLL OF MEDICINE 8578
SENSELESS AND GFI1 IN SENSORY NEURON AND HAIR CELL DEVELOPMENT
07/11/2001 - 06/30/2003 FY02: $0 Total: $139,783
Prin. Invest.: H J BELLEN
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1383 BAYLOR COLL OF MEDICINE 8579
FOR RESEARCH ENTITLED "LIVER TISSUE ENGINEERING IN MICROGRAVITY ENVIRONMENT"
06/26/1997 - 11/30/2002 FY02: $0 Total: $619,000
Prin. Invest.: B YOFE
Tech. Officer: MSFC/C R TALLEY
CASE Category: 56 – MEDICL

NAG 8 1583 BAYLOR COLL OF MEDICINE 8580
ISLET CELL ASSEMBLY AND FUNCTION IN A NASA MICROGRAVITY BIOREACTOR
02/02/1999 - 11/30/2002 FY02: $0 Total: $394,748
Prin. Invest.: A S RAJAN
Tech. Officer: JSC/N R PELLIS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1052 BAYLOR COLL OF MEDICINE 8581
BIOPHYSICAL MODELS OF DNA DAMAGE,MUTATION,&...
08/25/1998 - 09/24/2002 FY02: $0 Total: $271,674
Prin. Invest.: L E PETERSON
Tech. Officer: JSC/F A CUCINOTTA
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1151 BAYLOR COLL OF MEDICINE 8582
NONINVASIVE MONITORING OF BONE RESORPTION AND SWEAT CALCIUM USING SKIN PATCHES
09/16/1999 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: A D LE BLANC
Tech. Officer: JSC/C W LLOYD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1153 BAYLOR COLL OF MEDICINE 8583
PROTECTING SCIENTIFIC INTEGRITY THROUGH DISCLOSURE OF CONFLICTS OF INTERESTS
09/13/1999 - 09/30/2003 FY02: $0 Total: $534,934
Prin. Invest.: B A BRODY
Tech. Officer: JSC/C LLOYD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1158 BAYLOR COLL OF MEDICINE 8584
ROLE OF GROWTH HORMONE SECRETOGOUS AND EXERCISE ON MUSCLE HOMEOSTASIS UNDER MICROGRAVITY
10/01/1999 - 10/31/2002 FY02: $0 Total: $535,172
Prin. Invest.: B J SCHWARTZ
Tech. Officer: JSC/C LLOYD
CASE Category: 56 – MEDICL

NAG 9 1253 BAYLOR COLL OF MEDICINE 8585
EFFECTS OF ANTI-ORTHOSTATIC SUSPENSION ON INNATE IMMUNITY
09/11/2000 - 09/30/2003 FY02: $0 Total: $182,711
Prin. Invest.: C SMITH
Tech. Officer: JSC/C LLOYD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1361 BAYLOR COLL OF MEDICINE 8586
LIVER TISSUE ENGINEERING IN MICROGRAVITY ENVIRONMENT
07/13/2001 - 09/30/2004 FY02: $0 Total: $47,000
Prin. Invest.: B YOFEE
Tech. Officer: JSC/D RISIN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 9 58 BAYLOR COLL OF MEDICINE 8587
NATIONAL SPACE BIOMEDICAL RESEARCH INST
03/26/1997 - 11/30/2002 FY02: $3,641,000 Total: $71,814,063
Prin. Invest.: B R ALFORD, M.D.
Tech. Officer: JSC/C F SAWIN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 9 61 BAYLOR COLL OF MEDICINE 8588
PREVENTION OF BED REST OSTEOPOROSIS
05/23/1997 - 01/31/2003 FY02: $0 Total: $2,320,039
Prin. Invest.: A D LE BLANC
Tech. Officer: JSC/L C SHACKELFORD
CASE Category: 56 – MEDICL

NCC 9 88 BAYLOR COLL OF MEDICINE 8589
COMPARISON OF STRENGTH TRAINING WITH ISS INTERIM RESISTANCE EXERCISE DEVISE VS FREE
07/20/1999 - 07/31/2002 FY02: $0 Total: $29,760
Prin. Invest.: A BEBLANC
Tech. Officer: JSC/S SCHNEIDER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 8566 HOUSTON COMM COLL 8590
NASA/HCC SCIENCE CHALLENGE PROGRAM
05/20/1999 - 12/31/2000 FY02: $0 Total: $150,000
Prin. Invest.: C GARCIA
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10239 HOUSTON COMM COLL 8591
NASA HCC SCIENCE CHALLENGE PROGRAM
01/10/2001 - 05/31/2002 FY02: $0 Total: $149,298
Prin. Invest.: C GARCIA
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 126 LAMAR UNIV 8592
DEVELOPMENT OF MINIATURE LASER MASS SPECTROMETER SYSTEM FOR PLANETARY STUDIES
04/20/2001 - 07/14/2003 FY02: $0 Total: $200,000
Prin. Invest.: S L JORDAN, G M IRWIN
Tech. Officer: SSC/G A MCKAY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1274 LE TOURNEAU UNIV 8593
ANALYSIS OF ARBON NAONTUBE FORMATION & EMISSION SP ECTRA IN LASER ABLATION PROCESS
01/09/2001 - 01/30/2002 FY02: $0 Total: $15,500
Prin. Invest.: G DE BOER
Tech. Officer: JSC/C SCOTT
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 1170 OUR LADY OF THE LAKE UNIV 8594
ENGAGING EDUCATORS IN THE EARTH/SCIENCE ENTERP
09/24/1999 - 01/31/2002 FY02: $0 Total: $199,304
Prin. Invest.: K A WARD
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11658 PAUL QUINN COLL 8595
MSET INST FOR ATRRACTING STUDENTS TO THE SCIE NCES
02/12/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: S JONES
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 4 148 PRAIRIE VIEW A&M UNIV 8596
RADIATION EFFECTS ON ELECTRONIC MATERIAL AND DEVICES
03/03/1998 - 02/27/2003 FY02: $0 Total: $266,999
Prin. Invest.: R WILKINS
Tech. Officer: DFRC/E COX
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 210 PRAIRIE VIEW A&M UNIV 8597
MITIGATION OF HIGH ALTITUDE AND LOW EARTH ORBIT RA DIATION EFFECTS ON MICROELECTRONICSVIA SHIELDING
06/07/2000 - 06/06/2003 FY02: $0 Total: $200,000
Prin. Invest.: D K KIRBY
Tech. Officer: DFRC/D GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 4 233 PRAIRIE VIEW A&M UNIV 8598
EXPLORATORY ALGORITHM DEVELOPMENT STUDY OF A WAVEL ET-BASED ADAPTIVE SMART SCHEME FOR VIBRATION DETE
08/14/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: D M AKUJUOBI
Tech. Officer: DFRC/K KLOESEL
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11070 PRAIRIE VIEW A&M UNIV 8599
CENTER FOR APPLIED RADIATION RESEARCH PARTNERSHIP PROGRAM
06/29/2001 - 08/31/2002 FY02: $0 Total: $200,000
Prin. Invest.: R WILKINS
Tech. Officer: GSFC/J MALONE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1338 PRAIRIE VIEW A&M UNIV 8600
ESTABLISHMENT OF A SOLAR OBSERVATORY AND STUDIES ON THE SOLAR ATMOSPHERE
03/18/1997 - 03/31/2003 FY02: $0 Total: $438,700
Prin. Invest.: T HUANG
Tech. Officer: MSFC/J M DAVIS
CASE Category: 11 – ASTRONOMY

NAG 8 1644 PRAIRIE VIEW A&M UNIV 8601
ADVANCED FUEL INJECTOR OPTIMIZATION FOR RBCC ENGINE CONCEPT
09/30/1999 - 09/30/2002 FY02: $0 Total: $200,000
Prin. Invest.: Z HAQUE, N BUTUK
Tech. Officer: MSFC/A BEAM, MSFC/W LOVE
CASE Category: 43 – CHEMICAL ENGR

NAG 8 1874 PRAIRIE VIEW A&M UNIV 8602
STUDIES OF SOLAR PROMINENCES AND FILAMENTS
06/18/2002 - 05/31/2004 FY02: $0 Total: $0
Prin. Invest.: T HUANG
Tech. Officer: MSFC/J DAVIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 9 1136 PRAIRIE VIEW A&M UNIV 8603
POWER QUALITY AND RELIABILITY
08/24/1999 - 08/23/2001 FY02: $0 Total: $100,000
Prin. Invest.: W F TROTTY, J ATTIA
Tech. Officer: JSC/W C ROEH, JSC/L M ARMENDARIZA
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1241 **PRAIRIE VIEW A&M UNIV** **8604**
USE OF ELCTROMIGRATION TO IMMOBILIZE METAL IONS
06/22/2000 - 05/31/2003 FY02: $0 Total: $120,000
Prin. Invest.: R CUERO
Tech. Officer: JSC/D S MCKAY, JSC/L ARMENDARIZ
CASE Category: 55 – AGRICULTURE

NAG 9 1370 **PRAIRIE VIEW A&M UNIV** **8605**
RADIATION EXPOSURE EFFECTS & SHIELDING ANALYSIS OF CARBON NANTUBE MATERIALS
07/30/2001 - 12/29/2001 FY02: $0 Total: $37,000
Prin. Invest.: R WILKINS
Tech. Officer: JSC/A LEE, JSC/L M ARMENDARIZ
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 9 1405 **PRAIRIE VIEW A&M UNIV** **8606**
DEVELOP DAILY OVSERVATION & RESEARCH PROGRAM AT PR AIRIE VIEW SOLAR OBSERVATORY
05/24/2002 - 05/23/2005 FY02: $0 Total: $0
Prin. Invest.: T S HWANG
Tech. Officer: JSC/K KRISHEN, JSC/L M ARMENDARIZ
CASE Category: 11 – ASTRONOMY

NAG13 46 **PRAIRIE VIEW A&M UNIV** **8607**
TEXAS GULF COAST ENVIRONMENTAL DATA CENTER SAME
10/04/1995 - 04/20/2001 FY02: -$2,579 Total: $267,546
Prin. Invest.: S SHAKIR
Tech. Officer: SSC/A JOYCE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 577 **PRAIRIE VIEW A&M UNIV** **8608**
RESEARCH TO SIGNIFICANTLY ENHANCE COMPOSITES SURVI ABILITY AT 550 DEGREES F IN OXIDATIVE ENVIRONMENT
09/26/1997 - 08/31/2002 FY02: $0 Total: $336,102
Prin. Invest.: L E CARSON-ISABELLE
Tech. Officer: GRC/M A MEADOR
CASE Category: 12 – CHEMISTRY

NCC 3 972 **PRAIRIE VIEW A&M UNIV** **8609**
EFFECTS OF SERVICE CONDITIONS ON THE MORPHOLOGY AN D PROPERTIES OF ADVANCED COMPOSITESFOR CRYOGENIC
06/25/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: D BINEY
Tech. Officer: GRC/M A MEADOR
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 980 **PRAIRIE VIEW A&M UNIV** **8610**
RESEARCH TO SIGNIFICANTLY ENHANCE COMPOSITES SURVI VABILITY AT 550 DEGREES F IN OXIDATIVE ENVIRONMEN
07/03/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: D CARSON-ISABELLE
Tech. Officer: GRC/M MEADOR
CASE Category: 12 – CHEMISTRY

NCC 5 115 **PRAIRIE VIEW A&M UNIV** **8611**
ESTABLISHMENT OF A NASA SOUTHWEST REGIONAL NETWORK RESOURCES TRAINING SITE
08/15/1995 - 09/14/2001 FY02: $0 Total: $2,926,418
Prin. Invest.: J R WILLIAMS
Tech. Officer: GSFC/J HARINGTON
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 529 **PRAIRIE VIEW A&M UNIV** **8612**
NASA SOUTHWEST REGIONAL NETWORK RESOURCES AND TRAINING SITE/MUSPIN NRTS PROGRAM.
02/01/2001 - 01/31/2004 FY02: $0 Total: $350,000
Prin. Invest.: J WILLIAMS
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 591 **PRAIRIE VIEW A&M UNIV** **8613**
IMPROVEMENT OF THE SOLAR OBSERVATION FACILITIES AT PRAIRIE VIEW SOLAR OBSERVATORY
09/14/2001 - 09/14/2002 FY02: $0 Total: $35,500
Prin. Invest.: D HUANG
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 11 – ASTRONOMY

NCC 5 670 **PRAIRIE VIEW A&M UNIV** **8614**
FURTHER IMPROVEMENT OF THE SOLAR OBSERVATION INSTR UMENT. ONE YEAR GRANT.
09/12/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: T HUANG
Tech. Officer: GSFC/J L HARRINGTON
CASE Category: 11 – ASTRONOMY

NCC 9 66 **PRAIRIE VIEW A&M UNIV** **8615**
SOFTWARE ENGINEERING INITIATIVE
09/25/1997 - 12/31/2002 FY02: $0 Total: $1,923,119
Prin. Invest.: J D OLIVER
Tech. Officer: JSC/L MCWHORTER, JSC/K MARTINDALE
CASE Category: 49 – ENGINEERING, OTHER

NCC 9 114 **PRAIRIE VIEW A&M UNIV** **8616**
CENTER APPLIED RADIATION RESEARCH
09/27/2000 - 08/31/2005 FY02: $0 Total: $1,419,999
Prin. Invest.: R WILKINS
Tech. Officer: JSC/F A CUCINOTTA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 1 2134 **RICE UNIV** **8617**
NONLINEAR RECEPTITIVITY AND BY-PASS TRANSITION IN THREE-DIMENSIONAL BOUNDARY LAYERS NRA 98 LARC5
02/10/1999 - 06/30/2002 FY02: $0 Total: $117,458
Prin. Invest.: S S COLLIS
Tech. Officer: LARC/R R ANTOLIFF
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1401 **RICE UNIV** **8618**
VIRTUAL PROTOTYPING FOR CARBON NANOTUBES
04/24/2000 - 03/14/2002 FY02: $0 Total: $113,437
Prin. Invest.: B YAKOBSON
Tech. Officer: ARC/M MEYYAPPAN, ARC/H PARTRIDGE
CASE Category: 13 – PHYSICS

NAG 3 2534 **RICE UNIV** **8619**
AD HOC NETWORKS IN SPACE AND SURFACE SYSTEMS AD HOC NETWORKS IN SPACE AND SURFACE SYSTEMS
03/07/2001 - 12/31/2003 FY02: $0 Total: $325,082
Prin. Invest.: D B JOHNSON
Tech. Officer: GRC/D FOLTZ
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 4072 **RICE UNIV** **8620**
NASA SPECIALIZED CENTER OF RESEARCH AND TRAINING (AL BIOLOGY
04/07/1997 - 10/31/2002 FY02: $0 Total: $3,309,837
Prin. Invest.: L MCINTIRE
Tech. Officer: GSFC/D LASKOWSKY
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 4726 **RICE UNIV** **8621**
DEVELOPMENT AND APPLICATIONS OF A MODULAR MODEL OF MAGNETO-SPHERE
06/19/1997 - 05/14/2002 FY02: $0 Total: $268,344
Prin. Invest.: D R TOFFOLETTO
Tech. Officer: GSFC/D EVANS
CASE Category: 13 – PHYSICS

NAG 5 4822 **RICE UNIV** **8622**
THE OPEN POLAR CAP: COMPARISON OF POLAR IMAGES WI
06/17/1997 - 06/14/2001 FY02: $0 Total: $188,000
Prin. Invest.: D W HILL
Tech. Officer: GSFC/J GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 6432 **RICE UNIV** **8623**
MAGNETOSPHERIC CONVECTION AT JUPITER & SATURN
10/14/1997 - 07/14/2002 FY02: $0 Total: $216,449
Prin. Invest.: D HILL
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7037 **RICE UNIV** **8624**
SOLAR WIND INTERACTION AT VENUS TO MARS, INCLUDING THE MAG-NETIC EFFECTS OF THE MARTIAN CRUSTAL MAGN
02/20/1998 - 02/28/2002 FY02: $0 Total: $189,498
Prin. Invest.: P A CLOUTIER
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 7980 **RICE UNIV** **8625**
MODELING BATSE GAMMA-RAY BURST CONTINUUM SPECTRA A ND SPEC-TRAL EVOLUTION
01/19/1999 - 01/14/2002 FY02: $0 Total: $32,000
Prin. Invest.: E P LIANG
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 8131 **RICE UNIV** **8626**
NUMERICAL SIMULATION OF ROTATION-DRIVEN PLASMA TRA NSPORT IN THE JOVIAN MAGNETOSPHERE
01/28/1999 - 01/31/2003 FY02: $0 Total: $212,054
Prin. Invest.: D W HILL
Tech. Officer: GSFC/D EVANS
CASE Category: 11 – ASTRONOMY

NAG 5 8136 **RICE UNIV** **8627**
"COMPREHENSIVE QUANTITATIVE MODEL OF INNER-MAGNOTS PHERE DYNAMICS."
01/29/1999 - 04/30/2002 FY02: $0 Total: $711,296
Prin. Invest.: R A WOLF
Tech. Officer: GSFC/J GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 8380 **RICE UNIV** **8628**
DATA ANALYSIS FOR POLAR MAGNETIC FIELD EXPERIMENT
04/26/1999 - 12/31/2000 FY02: -$8 Total: $64,992
Prin. Invest.: P REIFF
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9011 **RICE UNIV** **8629**
FAR-UV OBSERVATIONS OF LOW AND HIGH-EXCITATION HER BIG-HARO SHOCKS - FUSE
02/02/2000 - 01/31/2003 FY02: $0 Total: $28,200
Prin. Invest.: P HARTIGAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9077 **RICE UNIV** **8630**
ACCELERATION & TRANSPORT OF ENERGETIC PARTICLES IN THE OUTER MAGNETOSPHERE
02/23/2000 - 08/31/2003 FY02: $0 Total: $157,749
Prin. Invest.: R WOLF
Tech. Officer: GSFC/J SHARBER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9223 **RICE UNIV** **8631**
NUMERICAL SIMULATION OF HIGH ENERGY EMISSIONS FROM COMPACT OBJECTS
03/14/2000 - 03/14/2003 FY02: $0 Total: $199,102
Prin. Invest.: E LIANG
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9904 **RICE UNIV** **8632**
STUDY OF THE SOFT GAMMA-RAY REPEATERS
08/29/2000 - 08/31/2001 FY02: $0 Total: $7,900
Prin. Invest.: E P LIANG
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 10432 **RICE UNIV** **8633**
"PRECISION MINING" OF LARGE SPECTRAL DATA VOLUMES FOR RAPID IDENTIFICATION OF PLANETARY
02/27/2001 - 08/31/2003 FY02: $0 Total: $306,719
Prin. Invest.: E MERENYI
Tech. Officer: GSFC/P HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10816 **RICE UNIV** **8634**
MULTIWAVELENGTH STUDY OF LMC X-1 (ADP 2000)
04/24/2001 - 04/30/2002 FY02: $0 Total: $50,000
Prin. Invest.: E P LIANG
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10841 **RICE UNIV** **8635**
EMISSION FROM MAGNETIZED NEUTRON STARS (ATP 2000)
05/03/2001 - 05/14/2004 FY02: $0 Total: $31,005
Prin. Invest.: M G BARING
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11417 **RICE UNIV** **8636**
ON THE ROLE OF CHARGE EXCHANGE IN THE FORMATION OF THE MARTIAN MAGNETIC PILEUP BOUNDARY
11/28/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: P CLOUTIER
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 11418 **RICE UNIV** **8637**
SOLAR WIND INACTIONS AT VENUS TO MARS, INCLUDING THE MAGNETIC EFFECTS OFTHE MARTIAN CRUSTAL MAGNETI
11/28/2001 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: P CLOUTIER
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 11796 **RICE UNIV** **8638**
PROBING THE SPECTRAL EVOLUTION OF PARTICLES IN THE BLAZAR MKN 421_ ADP99
03/01/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: D FOSSATI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11853 **RICE UNIV** **8639**
THE EXTRAORDINARY CAMPAIGNS ON MKN421 OF 2000/2001 (ADP 2001)
03/20/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: G FOSSATI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11881 **RICE UNIV** **8640**
MAGNETOSPHERIC STORM DYNAMICS
03/27/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: R A WOLF
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 12144 **RICE UNIV** **8641**
INITIAL DEVELOPMENT OF AN ANALYSIS MODEL OF THE IN NER MAGNETO-SPHERE
05/10/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: F R TOFFOLETTO
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12166 **RICE UNIV** **8642**
EVOLUTION AND INFLUENCE OF THE MARTIAN HEMISPHERIC DICHOTOMY
05/14/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: A LENARDIC
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12266 **RICE UNIV** **8643**
WOLF-RAYET STAR HD 192163 (FUSE 2001)
06/24/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: R J DUFOUR
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 8 1467 **RICE UNIV** **8644**
INFLUENCE OF REDUCED GRAVITY CONDITIONS ON THE OPTIMIZED GROWTH AND DEPOSITION OF METAL NANOSHELL
03/06/1998 - 01/31/2003 FY02: $0 Total: $232,917
Prin. Invest.: N J HALAS
Tech. Officer: MSFC/C L TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1766 **RICE UNIV** **8645**
SUPERFLUID PHASE TRANSITION IN AN ULTRACOLD PERMI GAS
04/24/2001 - 04/30/2005 FY02: $0 Total: $86,663
Prin. Invest.: R G HULET
Tech. Officer: MSFC/D S HUBBARD
CASE Category: 13 – PHYSICS

NAG 9 978 **RICE UNIV** **8646**
DEVELOPMENT OF PLASMA INJECTOR FOR VSIPR
10/17/1997 - 09/30/2003 FY02: $0 Total: $170,412
Prin. Invest.: A A CHAN
Tech. Officer: JSC/F CHANG-DIAZ
CASE Category: 13 – PHYSICS

NAG 9 1049 **RICE UNIV** **8647**
LASER ABSORPTION SENSORS
08/04/1998 - 08/05/2002 FY02: $0 Total: $419,720
Prin. Invest.: F K TITTLE
Tech. Officer: JPL/D L JAN
CASE Category: 45 – ELECTRICAL ENGR

NAG 9 1059 **RICE UNIV** **8648**
COMPUTATIONAL METHODS
12/14/1998 - 12/31/2002 FY02: $0 Total: $138,187
Prin. Invest.: T E TEZDUYAR
Tech. Officer: JSC/F MARTIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1249 **RICE UNIV** **8649**
APPLICATION OF MACHINE LEARNING TO THE CONTROL OF ADVANCED LIFE SUPPORT SYSTEMS
07/19/2000 - 12/31/2002 FY02: $0 Total: $20,000
Prin. Invest.: D SUBRAMANIAN
Tech. Officer: JSC/C L FARMER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1285 **RICE UNIV** **8650**
MATRIX OF HYPERVELOCITY IMPACT TESTS
03/02/2001 - 12/31/2001 FY02: $0 Total: $40,000
Prin. Invest.: E V BARRERA
Tech. Officer: JSC/J CREWS
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1435 **RICE UNIV** **8651**
SIMULATION & MODELING OF PARACHUT SYSTEMS
07/01/2002 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: T E TEZDUYAR
Tech. Officer: JSC/G W BOURLAND
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1219 **RICE UNIV** **8652**
INTEGRATED MODELING OF COGNITION AND THE INFORMATI ON ENVI-RONMENT
03/16/2001 - 12/31/2001 FY02: $0 Total: $95,591
Prin. Invest.: M BYRNE, A KIRLIK
Tech. Officer: ARC/B L BEARD
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1279 **RICE UNIV** **8653**
TECHNOLOGY DEVELOPMENT OF MINIATURIZED FAR-INFRARE D SOURCES FOR BIOMOLECULAR SPECTROSCOPY
08/23/2001 - 10/14/2003 FY02: $0 Total: $40,380
Prin. Invest.: J KONO
Tech. Officer: ARC/B BIEGEL
CASE Category: 45 – ELECTRICAL ENGR

NCC 2 1321 **RICE UNIV** **8654**
INTEGRATED MODELING OF COGNITION AND THE INFORMATI ON ENVI-RONMENT
03/12/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: M BYRNE
Tech. Officer: ARC/D C FOYLE, ARC/R ASHFORD
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1356 **RICE UNIV** **8655**
DROSOPHILIA BEHAVIOR AND GENE EXPRESSION IN MICROG RAVITY
07/29/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: K M BECKINGHAM
Tech. Officer: ARC/D R BUBENHIEM
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5458 **RICE UNIV** **8656**
ELECTRONIC PROPERTIES OF ANTIMONIDE-BASE SEMICONDU CTOR NANOSTRUCTURES FOR THZ GENERATION
08/23/2001 - 08/31/2003 FY02: $0 Total: $59,620
Prin. Invest.: J KONO
Tech. Officer: ARC/T R GOVINDAN, ARC/B BIEGEL
CASE Category: 45 – ELECTRICAL ENGR

NCC 5 311 **RICE UNIV** **8657**
MUSEUMS TEACHING PLANET EARTH(UTPE)
04/11/1998 - 02/28/2003 FY02: $0 Total: $1,753,000
Prin. Invest.: P REIFF
Tech. Officer: GSFC/A TUYAHOV
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 77 **RICE UNIV** **8658**
ADVANCED NANOTECHNOLOGY MATERIALS AND APPLICATIONS
10/29/1998 - 10/30/2002 FY02: $0 Total: $2,306,000
Prin. Invest.: R C SMALLEY
Tech. Officer: JSC/G K HORIUCHI
CASE Category: 12 – CHEMISTRY

NGT 2 52252 **RICE UNIV** **8659**
MULTIWAVELENGTH STUDIES OF WOLF-RAYET GALAXIES
09/30/1998 - 10/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: D J DUFOUR
Tech. Officer: ARC/D J HOLLENBACH
CASE Category: 11 – ASTRONOMY

NGT 8 52899 **RICE UNIV** **8660**
THE BROADBAND ANALYSIS OF SPECTRAL AND TEMPORAL PROPERTIES OF GAMMA-RAY BURSTS
05/25/2001 - 07/01/2004 FY02: $0 Total: $22,000
Prin. Invest.: E P LIANG
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 11 – ASTRONOMY

NGT 9 19 **RICE UNIV** **8661**
NOVEL LASER BASED GAS SENSORS FOR TRAVE GAS DETECTION IN A SPACECRAFT HABITAT
08/23/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: F K TITTEL
Tech. Officer: JSC/J C GRAF
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NGT 9 23 **RICE UNIV** **8662**
UNDERSTANDING PROPERTIES OF NANOTUBE REINFORCED ..
05/30/1997 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: E V BARRERA
Tech. Officer: JSC/B FILES
CASE Category: 49 – ENGINEERING, OTHER

NAS 9 00106 **SAN JACINTO COLL** **8663**
COMPUTER TRAINING
09/29/2000 - 09/30/2002 FY02: $0 Total: $358,729
Prin. Invest.: N J ANTHA
Tech. Officer: JSC/D DENTON-MISFELDT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 137 **SAN JACINTO COLL** **8664**
KC 135 STUDENT FLIGHT PROGRAM
09/21/2001 - 08/31/2004 FY02: $0 Total: $96,328
Prin. Invest.: M DALTON
Tech. Officer: JSC/D SICKOREZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 141 **SAN JACINTO COLL** **8665**
PROVIDE AREOSPACE RELATED EXPERIENCE FOR NON TRADITIONAL COMUNITY COLL
08/15/2001 - 08/31/2003 FY02: $0 Total: $15,000
Prin. Invest.: N AVAILABLE
Tech. Officer: JSC/N AVAILABLE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4562 **SOUTHERN METHODIST UNIV** **8666**
CORONAE AND CHASMATA:IMPLICATIONS FOR TERRRESTRIAL
05/29/1997 - 11/30/2001 FY02: $0 Total: $249,866
Prin. Invest.: D L HANSEN
Tech. Officer: GSFC/J GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9142 **SOUTHERN METHODIST UNIV** **8667**
TECTONIC EVOLUTION OF PLANET SURFACES
02/29/2000 - 04/14/2003 FY02: $0 Total: $48,750
Prin. Invest.: V L HANSEN
Tech. Officer: GSFC/D A SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10586 **SOUTHERN METHODIST UNIV** **8668**
TERRESTRIAL PLANET EVOLUTION
03/13/2001 - 05/14/2004 FY02: $0 Total: $65,000
Prin. Invest.: V L HANSEN
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 12289 **SOUTHERN METHODIST UNIV** **8669**
EVALUATE FUNDAMENTAL PROCESSES THAT SHAPE LIFE ON EARTH
06/20/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: J NEEL
Tech. Officer: GSFC/L CHAMBERS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 1 01104 SOUTHERN METHODIST UNIV 8670
BROAD BAND PYROELECTRIC IR DETECTOR FOR FIRST (FAR-INFARED SPECTROSCOPY OF THE TROPOSPHERE)
09/07/2001 - 09/06/2002 FY02: $0 Total: $50,000
Prin. Invest.: Z CELIK-BUTLER, D BUTLER
Tech. Officer: LARC/D G JOHNSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02112 SOUTHWEST TEXAS JUNIOR COLL 8671
2002-2004 SOUTHWEST TEXAS PACE/MSET ACADEMY NRA-02 -OEOP-03
09/03/2002 - 09/02/2005 FY02: $0 Total: $0
Prin. Invest.: A HERNANDEZ
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 21 – MATHEMATICS

NAG 9 1019 SOUTHWEST TEXAS JUNIOR COLL 8672
PRECOLL AWARD FOR EXCELLENCE PACE/MSET
05/28/1998 - 08/31/2002 FY02: $0 Total: $298,420
Prin. Invest.: A HERNANDEZ, JR.
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 376 SOUTHWEST TEXAS STATE UNIV 8673
LOW EIELECTRIC POLYMERS
03/22/2000 - 08/31/2001 FY02: $0 Total: $50,000
Prin. Invest.: P E CASSIDY, M T BLANDA
Tech. Officer: LARC/D M STOAKLEY
CASE Category: 12 – CHEMISTRY

NCC 1 01033 SOUTHWEST TEXAS STATE UNIV 8674
LOW DIELECTRIC POLYMERS
05/10/2001 - 05/09/2002 FY02: $0 Total: $50,000
Prin. Invest.: P E CASSIDY, S R VENUMBAKA
Tech. Officer: LARC/D M STOAKLEY, LARC/C C FAY
CASE Category: 12 – CHEMISTRY

NCC 1 02030 SOUTHWEST TEXAS STATE UNIV 8675
HIGH PERFORMANCE POLYMERS
06/04/2002 - 06/02/2003 FY02: $0 Total: $0
Prin. Invest.: P E CASSIDY, S R VENUMBAKA
Tech. Officer: LARC/G A MINER, LARC/D M STOAKLEY
CASE Category: 12 – CHEMISTRY

NCC 9 54 SOUTHWEST TEXAS STATE UNIV 8676
ORAL HISTORY RESEARCH PROJECT
03/01/1999 - 09/30/2001 FY02: $0 Total: $38,683
Prin. Invest.: K MARGERISON
Tech. Officer: JSC/W A LARSEN
CASE Category: 73 – HISTORY

NAG 1 01005 TEXAS A&M UNIV 8677
UNSTEADY RANS COMPUTATIONS OF COMPLEX TURBULENT FLOWS: MODELING & IMPLEMENTATION
02/15/2001 - 12/31/2003 FY02: $0 Total: $68,009
Prin. Invest.: S GIRIMAJI
Tech. Officer: LARC/B A SINGER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01015 TEXAS A&M UNIV 8678
ACTIVE SKIN FOR TURBULENT DRAG REDUCTION
02/15/2001 - 05/31/2002 FY02: $0 Total: $65,000
Prin. Invest.: O K REDINIOTIS, D C LAGOUDAS
Tech. Officer: LARC/M J WALSH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01080 TEXAS A&M UNIV 8679
HIERARCHIACAL STRATEGY FOR RAPID ANALYSIS ENVIRONMENT
05/11/2001 - 01/31/2004 FY02: $0 Total: $60,000
Prin. Invest.: J D WHITCOMB
Tech. Officer: LARC/I S RAJU, LARC/J B RANSOM
CASE Category: 46 – MECHANICAL ENGR

NAG 1 02002 TEXAS A&M UNIV 8680
ANAL OF HISTORICAL CIRRUS IN-SITU DATA IN SUPPORT OF TERRA, AQUA & GIFTS CIRRUS RETRIEVAL EFFORTS
11/07/2001 - 11/06/2004 FY02: $0 Total: $0
Prin. Invest.: P YANG
Tech. Officer: LARC/V E DELNORE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02069 TEXAS A&M UNIV 8681
ACTIVE SKIN FOR TURBULENT DRAG REDUCTION
03/20/2002 - 03/19/2003 FY02: $0 Total: $0
Prin. Invest.: O K REDINIOTIS, D C LAGOUDAS
Tech. Officer: LARC/M J WALSH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1340 TEXAS A&M UNIV 8682
ADAPTATIONS OF VISCERAL & CEREBRAL RESISTANCE ARTE RIES TO SIMULATED MICROBGRAVITY
07/16/1999 - 06/30/2003 FY02: $0 Total: $368,261
Prin. Invest.: M D DELP
Tech. Officer: ARC/M M AVERNER, ARC/R MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2551 TEXAS A&M UNIV 8683
MULTI-BEAM PHASED ARRAY ANTENNAS MULTI-BEAM PHASED ARRAY ANTENNAS
02/28/2001 - 02/28/2003 FY02: $0 Total: $100,000
Prin. Invest.: D CHANG
Tech. Officer: GRC/R LEE
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2617 TEXAS A&M UNIV 8684
ADVANCED LITHIUM ION POLYMER BATTERIES FOR AEROSPA CE APPLI-CATION
05/23/2001 - 05/31/2004 FY02: $0 Total: $106,000
Prin. Invest.: D APPLEBY
Tech. Officer: GRC/R BALDWIN
CASE Category: 12 – CHEMISTRY

NAG 3 2712 TEXAS A&M UNIV 8685
MICROSCALE INVESTIGATION OF THERMO-FLUID TRANSPORT IN THE TRANSITION FILM REGION OF AN EVAPORATING
02/21/2002 - 11/30/2005 FY02: $0 Total: $0
Prin. Invest.: D D KHIM
Tech. Officer: GRC/M M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2721 TEXAS A&M UNIV 8686
PARTIALLY AVERAGED NAVIER-STOKES EQUATION: MODELIN G AND COM-PUTATION #02-171.
03/04/2002 - 02/10/2005 FY02: $0 Total: $0
Prin. Invest.: D GIRIMAJI
Tech. Officer: GRC/D A POVINELLI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 6446 **TEXAS A&M UNIV** **8687**
WORLD OCEAN CIRCULATION EXPERIMENT: SUPPORT FOR TH E U.S. WOCE OFFICE
11/25/1997 - 12/31/2002 FY02: $0 Total: $375,000
Prin. Invest.: W D NOWLIN
Tech. Officer: GSFC/J CAMPBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7751 **TEXAS A&M UNIV** **8688**
DOES SOUTHERN OCEAN SEA ICE AFFECT INTERANNUAL OCE AN VARI-ABILITY
11/19/1998 - 12/31/2001 FY02: $0 Total: $178,940
Prin. Invest.: A STOESEL
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8706 **TEXAS A&M UNIV** **8689**
NOX PRODUCTION BY LIGHTNING AND ITS IMPACT ON THE CHEMISTRY OF THE UPPERTROPOSPHERE AND LOWERSTRATO
07/19/1999 - 08/31/2003 FY02: $0 Total: $270,455
Prin. Invest.: R ZHANG
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9409 **TEXAS A&M UNIV** **8690**
MODELING TROPICAL ATLANTIC VARIABILITY
04/06/2000 - 06/30/2003 FY02: $0 Total: $70,000
Prin. Invest.: P CHANG
Tech. Officer: GSFC/K BERGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9455 **TEXAS A&M UNIV** **8691**
CONTINUED DEVELOPMENT OF SNOW AND SEA ICE ALBEDO ALGORITHMS FOR MODERATE RESOLUTION IMAGING
04/12/2000 - 12/31/2000 FY02: $0 Total: $19,849
Prin. Invest.: A KLEIN
Tech. Officer: GSFC/D K HALL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9485 **TEXAS A&M UNIV** **8692**
DEVELOPMENT OF A LONG-RANGE SCIENCE PLAN FOR SUB- GLACIAL LAKE EXPLORATION
04/25/2000 - 04/30/2001 FY02: $0 Total: $27,335
Prin. Invest.: M C KENNICUT
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9649 **TEXAS A&M UNIV** **8693**
STATISTICAL SAMPLING AND ESTIMATION PROBLEMS USING TRMM DATA
06/26/2000 - 11/30/2003 FY02: $0 Total: $139,180
Prin. Invest.: G R NORTH
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9697 **TEXAS A&M UNIV** **8694**
VALIDATION OF TRMM RAINFALL AND HEATING ESTIMATES
07/26/2000 - 11/30/2002 FY02: $0 Total: $200,000
Prin. Invest.: M I BIGGERSTAFF
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9729 **TEXAS A&M UNIV** **8695**
PHYSICAL VALIDATION OF TMI OCEANIC RAINFALL RETRIE VALS
06/22/2000 - 11/30/2002 FY02: $0 Total: $163,600
Prin. Invest.: T WILHEIT
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10549 **TEXAS A&M UNIV** **8696**
AIRCRAFT-BASED MEASUREMENT OF AEROSOL OPTICAL PROPERTIES
03/09/2001 - 03/14/2004 FY02: $0 Total: $111,414
Prin. Invest.: D COLLINS
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10641 **TEXAS A&M UNIV** **8697**
ASSIMILATING SATELLITE-DERIVED SEA-ICE CONCENTRA- TION IN A GLO-BAL COUPLEDSEA-ICE-OCEAN GCM
03/17/2001 - 03/14/2004 FY02: $0 Total: $65,640
Prin. Invest.: S STOESSEL
Tech. Officer: GSFC/W ABDALATI
CASE Category: 33 – OCEANOGRAPHY

NAG 5 10829 **TEXAS A&M UNIV** **8698**
SUPPORT FOR U.S. WOCE OFFICE AND U.S. GOOS OFFICE
04/25/2001 - 04/30/2004 FY02: $0 Total: $75,000
Prin. Invest.: W NOWLIN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 33 – OCEANOGRAPHY

NAG 5 10877 **TEXAS A&M UNIV** **8699**
CONTINUED DEVELOPMENT OF SNOW AND SEA ICE ALBEDO ALGORITHMS FOR THE MODERATE RESOLUTION IMAGING
05/16/2001 - 08/31/2001 FY02: $0 Total: $15,000
Prin. Invest.: A KLEIN
Tech. Officer: GSFC/D K HALL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11013 **TEXAS A&M UNIV** **8700**
IMPROVEMENT OF RAIN ESTIMATION IN TROPICAL CYCLONE
07/10/2001 - 06/14/2004 FY02: $0 Total: $228,000
Prin. Invest.: M BOGGERSTAFF
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11144 **TEXAS A&M UNIV** **8701**
EFFECTS OF URBANIZATION ON ECOLOGICAL SERVICES IN A SEMI-ARID REGION OF THE UNITED STATES
07/25/2001 - 08/14/2004 FY02: $0 Total: $94,341
Prin. Invest.: R LACEY
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11349 **TEXAS A&M UNIV** **8702**
DYNAMICS AND CONTROL OF LARGE SATELLITE FORMATIONS
10/01/2001 - 10/14/2002 FY02: $60,000 Total: $60,000
Prin. Invest.: K T ALFRIEND
Tech. Officer: GSFC/J A LEITNER
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 11374 TEXAS A&M UNIV 8703
SCATTERING & ABSORPTION PROPERTIES OF NONSPHERICAL /INHOMOGENEOUS AEROSOLS & ICE CRYSTALS:
11/16/2001 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: P YANG
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11375 TEXAS A&M UNIV 8704
SPACE-TIME DYNAMICS OF SOIL MOISTURE AND TEMPERATU RE-SCALE ISSUES
10/25/2001 - 11/30/2003 FY02: $104,082 Total: $104,082
Prin. Invest.: B P MOHANTY
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11681 TEXAS A&M UNIV 8705
"IMPACT OF FIELD-SCALE HETEROGENEITY IN SURFACE MO ISTURE AND VEGETATION COVER ON REGIONAL SCALE FLU
01/31/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: A CAHILL
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11702 TEXAS A&M UNIV 8706
"EVOLUTION OF MULTI-SCALE HYDROLOGIC PROCESSES AND ITS IMPACT ON LAND-ATMOSPHERE INTERACTION"
02/07/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: B P MOHANTY
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11847 TEXAS A&M UNIV 8707
VALIDATION OF A SNOW ALBEDO ALGORITHM FOR THE MODE RATE RESOLUTION IMAGING SPECTRORADIOMETER
03/28/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: A KLEIN
Tech. Officer: GSFC/D K HALL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11935 TEXAS A&M UNIV 8708
RETRIEVE CIRRUS REFLECTANCE USING VISIBLE AND 1.38 -UM WATER ABSORPTION BANDS
03/27/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: P YANG
Tech. Officer: GSFC/W WISCOMBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11992 TEXAS A&M UNIV 8709
INVESTIGATION OF TITAN'S AEROSOLS
04/12/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: M T LEMMON
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12120 TEXAS A&M UNIV 8710
ANAYLSIS OF MEASUREMENT AND MODELING STUDIES FOR CRYSTAL-FACE
04/29/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: P YANG
Tech. Officer: GSFC/S TSAY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1618 TEXAS A&M UNIV 8711
R&D OF HIGH GAIN, HIGH EFFICIENCY, CIRCULAR POLAR- IZED RECTEN-NAS
07/06/1999 - 01/31/2001 FY02: $0 Total: $350,000
Prin. Invest.: K CHANG
Tech. Officer: MSFC/J HOWELL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1802 TEXAS A&M UNIV 8712
THERMOPHYSICAL ESEM & TEM CHARACTERIZATION OF CARBON FIBERS" CTE, SPECTROSCOPY & ROUGHNESS STUDY
04/20/2001 - 01/31/2003 FY02: $0 Total: $64,304
Prin. Invest.: O O OCHOA
Tech. Officer: MSFC/M R EFFINGER, MSFC/P VALENTINE
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1853 TEXAS A&M UNIV 8713
COMPUTATIONAL ANALYSIS OF CRYOGENIC FLUID FILM BEARINGS SOFT-WARE UPGRADE
11/01/2001 - 11/01/2002 FY02: $0 Total: $0
Prin. Invest.: L S ANDRES
Tech. Officer: MSFC/T JETT
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1067 TEXAS A&M UNIV 8714
PLANT GROWTH AND METABOLISM AT SUB-AMBIENT ATMOSPHERE PRES-SURES
01/06/1999 - 12/31/2002 FY02: $0 Total: $465,446
Prin. Invest.: M C DREW
Tech. Officer: JSC/D BARTA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1119 TEXAS A&M UNIV 8715
STABILITY OF RETORT PROCESSED MILK PRODUCTS
07/01/1999 - 06/30/2001 FY02: $0 Total: $60,000
Prin. Invest.: R L RICHTER
Tech. Officer: JSC/C T BOURLAND
CASE Category: 55 – AGRICULTURE

NAG 9 1145 TEXAS A&M UNIV 8716
SEPARATION OF LIQUID PHASE FR GAS PHASE
09/09/1999 - 01/31/2002 FY02: $0 Total: $150,000
Prin. Invest.: J SEYED-YAGOOBI, F R BEST
Tech. Officer: JSC/E K UNGAR
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1188 TEXAS A&M UNIV 8717
NAVIGATION SYSTEMS & TECHNOLOGY LAB (NSR) ATTITUDE DETERMINA-TION
01/28/2000 - 12/31/2002 FY02: $0 Total: $159,345
Prin. Invest.: J L CRASSIDIS
Tech. Officer: JSC/J W BELL
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1231 TEXAS A&M UNIV 8718
SYNTHESIS AND EVALUATION OF ROBUST DYNAMIC INVERSION
05/22/2000 - 09/30/2001 FY02: $0 Total: $97,320
Prin. Invest.: J L VALASEK
Tech. Officer: JSC/S R MONDAY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1239 **TEXAS A&M UNIV** **8719**
VARIABLE ISP ROCKET TRAJECTORY OPTIMIZATION
06/30/2000 - 05/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: S R VADALI
Tech. Officer: JSC/E M BRADEN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1268 **TEXAS A&M UNIV** **8720**
FLIGHT TESTS OF AN UNMANNED POWERED PARACHUTE
01/11/2001 - 03/29/2002 FY02: $0 Total: $219,534
Prin. Invest.: D T WARD, J L CRASSIDS, D W LUND
Tech. Officer: JSC/A STRAHAN, JSC/C J CERIMELE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1277 **TEXAS A&M UNIV** **8721**
MICROFABRICATED OPTICAL BIOSENSOR ARRAYS FOR AIR QUALITY MONITORING
01/24/2001 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: M V PISHKO
Tech. Officer: JSC/D RUSSO
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 9 1328 **TEXAS A&M UNIV** **8722**
IMMWPS SEPARATOR KC-135 FLIGHT DIAGNOSTIC TESTING
06/18/2001 - 08/01/2002 FY02: $0 Total: $50,000
Prin. Invest.: F R BEST
Tech. Officer: JSC/K HURLBERT
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1390 **TEXAS A&M UNIV** **8723**
MODELING, SIMULATION & TESTING OF COMMERCIAL AVAILBLE DC/ DC CONVERTERS SUITABLE
12/10/2001 - 07/31/2002 FY02: $0 Total: $0
Prin. Invest.: P ENJETI
Tech. Officer: JSC/R GARCIA, JSC/S HOSSAIN
CASE Category: 45 – ELECTRICAL ENGR

NAG 9 1396 **TEXAS A&M UNIV** **8724**
FLT TESTS OF AN UNMANNED POWERED PARACHUTE
03/01/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: D T WARD, J VALASEK, D W LUND
Tech. Officer: JSC/A L STRAHAN, JSC/C J CERIMELE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1442 **TEXAS A&M UNIV** **8725**
VIRTUAL VIDEO FOR REMORE COCKPIT VAN
07/26/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: A P BANERJEE
Tech. Officer: JSC/F J DELGADO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 304 **TEXAS A&M UNIV** **8726**
SCOPING DESIGN FOR ZERO GRAVITY ULLAGE TESTING SCOPING DESIGN FOR ZERO GRAVITY ULLAGE TESTING
08/08/2001 - 12/31/2001 FY02: $0 Total: $22,500
Prin. Invest.: F R BEST
Tech. Officer: KSC/T R REINARTS
CASE Category: 46 – MECHANICAL ENGR

NAG10 328 **TEXAS A&M UNIV** **8727**
ZERO GRAVITY ULLAGE TESTING #02-174 ZERO GRAVITY ULLAGE TESTING #02-174
09/24/2002 - 09/12/2003 FY02: $0 Total: $0
Prin. Invest.: D BEST
Tech. Officer: KSC/M GUISBERT
CASE Category: 46 – MECHANICAL ENGR

NAS 5 32593 **TEXAS A&M UNIV** **8728**
STUDY ENTITLED MIMR SCIENCE TEAM MEMBERSHIP
12/15/1993 - 12/31/2002 FY02: $0 Total: $1,277,013
Prin. Invest.: T T WILHEIT
Tech. Officer: GSFC/P HWONG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 9 00100 **TEXAS A&M UNIV** **8729**
OPERATION & MANAGEMENT OF RTTC
12/22/2000 - 12/31/2002 FY02: $0 Total: $900,000
Prin. Invest.: G SERA, B CORNWELL, B NAUKE
Tech. Officer: GRC/K W LASSMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 9 02063 **TEXAS A&M UNIV** **8730**
LOW SPEED TUNNEL TESTING FOR AERODYNAMICS TECHNOLO GY STUDIES
07/21/2002 - 06/22/2005 FY02: $0 Total: $0
Prin. Invest.: G L MARTINEZ
Tech. Officer: JSC/D L EICHBLATT
CASE Category: 41 – AERONAUTICAL ENGNR

NAS 9 97002 **TEXAS A&M UNIV** **8731**
TEXAS A & M LOW-SPEED WIND TUNNEL (LSWT) TESTING
04/02/1997 - 04/02/2001 FY02: $0 Total: $204,145
Prin. Invest.: J L MARTINEZ
Tech. Officer: JSC/S G LABBE, JSC/C J CERIMELE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 386 **TEXAS A&M UNIV** **8732**
MICRO SPACECRAFT ATTITUDE SENSOR SYSTEM (MSAS) NASA HQS CETDP COMPETITION
03/13/2000 - 04/04/2002 FY02: $0 Total: $360,000
Prin. Invest.: J L JUNKINS
Tech. Officer: LARC/L G HORTA
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 1 02038 **TEXAS A&M UNIV** **8733**
UNIV RESEARCH, ENGINEERING AND TECHNOLOGY IN STITUTE (URETI), INTELLIGENT BIO-NANO MATERIALS
08/19/2002 - 08/18/2007 FY02: $0 Total: $0
Prin. Invest.: D C LAGOUDAS
Tech. Officer: LARC/T R SUTTER
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1166 **TEXAS A&M UNIV** **8734**
ARTERIAL REMODELING AND FUNCTIONAL ADAPTATIONS INDUCED BY MICROGRAVITY
03/22/2000 - 03/14/2003 FY02: $0 Total: $706,193
Prin. Invest.: M D DELP
Tech. Officer: ARC/M F VASQUES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 3 516 **TEXAS A&M UNIV** **8735**
THE CENTER FOR SPACE POWER
11/26/1996 - 11/03/2002 FY02: $0 Total: $3,727,501
Prin. Invest.: F R BEST
Tech. Officer: GRC/J E CALOGERAS, GRC/R L SOVIE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 602 **TEXAS A&M UNIV** **8736**
THERMAL CONTROL AND ENHANCEMENT OF HEAT TRANSPORT CAPACITY OF CRYOGENICS CAPILLARY PUMPED LOOPS AND
03/20/1998 - 08/31/2002 FY02: $0 Total: $257,963
Prin. Invest.: J SEYED-YAGOOBI, J M OCHTERBECK, J 3 BYRAN
Tech. Officer: GRC/F P CHIARAMONTE
CASE Category: 46 – MECHANICAL ENGR

NCC 3 762 **TEXAS A&M UNIV** **8737**
SMART STRUCTURAL COMPONENTS FOR INCREASED FLIGHT S PEED, SAFETY & CAPACITY USING MAGNETIC BEARINGS A
01/18/2000 - 01/31/2002 FY02: $0 Total: $213,464
Prin. Invest.: B D PALAZZOLO
Tech. Officer: GRC/G T MONTAGUE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 793 **TEXAS A&M UNIV** **8738**
EXPERIMENTAL STUDY OF THE EFFECTS OF WAKES ON SEPA RATION IN LOW PRESSURE TURBINE FLOW
04/20/2000 - 12/31/2002 FY02: $0 Total: $131,735
Prin. Invest.: I SCHOBEIRI
Tech. Officer: GRC/D ASHPIS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 3 836 **TEXAS A&M UNIV** **8739**
LOW POWER LOSS, FAIL SAFE MAGNETIC SUSPENSIONS FOR ENERGY STORAGE AND ATTITUDE CONTROL FLYWHEELS
01/04/2001 - 01/01/2004 FY02: $0 Total: $337,470
Prin. Invest.: D PALAZZOLO
Tech. Officer: GRC/K P MCLALLIN
CASE Category: 46 – MECHANICAL ENGR

NCC 3 928 **TEXAS A&M UNIV** **8740**
SMART STRUCTURAL COMPONENTS AND SIMULATION TOOLS F OR INCREASED ENGINE EFFICIENCY, FLIGHT RANGE AND
12/19/2001 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: D PALAZZOLO
Tech. Officer: GRC/A J PROVENZA
CASE Category: 49 – ENGINEERING, OTHER

NCC 3 933 **TEXAS A&M UNIV** **8741**
MULTIAXIAL CONTINUUM DAMAGE MODEL FOR LIFE PREDICT ION OF POLYMER MATRIX COMPOSITES AT ULTRA HIGH TE
01/02/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: R TAIREJA
Tech. Officer: GRC/R ELLIS
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 4 152 **TEXAS A&M UNIV** **8742**
CONTINUOUS COMMISSIONING PROPOSAL CONTINUOUS COMMISSIONING PROPOSAL
06/18/2001 - 05/31/2002 FY02: $0 Total: $70,000
Prin. Invest.: W TURNER
Tech. Officer: DFRC/J TORRES
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 359 **TEXAS A&M UNIV** **8743**
MISSION GEOGRAPHY
08/24/1998 - 07/31/2003 FY02: $0 Total: $900,542
Prin. Invest.: S BEDNARZ
Tech. Officer: HQ/P MOUNTJPOY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 448 **TEXAS A&M UNIV** **8744**
VISION-BASED NAVIGATION FOR SPACECRAFT FORMATION FLYING
12/21/1999 - 08/31/2002 FY02: $0 Total: $353,730
Prin. Invest.: D L JUNKINS
Tech. Officer: GSFC/L MARKLEY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 456 **TEXAS A&M UNIV** **8745**
UNSOLICITED PROPOSAL FOR A COOPERATIVE AGREEMENT BETWEEN THE TEXAS ENGINEERING EXPERIMENT STATION
03/03/2000 - 02/28/2002 FY02: $0 Total: $1,045,000
Prin. Invest.: F R BEST
Tech. Officer: GSFC/J LANDERS
CASE Category: 11 – ASTRONOMY

NCC 5 517 **TEXAS A&M UNIV** **8746**
BUILDING AN INTERDISCIPLINARY RESEARCH INFRASTRUCT URE IN APPLIED COMPUTER SCIENCE, GEOGRAPHIC INFOR
09/25/2000 - 09/30/2001 FY02: $0 Total: $486,604
Prin. Invest.: C STEIDLEY
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 8 169 **TEXAS A&M UNIV** **8747**
R/S INVESTIGATION OF NEURONAL PHYSIOLOGY IN SIMULATED MICROGRAVITY USING SMART FLUORESCENT ...
03/12/1999 - 11/30/2002 FY02: $0 Total: $371,000
Prin. Invest.: G COTE
Tech. Officer: JSC/M ANDERSON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 8 226 **TEXAS A&M UNIV** **8748**
PROMOTE COMMERCIALLY FUNDED ENGINEERING RESEARCH & TECHNOLOGY DEVELOPMENT ON THE INT'L SPACE STATION
05/01/2001 - 10/31/2002 FY02: $0 Total: $716,000
Prin. Invest.: D BOYLE
Tech. Officer: MSFC/S LAMBING
CASE Category: 49 – ENGINEERING, OTHER

NCC 8 236 **TEXAS A&M UNIV** **8749**
PROMOTE COMMERCIALLY FUNDED RESCH & TECH DEVEL IN THE FIELD OF SPACE POWER GEN AND ENERGY STORAGE
11/01/2001 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: W F BEST
Tech. Officer: MSFC/S LAMBING
CASE Category: 49 – ENGINEERING, OTHER

NCC 9 69 **TEXAS A&M UNIV** **8750**
NASA COMMERCIAL SPACE TO ADBOCATE & SUPPORT COMMERCIAL ENGINEERING ON ISS
05/07/1998 - 05/06/2001 FY02: $0 Total: $2,132,789
Prin. Invest.: D R BOYLE, M SCHULLER, F R BEST
Tech. Officer: JSC/C G PARRA, JSC/R C HAHL
CASE Category: 49 – ENGINEERING, OTHER

NCC 9 146 **TEXAS A&M UNIV** **8751**
WEB DEVELOPMENT & ONLINE DELIVERY OF MIDDLE SCHOOL AERO-SPACE SCHOLARS PROGRAM
11/30/2001 - 11/30/2002 FY02: $0 Total: $0
Prin. Invest.: J DENTON
Tech. Officer: JSC/A SANCHEZ
CASE Category: 22 – COMPUTER SCIENCE

NCC 9 150 **TEXAS A&M UNIV** **8752**
SUPPORT FOR THE MINORITY OUTREACH PROGRAM TEXAS A&M SPACE ENGINNERING INST
07/03/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: D BOYLE
Tech. Officer: JSC/H W LANE
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 4 52432 **TEXAS A&M UNIV** **8753**
GRADUATE STUDENT RESEARCHERS PROGRAM - FAULT TOLER ANT CONTROL OF AN F-15 AIRCRAFT
06/11/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: D SMITH
Tech. Officer: DFRC/K GUPTA
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 30211 **TEXAS A&M UNIV** **8754**
HYDROLOGIC CONSEQUENCES OF SHRUB SAVANNA EXPANSION STU-DENT: WYLIE N. HARRIS
08/20/1999 - 08/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: T BOUTTON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30408 **TEXAS A&M UNIV** **8755**
EVALUATION OF SHRUB ENCROACHMENT ON WATER AVAILABI LITY IN SEMI-ARID RANGELAND OF THE SOUTHWESTE
08/15/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: C MUNSTER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30417 **TEXAS A&M UNIV** **8756**
UNDERSTANDING AND ASSESSING POTENTIAL PREDICTABILI TY OF THE SACZ & SPCZ USING NASA/NSIPP ANDNCAR/C
09/06/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: P CHANG
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30467 **TEXAS A&M UNIV** **8757**
SIMULATING SURFACE WATER RUNOFF AND ASSESSING IMPA CTS OF NATURAL AND HUMAN-INDUCED ENVIRONMENTAL
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: L HONGXING
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50417 **TEXAS A&M UNIV** **8758**
A COMPARISON OF TROPICAL PRECIPITAION RATES SIMULA TED BY THE NCAR_CCMS WITH THOSE OBSERVED BY THE
08/12/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: G R NORTH
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52913 **TEXAS A&M UNIV** **8759**
CLARIFYING AND MITIGATING THE EFFECTS OF STRESS ON MENTAL SIMULATION IN DECISION MAKING
05/29/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: S SMITH
Tech. Officer: MSFC/S NASH-STEVEN
CASE Category: 69 – PSYCHOLOGY, OTHER

NGT 9 34 **TEXAS A&M UNIV** **8760**
KINETICS OF NITRIFICATION BY ISO TOPE DILUTION IN GROWTH OF WHEAT USING ZEOPONICS
06/04/1998 - 07/01/2001 FY02: $0 Total: $66,000
Prin. Invest.: R W WEAVER
Tech. Officer: JSC/D G SICKOREZ
CASE Category: 55 – AGRICULTURE

NGT 9 39 **TEXAS A&M UNIV** **8761**
1999 SUMMER FACULTY FELLOWSHIP PROGRAM
04/21/1999 - 12/31/2000 FY02: $0 Total: $385,000
Prin. Invest.: W A HYMAN, R BANNEROT
Tech. Officer: JSC/D SICKOREZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 54 **TEXAS A&M UNIV** **8762**
2001 SUMMER FACULTY FELLOWSHIP PROGRAM
06/29/2001 - 12/31/2002 FY02: $0 Total: $359,417
Prin. Invest.: W A HYMAN
Tech. Officer: JSC/D SICKOREZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT10 52628 **TEXAS A&M UNIV** **8763**
BIOTIC FACTORS CONTROLLING CALICIVIOUS ATTACHMENT AND PERSIS-TENCE ON ROMAINE AND ICEBERG LETTUCE
08/14/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: D PILLAI
Tech. Officer: KSC/C BLACK
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 9196 **TEXAS A&M UNIV-CORPUS CHRISTI** **8764**
THE TRANSLINGUAL EARTH SYSTEM SCIENCE EDUCATION CENTER
03/10/2000 - 09/14/2001 FY02: $0 Total: $154,580
Prin. Invest.: G BLOUNT
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1401 **TEXAS A&M UNIV-CORPUS CHRISTI** **8765**
"FINDING NEAR OPTIMAL SCHEDULES FOR FUNCTIONALLY D ISTRIBUTED TASKS ON CLUSTER& MULTIPROCESSOR ARCH
03/05/2002 - 03/04/2005 FY02: $0 Total: $0
Prin. Invest.: M MOORE
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 5 7159 **TEXAS A&M UNIV-KINGSVILLE** **8766**
SIMULATION SUPPORT FOR THE DEVELOPMENT OF GLAST
03/16/1998 - 08/31/2001 FY02: $0 Total: $104,000
Prin. Invest.: D SUSON
Tech. Officer: GSFC/D THOMPSON
CASE Category: 13 – PHYSICS

NAG 8 1650 TEXAS A&M UNIV-KINGSVILLE 8767
EXPANDABLE SOFTWARE REUSE LIBRARY
01/20/2000 - 05/31/2002 FY02: $0 Total: $29,291
Prin. Invest.: B SCHREUR
Tech. Officer: MSFC/W LOVE
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 1093 TEXAS A&M UNIV-KINGSVILLE 8768
DESIGN OF LOW BIT RATE SIGNAL COMPRESSOR FOR EFFICIENT RECORDING
04/26/1999 - 04/30/2003 FY02: $0 Total: $263,313
Prin. Invest.: S W PARK
Tech. Officer: JSC/K L HAMES
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 7040 TEXAS CHRISTIAN UNIV 8769
CRITICAL TESTS OF STELLAR EVOLUTION_(LTSA)
03/02/1998 - 02/28/2003 FY02: $0 Total: $33,800
Prin. Invest.: P MARCUM
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 11002 TEXAS COLL 8770
TEXAS COLL CENTER FOR EXCELLENCE IN MATHEMATICS SCIENCE & TECHNOLOGY & A TECHNOLOGY PLACE FOR KID
06/01/2001 - 05/31/2002 FY02: $0 Total: $998,000
Prin. Invest.: M NAMBOODIRI
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1416 TEXAS COLL 8771
PRE-COLL PLACEMENT FOR ACHIEVEMENT OF EXCELLEN CE IN MATH, SCIENCE, ENGINEERING TECHNOLOGY
09/30/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: W STENGER
Tech. Officer: JSC/L M ARMENDEZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12599 TEXAS SOUTHERN UNIV 8772
NASA CENTER ON MODEL-BASED SIMULATION - STRUCTURAL AND MATERIALS SYSTEMS
09/25/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: D C DAVIS
Tech. Officer: GSFC/C PERSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1132 TEXAS SOUTHERN UNIV 8773
FIELD TESTING
07/16/1999 - 03/31/2002 FY02: $0 Total: $43,000
Prin. Invest.: D C DAVIS
Tech. Officer: JSC/M K EWERT
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1194 TEXAS SOUTHERN UNIV 8774
MOLD DEVELOPMENT IN HYDROPONICS
04/25/2000 - 04/24/2003 FY02: $0 Total: $132,000
Prin. Invest.: O A JEJELOWO
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 55 – AGRICULTURE

NAG 9 1227 TEXAS SOUTHERN UNIV 8775
SILICON UPTAKE IN HYDROPONICS BY GRAMINACEOUS CROP PLANTS
06/22/2000 - 06/30/2003 FY02: $0 Total: $112,000
Prin. Invest.: G A JEJEDOWO
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 55 – AGRICULTURE

NAG 9 1414 TEXAS SOUTHERN UNIV 8776
STUDIES IN VIVO MODEL OF SIMULATED MICROGRAVITY O CALCIUM HOMEOSTASIS
09/11/2002 - 09/10/2005 FY02: $0 Total: $0
Prin. Invest.: G RAMESH
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NCC 9 80 TEXAS SOUTHERN UNIV 8777
HIGH PRESSURE LABORATORY
12/02/1998 - 07/31/2002 FY02: $0 Total: $899,675
Prin. Invest.: B L WILSON
Tech. Officer: JSC/C B AGEE
CASE Category: 12 – CHEMISTRY

NAG 1 2192 TEXAS TECH UNIV 8778
THE HEAVY OZONE PROBLEM NRA-98-OES-04
09/28/1999 - 12/31/2002 FY02: $0 Total: $101,235
Prin. Invest.: G I GELLENE
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1560 TEXAS TECH UNIV 8779
ACTION THEORIES AND DESIGN OF INTELLIGENT SYSTEMS
05/17/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: R WATSON
Tech. Officer: ARC/J FRANK, ARC/R MORRIS
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2005 TEXAS TECH UNIV 8780
ARCJET ELECTRODE DEGRDATION RESEARCH
01/24/1997 - 08/31/2001 FY02: $0 Total: $690,930
Prin. Invest.: E A O'HAIR, M KRISTIANSEN, J C DICKENS
Tech. Officer: GRC/L R PINERO
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 5156 TEXAS TECH UNIV 8781
OPTIMIZATION STUDIES FOR ACCESS CALORIMETRY INCREMENTAL FUNDING FOR FIRST YEAR OF GRANT
03/26/1998 - 06/30/2002 FY02: $0 Total: $251,762
Prin. Invest.: R WIGMANS
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 5 9505 TEXAS TECH UNIV 8782
DEVELOPMENT OF A PARALLEL VERSION OF SEQUENCEL WITH EXPERIMENTS ON & APPLICATION TO NEURAL NETWOR
04/26/2000 - 08/31/2001 FY02: $0 Total: $90,000
Prin. Invest.: D COOKE
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 962 **TEXAS TECH UNIV** **8783**
ON-CHIP BACKSCATTERING INTERFEROMETRY FOR SPACE BA SED BIO-SENSING AND DIAGNOSTICS
05/02/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: D BORNHOP
Tech. Officer: GRC/C NIEDERHAUS
CASE Category: 49 – ENGINEERING, OTHER

NCC 9 108 **TEXAS TECH UNIV** **8784**
PLANT RESEARCH IN EDU & WATER REUSE/RECYCLING
07/07/2000 - 09/30/2001 FY02: $0 Total: $915,000
Prin. Invest.: J L SMITH, L V URBAN, E B PEFFLEY
Tech. Officer: JSC/D L HENNINGER, JSC/K R DAUES
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 9 143 **TEXAS TECH UNIV** **8785**
PLANT RESEARCH IN EDU, WATER REUSE/RECYCLING
09/28/2001 - 09/30/2002 FY02: $0 Total: $1,497,000
Prin. Invest.: J L SMITH
Tech. Officer: JSC/D L HENNINGER
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1278 **TRINITY UNIV** **8786**
KALMAN FILER BASED SENSOR FUSION FOR ESTIMATION OF MOBILE ROBOT LOCATION AND ORIENTATION
01/12/2001 - 12/31/2002 FY02: $0 Total: $15,400
Prin. Invest.: K NICKELS
Tech. Officer: JSC/K BAKER
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2697 **UNIV HOUSTON-HOUSTON** **8787**
FUNDAMENTAL STUDIES ON TWO-PHASE FLOWS THROUGH PAC KED-BEDS IN MICROGRAVITY
01/28/2002 - 10/31/2005 FY02: $0 Total: $0
Prin. Invest.: D BALAKOTAIAH
Tech. Officer: GRC/B J MOTIL
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 4765 **UNIV HOUSTON-HOUSTON** **8788**
LL CHODRITES
06/06/1997 - 05/31/2001 FY02: $0 Total: $71,674
Prin. Invest.: D M REID
Tech. Officer: GSFC/D NAVA
CASE Category: 11 – ASTRONOMY

NAG 5 7840 **UNIV HOUSTON-HOUSTON** **8789**
WINDS, WATER BUDGETS, AND STABLE ISOTOPES IN TROPI CAL CY-CLONES USING TRMM AND QUICKSCAT
01/06/1999 - 12/31/2002 FY02: $0 Total: $148,877
Prin. Invest.: J R LAWRENCE
Tech. Officer: GSFC/R W LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8140 **UNIV HOUSTON-HOUSTON** **8790**
THE ORIGINS OF TRANSLATION
02/03/1999 - 06/30/2002 FY02: $0 Total: $235,360
Prin. Invest.: D FOX
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 10714 **UNIV HOUSTON-HOUSTON** **8791**
ADVANCED ADIABATIC DEMAGNETIZATION REFRIGERATORS FOR CON-TINUOUS COOLING FROM 10K TO 50MK
04/12/2001 - 05/31/2003 FY02: $0 Total: $15,000
Prin. Invest.: P W CHU
Tech. Officer: GSFC/P J SHIRRON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1363 **UNIV HOUSTON-HOUSTON** **8792**
"EPITAXIAL GROWTH OF PROTEIN CRYSTALS ON SELF- ASSEMBLED MONOLAYERS"
06/02/1997 - 11/30/2001 FY02: $0 Total: $419,000
Prin. Invest.: J M FRIEDMAN
Tech. Officer: MSFC/B GUYNES, MSFC/J MAYO
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1658 **UNIV HOUSTON-HOUSTON** **8793**
DEVELOPMENT OF SPACE RADIATION MONTE-CARLO COMPUT-ER SIMU-LATION BASED ON FLUKA & ROOT CODE
05/01/2000 - 11/30/2002 FY02: $0 Total: $184,000
Prin. Invest.: L S PINSKY
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1857 **UNIV HOUSTON-HOUSTON** **8794**
EFFECTS ON VONVECTIVE TRANSPORT OF SOLUTE IMPURTIES
01/29/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: P VEKILOV
Tech. Officer: MSFC/K F ROBINSON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 867 **UNIV HOUSTON-HOUSTON** **8795**
NASA-ASEE SUMMER FACULTY FELLOWSHIPS
05/09/1996 - 06/06/2002 FY02: $0 Total: $1,213,000
Prin. Invest.: R B BANNEROT
Tech. Officer: JSC/D SICKOREZ
CASE Category: 46 – MECHANICAL ENGR

NAG 9 985 **UNIV HOUSTON-HOUSTON** **8796**
INVESTIGATE & DEVLOP ADVANCED TRAINING TECHN
01/16/1998 - 08/31/2002 FY02: $0 Total: $1,123,078
Prin. Invest.: B LOFTIN
Tech. Officer: JSC/R SAVELY
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 1012 **UNIV HOUSTON-HOUSTON** **8797**
TWO PHASE SYSTEMS FOR MARS-G
05/20/1998 - 06/30/2001 FY02: $0 Total: $70,411
Prin. Invest.: L C WHITTE
Tech. Officer: JSC/J D CORNWELL
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1055 **UNIV HOUSTON-HOUSTON** **8798**
URBAN EXPERIENCE PROGRAM
09/22/1998 - 08/30/2002 FY02: $0 Total: $105,000
Prin. Invest.: T MINDIOLA, JR.
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1103 **UNIV HOUSTON-HOUSTON** **8799**
THE SEARCH FOR MICROBIAL BIOMARKERS IN TERRESTRIAL DEPOSITS
05/04/1999 - 03/09/2004 FY02: $0 Total: $60,000
Prin. Invest.: H S CHAFETZ
Tech. Officer: JSC/E K GIBSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 9 1152 **UNIV HOUSTON-HOUSTON** **8800**
THERAPEUTIC EFFICACY OF GROWTH HORMONE
09/20/1999 - 11/08/2002 FY02: $0 Total: $384,418
Prin. Invest.: D A MARTINEZ
Tech. Officer: JSC/C W LLOYD
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1223 **UNIV HOUSTON-HOUSTON** **8801**
TEXAS LEARNING AND COMPUTATIONAL CENTER
10/23/2000 - 08/16/2002 FY02: $0 Total: $3,661,000
Prin. Invest.: G VALIAS, B BOYCO
Tech. Officer: JSC/R P KEHOE, JSC/S P CAMPBELL
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 1287 **UNIV HOUSTON-HOUSTON** **8802**
ADVANCED CROSS ENTERPRISE TECHNOLOGY DEVELOPMENT F OR NASA MISSIONS
03/27/2001 - 03/31/2003 FY02: $0 Total: $382,000
Prin. Invest.: A IGNATIEV
Tech. Officer: JSC/R S BAIRD
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1293 **UNIV HOUSTON-HOUSTON** **8803**
DEVELOPMENT OF REDUCED SURFACE WAVE ANTENNAS FOR THE NASA/JSC NAVIGATION
04/16/2001 - 04/30/2004 FY02: $0 Total: $39,394
Prin. Invest.: J T WILLIAMS
Tech. Officer: JSC/J W BELL
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1305 **UNIV HOUSTON-HOUSTON** **8804**
GRADUATE STUDENT RESERACH PROGRAM CARBON NANOTUBE POLY-MER NANOCOMPOSITES
06/14/2001 - 07/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: C A MITCHELL
Tech. Officer: JSC/B FILES
CASE Category: 43 – CHEMICAL ENGR

NAG 9 1347 **UNIV HOUSTON-HOUSTON** **8805**
NOVEL TISSUE ASSEMBLIES: MODELS FOR ENTERIC PATHOGENESIS
07/07/2001 - 07/31/2002 FY02: $0 Total: $25,894
Prin. Invest.: L S PINSKY
Tech. Officer: JSC/G BADHWAR
CASE Category: 13 – PHYSICS

NAG 9 1363 **UNIV HOUSTON-HOUSTON** **8806**
URBAN EXPERIENCE PROGRAM
07/10/2001 - 07/11/2004 FY02: $0 Total: $25,000
Prin. Invest.: T MINDIOLA
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1410 **UNIV HOUSTON-HOUSTON** **8807**
URBAN EXPERIENCE PROGRAM
08/15/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: T MINDIOLA
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1421 **UNIV HOUSTON-HOUSTON** **8808**
MARS RADIATION CHARACTERIZATION EXPERIMENTAL PROG
05/01/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: L C WHITE, D K HOLLINGSWORTH
Tech. Officer: JSC/K M HURBERT
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1422 **UNIV HOUSTON-HOUSTON** **8809**
EDUCATIONAL GRANT FOR NASA ASEE SUMMER FACULTY FEL LOWSHIPS
05/14/2002 - 05/13/2004 FY02: $0 Total: $0
Prin. Invest.: R B BANNEROT
Tech. Officer: JSC/D G SICHAREZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1429 **UNIV HOUSTON-HOUSTON** **8810**
ANALYSIS OF DAT FROM MARS ODYSSEY MARIE EXPERIMENT
06/19/2002 - 05/31/2004 FY02: $0 Total: $0
Prin. Invest.: L PINSKY
Tech. Officer: JSC/G JOHNSON
CASE Category: 11 – ASTRONOMY

NAG 9 1453 **UNIV HOUSTON-HOUSTON** **8811**
STABILITY OF PHARMACEUTICAL FOR SPACE IN-FLIGHT TR EATMENT
08/19/2002 - 08/31/2004 FY02: $0 Total: $0
Prin. Invest.: D CHOW
Tech. Officer: JSC/L PUTCHA
CASE Category: 56 – MEDICL

NCC 2 5394 **UNIV HOUSTON-HOUSTON** **8812**
THE SCALABILITY OF OPENMP ON LARGE-SCALE DISTRIBUT ED SHARED-MEMORY ARCHITECTURES SUCH AS THESGI OR
08/14/2000 - 04/30/2002 FY02: $0 Total: $95,000
Prin. Invest.: B CHAPMAN
Tech. Officer: ARC/J YAN
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5396 **UNIV HOUSTON-HOUSTON** **8813**
MINERALS & SUBMICROMETER FORMS AS BIOSIGNATURES
08/28/2000 - 08/31/2002 FY02: $0 Total: $30,000
Prin. Invest.: A D HAYMET
Tech. Officer: ARC/D F BLAKE
CASE Category: 12 – CHEMISTRY

NCC 8 127 **UNIV HOUSTON-HOUSTON** **8814**
FOR RESEARCH "CONTINUATION OF SUPPORT FOR THE COMMERCIAL SPACE CENTER, SPACE VACUUM EPITAXY CTR
01/21/1997 - 10/14/2001 FY02: $0 Total: $7,500,000
Prin. Invest.: A IGNATIEV, S S PEI
Tech. Officer: MSFC/S J LAMBING
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 8 239 **UNIV HOUSTON-HOUSTON** **8815**
PROMOTE COMMERCIALY FUNDED RESEARCH AND TECHNOLOGY DEVEL-OPMENT IN THE FIELD OF SPACE VACUUM EPITAXY
01/16/2002 - 10/14/2002 FY02: $0 Total: $0
Prin. Invest.: A IGNATIEV
Tech. Officer: MSFC/S LAMBING
CASE Category: 49 – ENGINEERING, OTHER

NCC 9 70 **UNIV HOUSTON-HOUSTON** **8816**
UH NASA TECHNOLOGY COMMERCIALIZATION
03/24/1998 - 05/31/2002 FY02: $0 Total: $1,200,000
Prin. Invest.: A V VAILLAS
Tech. Officer: JSC/H L DAVIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 151 UNIV HOUSTON-HOUSTON 8817
USE OF NEAR-INFRARED SPECTROSCOPY AS NON-INVASIVE MEASURE OF MUSCLE VASCULAR FUNCTION
05/29/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: J DAVIS
Tech. Officer: JSC/D FEEBACK
CASE Category: 56 – MEDICL

NGT 3 52356 UNIV HOUSTON-HOUSTON 8818
GRADUATE STUDENT RESEARCH PROGRAM GRADUATE STUDENT RESEARCH PROGRAM
07/01/1999 - 08/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: V BALAKOTAIAH
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50182 UNIV HOUSTON-HOUSTON 8819
PRIMORDIAL PEPTIDE SYNTHESIS IN THE ORIGIN OF LIFE
05/27/1998 - 06/30/2001 FY02: $0 Total: $66,000
Prin. Invest.: G E FOX
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 12 – CHEMISTRY

NAG 9 1155 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8820
NUTRUTIONAL INTERVENTION TO IMPROVE MUSCLE PROTEIN METABOLISM DURING STRESS
09/16/1999 - 11/30/2002 FY02: $0 Total: $386,092
Prin. Invest.: A A FERRANDO
Tech. Officer: JSC/C LLOYD
CASE Category: 56 – MEDICL

NAS 2 02059 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8821
FUNDAMENTAL TECHNOLOGIES FOR DEVELOPMENT OF BIOMOL ECULAR SENSORS
12/20/2001 - 12/20/2002 FY02: $0 Total: $0
Prin. Invest.: J F LEARY
Tech. Officer: ARC/J W HINES, ARC/P P FUNG
CASE Category: 56 – MEDICL

NAS 9 01006 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8822
ISS FLIGHT EXPERIMENT E129
01/23/2001 - 12/31/2004 FY02: $100,000 Total: $326,059
Prin. Invest.: A D BARRET
Tech. Officer: JSC/M ANDERSON
CASE Category: 56 – MEDICL

NAS 9 97147 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8823
PROTEIN TURNOVER DURING SPACE FLIGHT
02/24/1997 - 06/30/2004 FY02: $0 Total: $618,000
Prin. Invest.: A FERRANDO
Tech. Officer: JSC/A LEE
CASE Category: 56 – MEDICL

NAS 9 98138 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8824
SMALL PAYLOAD EXPERIMENT
10/28/1998 - 05/31/2003 FY02: $0 Total: $299,356
Prin. Invest.: M MCGINNIS
Tech. Officer: JSC/C HAVEN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 1160 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8825
STREPTOCOCCUS PNEUMONIAE GENE EXPRESSION AND VIRUL ENCE POTENTIAL IN THE SPACE ENVIRONMENT
02/11/2000 - 03/14/2003 FY02: $0 Total: $237,517
Prin. Invest.: D NIESSEL
Tech. Officer: ARC/C M WINGET, ARC/D REISS-BUBENHEIM
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 8 170 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8826
R/S DIFFERENTIATION OF 3 DIMENSIONAL CO-CULTURES OF MYOFIBROBLASTS, PRENEOPLASTIC
03/23/1999 - 12/30/2002 FY02: $0 Total: $440,800
Prin. Invest.: V CHOPPA
Tech. Officer: MSFC/V CHOPPA
CASE Category: 56 – MEDICL

NCC 9 81 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8827
UTMB/NASA-JSC GRADUATE MED TRAINING IN AEROSPACE MEDICINE
12/07/1998 - 09/30/2003 FY02: $0 Total: $687,534
Prin. Invest.: J R DAVIS
Tech. Officer: JSC/R BILLICA
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 9 123 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8828
SPATIAL REORIENTATION OF SENSORIMOTOR BALANCE CONTROL IN ALTERED GRAVITY
02/22/2001 - 11/30/2003 FY02: $0 Total: $7,450
Prin. Invest.: G KAUFMAN
Tech. Officer: JSC/B PALOSKI
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 9 47 UNIV OF TEXAS MEDICAL BRANCH - GALVESTON 8829
TRAINING PROGRAM FOR TWO STUDENTS GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
04/12/2000 - 05/31/2003 FY02: $0 Total: $100,000
Prin. Invest.: C W COOPER
Tech. Officer: JSC/C W LLOYD
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1824 UNIV OF TEXAS-GRAD SCHOOL OF BIOMED SCI. 8830
PHYSICO-CHEMICAL TOOLS FOR RATIONAL OPTIMATIZATION OF GROWTH CONDITIONS OF BIOLOGICAL CRYSTALS
10/04/2001 - 11/30/2004 FY02: $94,000 Total: $94,000
Prin. Invest.: P G VEKILOV
Tech. Officer: MSFC/B GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1206 UNIV OF TEXAS-HLTH SCI CTR-SAN ANTONIO 8831
USE OF NASA BIOREACTOR TO STUDY CELL CYCLE REGULATION
03/01/2000 - 02/28/2002 FY02: $0 Total: $337,785
Prin. Invest.: J M JESSUP
Tech. Officer: JSC/S GONDA
CASE Category: 56 – MEDICL

NAG10 180 UNIV OF TEXAS-HLTH SCI CTR-SAN ANTONIO 8832
FUNCT DEV IN A MODEL VESTIBULAS SYS
01/18/1996 - 09/30/2002 FY02: $0 Total: $703,425
Prin. Invest.: M L WIEDERHOLD
Tech. Officer: KSC/W M KNOTT
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 11928 UNIV OF TEXAS-PAN AMERICAN 8833
NASA BORDER INITIATIVE
04/04/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: H MEDRANO
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12549 UNIV OF TEXAS-PAN AMERICAN 8834
NASA BORDER INITIATIVE: A PARTNERSHIP FOR ENRICHIN G EDUCATION FOR AT- RISK STUDENTS (PEERS)
09/05/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: H MEDRADO
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1634 UNIV OF TEXAS-PAN AMERICAN 8835
OPTIMAL DESIGN OF HYBRID PASSIVE VISCOELASTIC AND ACTIVE PIEZO-ELECTRIC DAMPING LAYERS
09/30/1999 - 08/31/2003 FY02: $0 Total: $196,469
Prin. Invest.: A LUMSDAINE
Tech. Officer: MSFC/A BEAM, MSFC/W LOVE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1169 UNIV OF TEXAS-PAN AMERICAN 8836
PAARTNERSHIP FOR SCIENCE AND ENGR STUDENT SUCCESS
09/27/1999 - 09/30/2002 FY02: $0 Total: $195,825
Prin. Invest.: R FOWLER, J LANAGABEER
Tech. Officer: JSC/S GONZALEZ, JSC/L ARMENDARIZ
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 2 962 UNIV OF TEXAS, HEALTH SCI CTR-DALLAS 8837
SPACE FLIGHT, STRESS & PLASTICITY
02/07/1995 - 12/31/2000 FY02: $0 Total: $573,376
Prin. Invest.: S T BRADY
Tech. Officer: ARC/D REISS-BUBENHEIM, ARC/W E HINDS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 4846 UNIV OF TEXAS, HEALTH SCI CTR-DALLAS 8838
THE ROLE OF CARDIAC MECHANICS IN BLOOD PRESSURE RE TATIC STRESS
06/27/1997 - 09/30/2001 FY02: $0 Total: $525,000
Prin. Invest.: B LEVINE
Tech. Officer: GSFC/V SCHNEIDER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1033 UNIV OF TEXAS, HEALTH SCI CTR-DALLAS 8839
MICROCIRCULATORY ADJUSTMENT TO SIMULATED MICROGRAVITY EXPO-SURE IN HUMANS
07/16/1998 - 07/14/2002 FY02: $0 Total: $475,700
Prin. Invest.: C G CRANDALL
Tech. Officer: JSC/C W LLOYD
CASE Category: 56 – MEDICL

NAG 2 1505 UNIV. OF TEXAS MD ANDERSON CANCER CENTER 8840
GRAVITY AND INTERGRIN MEDIATED HUMAN LYMPHOCYTE AD HESION
07/26/2001 - 07/14/2003 FY02: $95,738 Total: $215,077
Prin. Invest.: B W MCINTYRE
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1347 UNIV. OF TEXAS MD ANDERSON CANCER CENTER 8841
USE OF NASA BIOREACTORS IN A NOVEL SCHEME FOR IMMUNIZATION AGAINST CANCER
06/18/1997 - 12/31/2002 FY02: $0 Total: $457,338
Prin. Invest.: C A SAVARY
Tech. Officer: JSC/S R GONDAS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1348 UNIV. OF TEXAS MD ANDERSON CANCER CENTER 8842
APPLICATION OF BIOREACTOR TECHNOLOGY ANALYSIS AND COUNTER MEASURE DEVELOPMENT OF MICROGRAVITY
06/18/1997 - 11/30/2001 FY02: $0 Total: $404,467
Prin. Invest.: E H GRIMM
Tech. Officer: JSC/S R GONDAS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 8 1570 UNIV. OF TEXAS MD ANDERSON CANCER CENTER 8843
APPLICATION OF BIOREACTOR TECHNOLOGY FOR A PRECLINICAL HUMAN MODEL OF MELANOMA
03/19/1999 - 11/02/2002 FY02: $0 Total: $364,250
Prin. Invest.: E A GRIMM
Tech. Officer: MSFC/D RISEN
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1454 UNIV. OF TEXAS MD ANDERSON CANCER CENTER 8844
EFFECT OF RADIATION ON HUMAN PERIPHERAL BLOOD DEDR ITIC CELLS
09/13/2002 - 09/16/2005 FY02: $0 Total: $0
Prin. Invest.: J REUBEN
Tech. Officer: JSC/C LLOYD
CASE Category: 56 – MEDICL

NAG 2 1261 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8845
RELATIONSHIP OF MORPHOGENESIS & MINERALIZATION TO GRAVITY IN SPACEFLOWN ALGAE
09/01/1998 - 04/30/2003 FY02: $0 Total: $236,387
Prin. Invest.: P J DUKE
Tech. Officer: ARC/O SANTOS, ARC/P D SAVAGE
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1498 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8846
CYTOPLASMIC/GOLGI INTERACTIONS IN THE NANOFABRICAT ION OF BIOMINERAL COMPOSITES - A GENETIC APPROACH
07/05/2001 - 06/30/2003 FY02: $77,693 Total: $170,381
Prin. Invest.: M E MARSH
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 4710 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8847
GRAVITY AND THE REGULATION OF A CENTRAL GROWTH FAC
06/11/1997 - 01/31/2002 FY02: $0 Total: $409,271
Prin. Invest.: E DURBAN
Tech. Officer: GSFC/M AVERNER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 8 1585 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8848
IMPACT/MICROGRAVITY ON IMMUNOGENICITY ASSOCIATED WITH BI-STRUCTURAL CHANGES/PANCRATIC ISLETS
03/19/1999 - 12/31/2002 FY02: $0 Total: $333,083
Prin. Invest.: L P RUTZKY
Tech. Officer: MSFC/B V GUYNES
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 952 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8849
EXERCISE DURING PREBREATHE: REDUCTION OF THE H-2-O PREBREATHE TIME
08/14/1997 - 02/14/2001 FY02: $0 Total: $54,000
Prin. Invest.: C FIFE
Tech. Officer: JSC/M R POWELL
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1040 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8850
EFFECTS OF CIRCADIAN RHYTHMS ON DEPRESSION OUTCOME
06/22/1998 - 03/30/2003 FY02: $0 Total: $294,519
Prin. Invest.: B BUTLER
Tech. Officer: JSC/C SAWIN
CASE Category: 56 – MEDICL

NAG 9 1144 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8851
DUST STIMULANTS ON LUNG INFLAMMATION AND ALVEOLAR MACROPHAGE FUNCTION
09/20/1999 - 09/19/2002 FY02: $0 Total: $7,006
Prin. Invest.: A HOLIAN
Tech. Officer: JSC/J T JAMES
CASE Category: 56 – MEDICL

NAG 9 1247 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8852
DEVELOP REINFORCEMENT LEARNING TECNIQUES FOR EFFIC IENT TRAINING ROBOTIC SYSTEMS
07/18/2000 - 07/19/2002 FY02: $0 Total: $60,000
Prin. Invest.: H WANG, J ZHANG, T R JOHNSON
Tech. Officer: JSC/R T SAVELY
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 1353 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8853
EFFECT OF MICROGRAVITY ON PANCREATIC ISLET XENOTRANSPLATATION,VASCULARIZATION & STEM CELL
07/27/2001 - 09/30/2004 FY02: $0 Total: $37,000
Prin. Invest.: L P RUTZKY, S M STEPKOWSKI, S M KATZ
Tech. Officer: JSC/D RISIN
CASE Category: 56 – MEDICL

NCC 2 1234 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8854
HUMAN CENTERED INTELLIGENT FLIGHT SURGEON CONSOLE
03/29/2001 - 02/28/2003 FY02: $0 Total: $98,000
Prin. Invest.: J ZHANG
Tech. Officer: ARC/P M JONES, ARC/M G SHAFTO
CASE Category: 22 – COMPUTER SCIENCE

NCC 8 168 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8855
NUTRITION IMMUNOMODULATION IN MICROGRAVITY
03/05/1999 - 11/30/2002 FY02: $0 Total: $421,650
Prin. Invest.: A D KULKARNI
Tech. Officer: JSC/S GONDAS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 9 82 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8856
EVA PREBREATHE REDUCTION PROTOCOL
03/11/1999 - 03/10/2003 FY02: $0 Total: $275,000
Prin. Invest.: B BUTLER
Tech. Officer: JSC/M GERNHARDT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 90 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8857
GAS PHASE FORMATION, GROWTH AND EFFECTS OF SURFACE TENSION
02/23/2000 - 01/31/2003 FY02: $0 Total: $55,162
Prin. Invest.: B D BUTLER
Tech. Officer: JSC/M R POWELL
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 9 103 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8858
CHARACTERIZATION OF AUTONOMIC FUNCTION
02/25/2000 - 02/20/2003 FY02: $0 Total: $14,834
Prin. Invest.: R F LODATO
Tech. Officer: JSC/J MECK
CASE Category: 59 – LIFE SCIENCE, OTHER

NGT 9 46 UNIV. OF TEXAS-HLTH SCIENCE CTR-HOUSTON 8859
TRAINING PROGRAM FOR TWO STUDENTS AT THE GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
04/07/2000 - 05/31/2003 FY02: $0 Total: $100,000
Prin. Invest.: J WEINDER
Tech. Officer: JSC/C W LLOYD
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 9 1083 UNIV OF HOUSTON - CLEAR LAKE 8860
COX REGRESSION MODLELING AND ANALYSIS OF NASA/JSC EXPERIMENTAL DATA ON DECOMPRESSION SICKNESS
02/20/1999 - 09/30/2001 FY02: $0 Total: $30,000
Prin. Invest.: R S CHHIKARA
Tech. Officer: JSC/M POWELL
CASE Category: 59 – LIFE SCIENCE, OTHER

NCC 9 30 UNIV OF HOUSTON - CLEAR LAKE 8861
RESEARCH FOR COMPUTING & INFORMATION SYSTEMS
08/08/1994 - 06/30/2002 FY02: $531,757 Total: $33,082,755
Prin. Invest.: E T DICKERSON
Tech. Officer: JSC/R T SAVELY
CASE Category: 22 – COMPUTER SCIENCE

NCC 9 156 UNIV OF HOUSTON - CLEAR LAKE 8862
MANAGEMENT OF JSC LIBRARY BOOKS & JOURNALS & FOR P ROVIDING LIBRARY SERVICES TOJSC PERSONNEL
09/25/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: K WILHORSKI
Tech. Officer: JSC/K E INGRAM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 48 UNIV OF HOUSTON - CLEAR LAKE 8863
NASA IMAGE INST FOR GEOGRAPHY & EARTH SCIENCE TEACHERS
06/01/2000 - 12/31/2000 FY02: $0 Total: $21,900
Prin. Invest.: J N MACIR
Tech. Officer: JSC/N G ROBERTSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10149 UNIV OF HOUSTON - DOWNTOWN 8864
AN URBAN OUTREACH PROGRAM IN SPACE SCIENCE: A COLL ABORATIVE EFFORT BETWEEN NASA,HISPANIC SERVING &
01/03/2001 - 12/31/2003 FY02: $0 Total: $212,998
Prin. Invest.: P A MORRIS-SMITH
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12366 UNIV OF HOUSTON - DOWNTOWN 8865
THE ORIGINS OF TRANSLATION AND EARLY LIFE
07/09/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: G E FOX
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12467 UNIV OF HOUSTON - DOWNTOWN 8866
UHD PARTICIPATORY PROJECT IN MESSENGER EXPLORATION & NSIP DEVELOPMENT OF STUDENT SCIENTISTS - ONE YR
09/11/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: D A ALO
Tech. Officer: GSFC/J L HARRINGTON
CASE Category: 29 – MATH/COMPUTER SCI,OTHER

NAG 9 1018 UNIV OF HOUSTON - DOWNTOWN 8867
PRECOLL AWARD FOR EXCELLENCE PACE/MSET
05/01/1998 - 04/30/2001 FY02: $0 Total: $299,400
Prin. Invest.: R ALO
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1113 UNIV OF HOUSTON - DOWNTOWN 8868
ACIENT LIFE IN ROCKS ON EARTH
05/14/1999 - 05/13/2003 FY02: $0 Total: $30,000
Prin. Invest.: P A MORRIS-SMITH
Tech. Officer: JSC/E K GIBSON
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 9 1114 UNIV OF HOUSTON - DOWNTOWN 8869
ACIENT LIFE IN ROCKS ON EARTH
05/13/1999 - 05/31/2003 FY02: $0 Total: $30,000
Prin. Invest.: P A MORRIS-SMITH
Tech. Officer: JSC/E K GIBSON
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 5352 UNIV OF NORTH TEXAS 8870
NANOSTRUCTURED POLYMER FILMS FOR IMPROVED BARRIER PROPERTIES
01/16/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: N D'SOUZA
Tech. Officer: GSFC/B MERRITT
CASE Category: 13 – PHYSICS

NCC 2 1316 UNIV OF NORTH TEXAS 8871
TESTING THE NECCESITY OF STRATEGIC RETRIEVAL IN EV ENT BASED PROSPECTIVE MEMORY
03/06/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: M BINK
Tech. Officer: ARC/R K DISMUKES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4668 UNIV OF NORTH TEXAS HLTH SCI.CTR AT FT.WORTH 8872
CARTOID BAROREFLEX FUNCTION DURING PROLONGED EXERC
06/17/1997 - 05/31/2001 FY02: $0 Total: $301,896
Prin. Invest.: P B RAVEN
Tech. Officer: GSFC/V SCHNEIDER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1262 UNIV OF NORTH TEXAS HLTH SCI.CTR AT FT.WORTH 8873
VESTIBULAR MODULATION OF AUTOMNOMIC RESPONSES TO ORTHOSTASIS
11/16/2000 - 10/31/2003 FY02: $0 Total: $173,598
Prin. Invest.: M L SMITH, D ORR, D E WATENPAUGH
Tech. Officer: JSC/C W LLOYD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01017 UNIV OF TEXAS - ARLINGTON 8874
NANO-FILM OF HIGH RESOLUTION PRESSURE SENSING
03/01/2001 - 03/31/2002 FY02: $0 Total: $23,239
Prin. Invest.: S P JOSHI
Tech. Officer: LARC/S K KAHNG
CASE Category: 43 – CHEMICAL ENGR

NAG 8 1889 UNIV OF TEXAS - ARLINGTON 8875
DESIGN STURY FOR A SLIT-JAW CAMERA FOR SUMI
09/18/2002 - 12/12/2002 FY02: $0 Total: $0
Prin. Invest.: Z MUSIELAK
Tech. Officer: MSFC/J PORTER
CASE Category: 46 – MECHANICAL ENGR

NCC 2 5395 UNIV OF TEXAS - ARLINGTON 8876
SCHEDULING & LOAD BALANCING ON THE INFORMATION POW ER GRID
08/15/2000 - 03/31/2003 FY02: $0 Total: $85,320
Prin. Invest.: S K DAS
Tech. Officer: ARC/R BISWAS, ARC/D KWAK
CASE Category: 22 – COMPUTER SCIENCE

NGT 5 30382 UNIV OF TEXAS - ARLINGTON 8877
MINING OF STRUCTURAL DATA TO DISCOVER PRABABILISTI C SUBSTRUCTURES JOSEPH T.POTTS
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: D COOK
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01109 UNIV OF TEXAS - AUSTIN 8878
APPLICATION OF HOS AND VOLTERRA MODELS TO AEROELASTIC SYSTEM IDENTIFICATION
07/18/2001 - 09/30/2002 FY02: $0 Total: $35,000
Prin. Invest.: E J POWERS
Tech. Officer: LARC/W A SILVA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1347 UNIV OF TEXAS - AUSTIN 8879
CELLULAR BASES OF LIGHT REGULATED GRAVITY RESPONSE S
07/23/1999 - 06/30/2003 FY02: $0 Total: $305,884
Prin. Invest.: S J ROUX
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1349 UNIV OF TEXAS - AUSTIN 8880
EVOLUTIONARY ORIGIN OF BODY AXIS SEGMENTATION IN A NNELIDS & ARTHROPODS
07/20/1999 - 07/14/2003 FY02: $0 Total: $397,675
Prin. Invest.: S M SHANKLAND
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 1839 UNIV OF TEXAS - AUSTIN 8881
INSTABILITIES IN SURFACE-TENSION DRIVEN CONVECTION
05/06/1996 - 05/05/2001 FY02: $0 Total: $500,000
Prin. Invest.: H L SWINNEY
Tech. Officer: GRC/A T CHAI
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 3 1901 UNIV OF TEXAS - AUSTIN 8882
PRECISON MEASUREMENTS WITH TRAPPED LASER-COOLED AT OMS IN A MICROGRAVITY ENVIRONMENT
06/14/1996 - 01/01/2001 FY02: $0 Total: $432,000
Prin. Invest.: D J HEINZEN
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2240 UNIV OF TEXAS - AUSTIN 8883
LASER VELOCIMETER FOR STUDIES OF MICROGRAVITY COMB USTION FLOWFIELDS
02/26/1999 - 01/13/2003 FY02: $0 Total: $247,750
Prin. Invest.: P L VARGHESE
Tech. Officer: GRC/P S GREENBERG
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2602 UNIV OF TEXAS - AUSTIN 8884
ADVANCED FLYWHEEL MATERIALS DEVELOPMENT PROGRAM FO R HIGH SPECIFIC ENENRY, SPACE APPLICTIONS
05/01/2001 - 05/31/2002 FY02: $0 Total: $50,030
Prin. Invest.: R THOMPSON
Tech. Officer: GRC/K MCLALLIN
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2633 UNIV OF TEXAS - AUSTIN 8885
HIGH PERFORMANCE AIGAN AND GAN POWER ELECTRONIC DE VICES
06/18/2001 - 08/31/2003 FY02: $0 Total: $35,914
Prin. Invest.: D D DUPUIS
Tech. Officer: GRC/G SCHWARZE
CASE Category: 13 – PHYSICS

NAG 5 3431 UNIV OF TEXAS - AUSTIN 8886
PARASEC-SCALE ENVIRONMENT OF LIMINOUS AGN: SPECTROSCOPIC CLUES TO WINDS, JETS, AND ACCRETION
10/01/1996 - 09/30/2002 FY02: $0 Total: $712,606
Prin. Invest.: B J WILLS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3786 UNIV OF TEXAS - AUSTIN 8887
MCDONALD OBSERVATORY SUPPORT: HARLAN SMITH POST-DO PLANETARY SCIENCE
03/19/1997 - 12/31/2002 FY02: $0 Total: $251,849
Prin. Invest.: D N BASH
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 11 – ASTRONOMY

NAG 5 4209 UNIV OF TEXAS - AUSTIN 8888
MICROMACHINED DIFFRACTION GRATINGS FOR COMPACT IR
03/14/1997 - 03/30/2001 FY02: $0 Total: $217,746
Prin. Invest.: D JAFFE
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 5171 UNIV OF TEXAS - AUSTIN 8889
MEASUREMENT AND INTERPRETATION OF TEMPORAL VARIATI VITY FIELD USING GPS AND SLR
07/17/1997 - 07/14/2001 FY02: $0 Total: $162,000
Prin. Invest.: R R EM
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6728 UNIV OF TEXAS - AUSTIN 8890
GENERAL RELATIVISTIC AND GRAVITATIONAL PHYSICS PAR AMETERS FROM LUNAR LASER RANGING DATA
12/11/1997 - 12/31/2001 FY02: $0 Total: $198,000
Prin. Invest.: P J SHELUS
Tech. Officer: GSFC/H HASAN
CASE Category: 11 – ASTRONOMY

NAG 5 7203 UNIV OF TEXAS - AUSTIN 8891
TRACING THE MASS IN AN EVOLUTIONARY SEQUENCE
04/23/1998 - 04/14/2002 FY02: $0 Total: $165,643
Prin. Invest.: N J EVANS, 11
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7582 UNIV OF TEXAS - AUSTIN 8892
"MAPPING NEAR-SURFACE SALINIZATION USING LONG-WAVE LENGTH AIRSAR" (SENH98-0113)
08/04/1998 - 07/31/2002 FY02: $0 Total: $126,000
Prin. Invest.: J G PAINE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7660 UNIV OF TEXAS - AUSTIN 8893
'PATTERNS OF SHORELINE CHANGE AND HURRICANE WASHOV ER ON BARRIER ISLANDS' (SENH98-0094)
09/09/1998 - 08/31/2003 FY02: $0 Total: $600,000
Prin. Invest.: J C GIBEAUT
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7693 UNIV OF TEXAS - AUSTIN 8894
FUNDING FOR 'REMOTE SENSING, GIS AND THE ANCIENT T ERRITORY: A PROJECT FOR THE CHORA OF CHERSONESOS
09/17/1998 - 09/30/2002 FY02: $0 Total: $250,023
Prin. Invest.: J C CARTER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7791 UNIV OF TEXAS - AUSTIN 8895
SPATIALLY-RESOLVED, GROUND-BASED OBSERVATIONS OF M ARTIAN ATMOSPHERIC WATER VAPOR:1999-2002 APP
12/14/1998 - 08/30/2002 FY02: $0 Total: $203,708
Prin. Invest.: D S BARKER
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7910 UNIV OF TEXAS - AUSTIN 8896
CHARACTERIZING THE SIPLE COAST ICE STREAM SYSTEM U SING SATELLITE IMAGES,IMPROVED TOPOGRAPHY, AND IN
12/07/1998 - 12/31/2001 FY02: $0 Total: $82,341
Prin. Invest.: D D BLANKENSHIP
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 7937 **UNIV OF TEXAS - AUSTIN** **8897**
SUPERNOVAE AND COSMOLOGY
12/21/1998 - 12/31/2003 FY02: $0 Total: $314,815
Prin. Invest.: P HOEFLICH
Tech. Officer: GSFC/DK WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8143 **UNIV OF TEXAS - AUSTIN** **8898**
IMPROVED NUMERICAL MODELING OF LOW-DENSITY ATMOSPH ERIC FLOW ON IO
02/01/1999 - 12/31/2002 FY02: $0 Total: $152,688
Prin. Invest.: D GOLDSTEIN
Tech. Officer: GSFC/D BOGAN
CASE Category: 11 – ASTRONOMY

NAG 5 8290 **UNIV OF TEXAS - AUSTIN** **8899**
OPTIMAL LAND INITIALIZATION FOR SEASONAL CLIMATE P REDICTIONS
02/24/1999 - 08/31/2001 FY02: $0 Total: $297,543
Prin. Invest.: J S FAMIGLIETTI
Tech. Officer: GSFC/M RIENECKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8301 **UNIV OF TEXAS - AUSTIN** **8900**
PHOTOMETRIC DETECTION OF EXTRA-SOLAR PLANETS
02/24/1999 - 02/28/2003 FY02: $0 Total: $269,600
Prin. Invest.: W P COCHRAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8611 **UNIV OF TEXAS - AUSTIN** **8901**
SOIL MOISTURE VARIABILITY AND ITS ROLE IN LAND ATMOSPHERE INTERACTION DURING SGP97
06/11/1999 - 06/14/2001 FY02: $0 Total: $124,590
Prin. Invest.: J S FAMIGLIETTI
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8798 **UNIV OF TEXAS - AUSTIN** **8902**
VARIATIONS IN SPACE GEODETIC IN TIME SERIES DUE TO WATER REDISTRIBUTION AND OTHER SOURCES.
11/02/1999 - 11/14/2003 FY02: $100,000 Total: $310,000
Prin. Invest.: C R WILSON
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8858 **UNIV OF TEXAS - AUSTIN** **8903**
HIGH INDEX GRISMS FOR MID-INFRARED SPECTROSCOPY.
09/28/1999 - 01/31/2003 FY02: $0 Total: $288,671
Prin. Invest.: D T JAFFE
Tech. Officer: GSFC/F HERRERO
CASE Category: 13 – PHYSICS

NAG 5 9003 **UNIV OF TEXAS - AUSTIN** **8904**
THE CHEMICAL COMPOSITION OF PRIMITIVE BODIES IN THE SOLAR SYSTEM
01/27/2000 - 01/31/2003 FY02: $0 Total: $205,886
Prin. Invest.: A L COCHRAN
Tech. Officer: GSFC/T H MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 9144 **UNIV OF TEXAS - AUSTIN** **8905**
RECONSTRUCTION OF HISTORICAL SEA LEVEL VARIATIONS USING TIDE GAUGE DATA AND EMPIRICALORTHOGONAL
02/29/2000 - 02/28/2003 FY02: $0 Total: $50,000
Prin. Invest.: D P CHAMBERS
Tech. Officer: GSFC/H V FREY
CASE Category: 11 – ASTRONOMY

NAG 5 9163 **UNIV OF TEXAS - AUSTIN** **8906**
IMPROVEMENT IN GEOID MODELS FOR OCEAN CIRCULATION STUDIES
03/08/2000 - 03/14/2003 FY02: $0 Total: $80,000
Prin. Invest.: B TAPLEY
Tech. Officer: GSFC/F HERBERT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9227 **UNIV OF TEXAS - AUSTIN** **8907**
RADIAL VELOCITY DETECTION OF EXTRA-SOLAR PLANETARY SYSTEMS
03/13/2000 - 03/30/2003 FY02: $0 Total: $280,000
Prin. Invest.: W COCHRAN
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9230 **UNIV OF TEXAS - AUSTIN** **8908**
IMPROVED SILICON DIFFRACTION GRATINGS FOR NEAR-IR SPECTROS-COPY FROM SPACE
03/20/2000 - 02/28/2003 FY02: $0 Total: $244,736
Prin. Invest.: D JAFFE
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 11 – ASTRONOMY

NAG 5 9239 **UNIV OF TEXAS - AUSTIN** **8909**
FAR-UV ABSORPTION-LINE SPECTROSCOPY OF THE NEUTRAL ENVE-LOPES OF PLANETARY NEBULAE - FUSE
03/09/2000 - 03/14/2002 FY02: $0 Total: $73,600
Prin. Invest.: G SONNEBORN
Tech. Officer: GSFC/H DINERSTEIN
CASE Category: 11 – ASTRONOMY

NAG 5 9302 **UNIV OF TEXAS - AUSTIN** **8910**
REQUEST FOR SUPPLEMENTAL FUNDING FOR COX POSTDOCTO RAL FELLOW
03/20/2000 - 03/31/2002 FY02: $0 Total: $22,500
Prin. Invest.: C WHEELER
Tech. Officer: GSFC/D GOLOMBEK
CASE Category: 11 – ASTRONOMY

NAG 5 9321 **UNIV OF TEXAS - AUSTIN** **8911**
A PARALLEL GENETICS-ALGORITHM-BASED APPROACH TO WHITE DWARF PULSATION MODELS
03/22/2000 - 03/31/2003 FY02: $0 Total: $152,900
Prin. Invest.: D E WINGET
Tech. Officer: GSFC/J BREDEKAMP
CASE Category: 11 – ASTRONOMY

NAG 5 9829 **UNIV OF TEXAS - AUSTIN** **8912**
SPACECRAFT RENDEZVOUS NAVIGATION WITH INTEGRATED INS-GPS.
08/23/2000 - 08/31/2001 FY02: $0 Total: $80,382
Prin. Invest.: R H BISHOP
Tech. Officer: GSFC/R CARPENTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9989 UNIV OF TEXAS - AUSTIN 8913
EARTH SYSTEM DYNAMICS: THE DETERMINATION & INTERP RETATION OF THE GLOBALANGULAR MOMENTUM BUDGET USI
09/21/2000 - 03/31/2002 FY02: $0 Total: $1,087,000
Prin. Invest.: B D TAPLEY
Tech. Officer: GSFC/J LABRECQUE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10121 UNIV OF TEXAS - AUSTIN 8914
20TH TEXAS SYMPOSIUM ON RELATIVISTIC ASTROPHYSICS
11/28/2000 - 01/31/2002 FY02: $0 Total: $15,000
Prin. Invest.: J C WHEELER
Tech. Officer: GSFC/L KALUZIENSKI
CASE Category: 11 – ASTRONOMY

NAG 5 10183 UNIV OF TEXAS - AUSTIN 8915
ASTROMETRY OF NEW & UNDER-OBSERVED NEAR-EARTH- OBJECTS-(NEOS) AT MCDONALD OBSERVATORY
01/22/2001 - 01/31/2003 FY02: $0 Total: $99,400
Prin. Invest.: E BARKER
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10195 UNIV OF TEXAS - AUSTIN 8916
GENERAL RELATIVISTIC & GRAVITATIONAL PHYSICS PARAM ETERS FROM LUNAR LASERRANGING DATA
12/28/2000 - 12/31/2003 FY02: $0 Total: $50,000
Prin. Invest.: P J SHELUS
Tech. Officer: GSFC/M SALOMON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10435 UNIV OF TEXAS - AUSTIN 8917
GROUND BASED STUDIES OF THE OUTER PLANETS
02/20/2001 - 02/28/2004 FY02: $0 Total: $130,600
Prin. Invest.: L TRAFTON
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 10458 UNIV OF TEXAS - AUSTIN 8918
INFRARED SPECTRAL SURVEY OF YOUNG STELLAR/PLANETAR Y SYS-TEMS WITH SUB-AU SPATIAL RESOLUTION
02/26/2001 - 02/28/2003 FY02: $310,000 Total: $345,000
Prin. Invest.: P HARVEY
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10488 UNIV OF TEXAS - AUSTIN 8919
FROM MOLECULAR CLOUD CORE TO PROTOPLANETARY DISK: TRACING THE MASS
02/27/2001 - 02/28/2004 FY02: $0 Total: $60,000
Prin. Invest.: N J EVANS,II
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10766 UNIV OF TEXAS - AUSTIN 8920
JETS FROM NEUTRON STARS (ATP-2000)
04/23/2001 - 04/30/2004 FY02: $0 Total: $53,900
Prin. Invest.: J WHEELER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10767 UNIV OF TEXAS - AUSTIN 8921
SUPPLEMENT FOR THEORY POSTDOC (ATP-2000)
05/03/2001 - 04/30/2004 FY02: $0 Total: $16,000
Prin. Invest.: J WHEELER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10825 UNIV OF TEXAS - AUSTIN 8922
REIONIZATION OF THE UNIVERSE (ATP - 2000)
05/01/2001 - 05/14/2004 FY02: $0 Total: $111,390
Prin. Invest.: P R SHAPIRO
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10826 UNIV OF TEXAS - AUSTIN 8923
FORMATION OF STAR CLUSTERS (ATP - 2000)
05/01/2001 - 05/14/2003 FY02: $0 Total: $79,332
Prin. Invest.: H MARTEL
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11203 UNIV OF TEXAS - AUSTIN 8924
SATELLITE LASER RANGING DATA ANALYSIS AND QUALITY CONTROL
08/09/2001 - 08/14/2004 FY02: $0 Total: $50,000
Prin. Invest.: R J EANES
Tech. Officer: GSFC/D L CARTER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11278 UNIV OF TEXAS - AUSTIN 8925
DECENTRALIZED CONTROL FOR SATELLITES
08/21/2001 - 08/31/2003 FY02: $0 Total: $86,835
Prin. Invest.: E LIGHTSEY
Tech. Officer: GSFC/J R CARPENTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11464 UNIV OF TEXAS - AUSTIN 8926
GENERAL RELATIVISTIC AND GRAVITATIONAL PHYSICS PAR AMETERS FROM LUNAR LASER RANGING DATA
12/10/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: P SHELUS
Tech. Officer: GSFC/M SALAMON
CASE Category: 13 – PHYSICS

NAG 5 11597 UNIV OF TEXAS - AUSTIN 8927
NEBULAR UV ABSORPTION LINES IN PLANETARY NEBULAE - FUSE CYCLE 2.
01/17/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: H L DINERSTEIN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 11619 UNIV OF TEXAS - AUSTIN 8928
DEEP MOONQUAKES ON THE FAR HEMISPHERE OF THE MOON
01/22/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: Y NAKAMURA
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 11636 UNIV OF TEXAS - AUSTIN 8929
"WATER MASS VARIABILITY IN THE EARTH SYSTEM"
01/18/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: D P CHAMBERS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11949 **UNIV OF TEXAS - AUSTIN** **8930**
ATTITUDE DETERMINATION USING NONALINGED GPS ATENNAS
03/28/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: G LIGHTSEY
Tech. Officer: GSFC/R CARPENTER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11991 **UNIV OF TEXAS - AUSTIN** **8931**
MODELING PARTICULATES IN IONIAN VOLCANIC PLUMES
04/11/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: D GOLDSTEIN
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12299 **UNIV OF TEXAS - AUSTIN** **8932**
P-MODES, GRAVITY WAVES, ROTATION AND THE SOLAR CYC LE
06/19/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: P KUMAR
Tech. Officer: GSFC/W J WAGNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12322 **UNIV OF TEXAS - AUSTIN** **8933**
ACCRETION DISK VISCOSITY (FUSE 2001)
08/07/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: E L ROBINSON
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 8 1764 **UNIV OF TEXAS - AUSTIN** **8934**
SEARCH FOR TIME REVERALS SYMETRY VIOLATION WITH LASER-COOLED ATOMS
05/01/2001 - 04/30/2005 FY02: $0 Total: $80,000
Prin. Invest.: D J HEINZMAN
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 994 **UNIV OF TEXAS - AUSTIN** **8935**
1998 NASA REDUCED GRAVITY STUDENT FLIGHT OPS
02/23/1998 - 01/31/2001 FY02: $0 Total: $606,263
Prin. Invest.: B D TAPLEY, B O FORT
Tech. Officer: JSC/D G SICKOREZ, JSC/N G ROBERTSON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1060 **UNIV OF TEXAS - AUSTIN** **8936**
NASA STUDENT COMPETITION
12/14/1998 - 10/31/2002 FY02: $0 Total: $161,029
Prin. Invest.: B D TAPLEY
Tech. Officer: JSC/H C MANDELL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1187 **UNIV OF TEXAS - AUSTIN** **8937**
INTERNATIONAL SPACE STATION GPS RECEIVER SUPPORT
02/02/2000 - 01/31/2003 FY02: $0 Total: $197,271
Prin. Invest.: G E LIGHTSEY
Tech. Officer: JSC/G C BLACKBURN, JSC/J M COX
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1189 **UNIV OF TEXAS - AUSTIN** **8938**
NAVIGATION SYSTEMS AND TECHNOLOGY LAB
01/28/2000 - 12/31/2003 FY02: $0 Total: $198,377
Prin. Invest.: G LIGHTSEY
Tech. Officer: JSC/J W BELL
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1213 **UNIV OF TEXAS - AUSTIN** **8939**
ANALYSIS AND MEASUREMENT OF THERMAL INSULATION PROPERNES OF EVAC HOLLOW FIBERS
03/01/2000 - 05/31/2001 FY02: $0 Total: $37,718
Prin. Invest.: H L PAUL, K R DILLER
Tech. Officer: JSC/L A TREVINO
CASE Category: 46 – MECHANICAL ENGR

NAG 9 1225 **UNIV OF TEXAS - AUSTIN** **8940**
MARS PRECISION LANDING TASK
04/13/2000 - 09/30/2002 FY02: $0 Total: $247,503
Prin. Invest.: R BISHOP
Tech. Officer: JSC/E M BRADEN
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1244 **UNIV OF TEXAS - AUSTIN** **8941**
HYBIRD PARTICLE ELEMENT SIMULATION OF IMPACT ON COMPOSITE ORBITAL DEBRIS SHIELDS
07/11/2000 - 09/30/2003 FY02: $0 Total: $123,539
Prin. Invest.: E P FAHRENTHOLD
Tech. Officer: JSC/E L CHRISTIANSEN, JSC/J H KERR
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1275 **UNIV OF TEXAS - AUSTIN** **8942**
CULTURAL AND PERSONALITY DETERMINANTS OF PERFORMANCE AND ERROR MANAGMENT
02/22/2001 - 01/31/2003 FY02: $0 Total: $137,548
Prin. Invest.: R L HELMREICH
Tech. Officer: JSC/C LLOYD
CASE Category: 56 – MEDICL

NAG 9 1286 **UNIV OF TEXAS - AUSTIN** **8943**
NASA REDUCED GRAVEITY STUDENT FLIGHT CAMPAIGN 2001
03/05/2001 - 12/31/2001 FY02: $0 Total: $405,444
Prin. Invest.: B D TAPLEY
Tech. Officer: JSC/D SICKOREZ
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 9 1323 **UNIV OF TEXAS - AUSTIN** **8944**
LOW THRUST CAPTURE INVESTIGATION
06/13/2001 - 10/31/2001 FY02: $0 Total: $20,000
Prin. Invest.: R BISHOP
Tech. Officer: JSC/T CRANE
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 9 1437 **UNIV OF TEXAS - AUSTIN** **8945**
SPACE LAUNCH INITIATIVE ADAPTIVE NAVAGATION ARCHIT ECTURE
07/22/2002 - 10/21/2006 FY02: $0 Total: $0
Prin. Invest.: R H BISHOP
Tech. Officer: JSC/T CRAIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1441 **UNIV OF TEXAS - AUSTIN** **8946**
ADVANCED MULTI-BODY/MULTI-SPACECRAFT TRAJACTORY OPTIMIZATION SYSTEM
07/25/2002 - 07/24/2003 FY02: $0 Total: $0
Prin. Invest.: C OCAMPO
Tech. Officer: JSC/G L CONDON
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG10 202 **UNIV OF TEXAS - AUSTIN** **8947**
EARLY DEVELOPMENT OF FERN GAMETOPHYTES IN MICROSCAVITY
10/16/1996 - 12/31/2000 FY02: $0 Total: $400,625
Prin. Invest.: S J POUX
Tech. Officer: KSC/W M KNOTT
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG10 288 **UNIV OF TEXAS - AUSTIN** **8948**
MAG-LEV LAUNCH ASSIST TECHNOLOGY DEMONSTRATOR MAG-LEV LAUNCH ASSIST TECHNOLOGY DEMONSTRATOR
07/17/2000 - 03/31/2001 FY02: $0 Total: $94,998
Prin. Invest.: R ZOWARKA
Tech. Officer: KSC/F ADAMS
CASE Category: 45 – ELECTRICAL ENGR

NAG10 295 **UNIV OF TEXAS - AUSTIN** **8949**
EARLY DEVELOPMENT OF FERN GAMETOPHYTES IN MICROGRA VITY
02/05/2001 - 04/30/2005 FY02: $0 Total: $30,000
Prin. Invest.: D ROUX
Tech. Officer: KSC/D SCHULTZ
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG13 02049 **UNIV OF TEXAS - AUSTIN** **8950**
RESEARCH ENTITLED ″MID-AMERICAN GEOSPATIAL INFORMATION SYSTEM″
07/25/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: B TAPLEY
Tech. Officer: SSC/B DAVIS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAS 3 00119 **UNIV OF TEXAS - AUSTIN** **8951**
FLYWHEEL ROTOR HEALTH MONITORING RESEARCH & DEVELO PMENT
04/26/2000 - 04/25/2003 FY02: $0 Total: $115,000
Prin. Invest.: J BENO
Tech. Officer: GRC/K MCLALLIN
CASE Category: 49 – ENGINEERING, OTHER

NAS 3 00135 **UNIV OF TEXAS - AUSTIN** **8952**
DC-DC HIGH VOLTAGE CONVERTER TECHNOLOGY DEMONSTRAT ION
05/25/2000 - 11/24/2000 FY02: $0 Total: $168,618
Prin. Invest.: W A WALLS
Tech. Officer: GRC/P GEORGE
CASE Category: 49 – ENGINEERING, OTHER

NAS 3 01133 **UNIV OF TEXAS - AUSTIN** **8953**
FLYWHEEL ARBOR DEVELOPMENT
05/30/2001 - 05/29/2003 FY02: $0 Total: $357,000
Prin. Invest.: R H BENO, R THOMPSON
Tech. Officer: GRC/K L MCLALLIN
CASE Category: 46 – MECHANICAL ENGR

NAS 3 99169 **UNIV OF TEXAS - AUSTIN** **8954**
FLYWHEEL ROTOR HUB AND RIM HARDWARE FOR THE ACESE FOR ISS
07/08/1999 - 12/31/2002 FY02: $0 Total: $3,656,324
Prin. Invest.: J H BENO, R C THOMPSON
Tech. Officer: JSC/K KONNO
CASE Category: 46 – MECHANICAL ENGR

NAS 5 01096 **UNIV OF TEXAS - AUSTIN** **8955**
MCDONALD LASER RANGING STATION SUPPORT SERVICES
03/01/2001 - 02/28/2004 FY02: $0 Total: $307,000
Prin. Invest.: P J SHELUS
Tech. Officer: GSFC/D L CARTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 5 32997 **UNIV OF TEXAS - AUSTIN** **8956**
OPERATION, MAINTENANCE AND ENGINEERING DEVELOPMENT OF THE UNIV OF TX LASER RANGING STATION
04/17/1996 - 02/28/2001 FY02: $0 Total: $2,258,846
Prin. Invest.: P J SHELUS, R RICKLETS, J WIANT
Tech. Officer: GSFC/J MCGARRY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 5 97213 **UNIV OF TEXAS - AUSTIN** **8957**
GRAVITY RECOVERY AND CLIMATE EXPERIMENT (GRACE)
08/12/1997 - 06/12/2006 FY02: $0 Total: $6,286,000
Prin. Invest.: B TAPLEY
Tech. Officer: GSFC/R FITZGERALD
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 99005 **UNIV OF TEXAS - AUSTIN** **8958**
GLAS SCIENCE TEAM LEADER.
11/25/1998 - 12/01/2002 FY02: $0 Total: $3,505,000
Prin. Invest.: R SCHUTZ
Tech. Officer: GSFC/G SMITH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5482 **UNIV OF TEXAS - AUSTIN** **8959**
DESIGN AND CONTROL OF LARGE COLLECTIONS OF LEARNIN G AGENTS
02/19/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: J GHOSH
Tech. Officer: ARC/K TUMER
CASE Category: 22 – COMPUTER SCIENCE

NCC 3 677 **UNIV OF TEXAS - AUSTIN** **8960**
INVESTIGATION OF STRAIN/VORTICITY AND LARGE-SCALE FLOW STRUCTURE IN TURBULENT NONPREMIXED JET FLAMES
02/26/1999 - 01/13/2003 FY02: $0 Total: $292,697
Prin. Invest.: N T CLEMENS
Tech. Officer: GRC/K SACKSTEDER
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 463 **UNIV OF TEXAS - AUSTIN** **8961**
EVALUATION AND VALIDATION OF E0-1 AND LANDSAT 7 IMAGERY THROUGH AN ANALYSIS OF LAND COVER/LAND USE
02/29/2000 - 12/31/2002 FY02: $18,677 Total: $224,927
Prin. Invest.: W A WHITE
Tech. Officer: GSFC/S G UNGAR
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 1 52147 **UNIV OF TEXAS - AUSTIN** **8962**
GRADUATE STUDENT RESEARCH PROGRAM (GSRP)
07/26/1996 - 12/31/2001 FY02: $0 Total: $110,001
Prin. Invest.: W T FOWLER
Tech. Officer: LARC/T A TOLAY
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 72 **UNIV OF TEXAS - AUSTIN** **8963**
GSRP TRAINING GRANT - PAUL THOMPSON - MASS DISTRIB UTION IN THE EARTH'S SYSTEMS: SPACE GEODETIC MEA
06/04/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: B D TAPLEY
Tech. Officer: GSFC/G S SOFFEN
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 130 UNIV OF TEXAS - AUSTIN 8964
SOLVING THE INITIAL VALUE PROBLEM FOR TWO BLACK HO LES. STUDENT: ERIN BONNING
06/06/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: R MATZNER
Tech. Officer: GSFC/M S BURREL
CASE Category: 13 – PHYSICS

NGT 5 136 UNIV OF TEXAS - AUSTIN 8965
SYNTHESIS OF ATTITUDE DETERMINATION ALGORITHMS ON A PIVOT GPS RECEIVER STUDENT: JARED MADSEN
06/13/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: G LIGHTSEY
Tech. Officer: GSFC/M S BURRELL
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 137 UNIV OF TEXAS - AUSTIN 8966
INFRARED IMMERSION GRATINGS AND GRISMS FOR IR SPEC TROSCOPY AND A SPECTROSCOPIC STUDY OF PR
06/13/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: D T JAFFE
Tech. Officer: GSFC/M S BURRELL
CASE Category: 11 – ASTRONOMY

NGT 5 139 UNIV OF TEXAS - AUSTIN 8967
PARALLEL FINITE ELEMENT COMPUTATIONAL TECHNIQUES & AMR FOR MICROGRAVITY FLUID FLOW SIMULATION PROBLE
07/02/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: G F CAREY
Tech. Officer: GSFC/M S BURRELL
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 141 UNIV OF TEXAS - AUSTIN 8968
TRAJECTORY OPTIMIZATION IN TRANSLATING, ROTATING, AND OSCILLATING REFER-ENCE FRAMES WITH APPLICATION
07/18/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: C OCAMPO
Tech. Officer: GSFC/M S BURRELL
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 30162 UNIV OF TEXAS - AUSTIN 8969
ESTIMATING CHANGES IN CONTINENTAL WATER STORAGE FR OM SATELLITE OBSERVA- TIONS OF THETIME DEPENDENT
08/31/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: J S FAMIGLIETTI, ROD
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30447 UNIV OF TEXAS - AUSTIN 8970
ESTIMATING WATER CONTENT VARIATIONS, ERROR ANALYSI S, AND VALIDATION OF GRACE (STUDENT: KI-WEON SE
08/23/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C WILSON
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30468 UNIV OF TEXAS - AUSTIN 8971
THE TREATMENT OF ALIASING ERROR IN THE ESTIMATION OF THE EARTH'S GRAVITYFIELD - STUDENT NAME: BRIAN
08/21/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: B TAPLEY
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40083 UNIV OF TEXAS - AUSTIN 8972
TEXAS SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $504,600
Prin. Invest.: B TAPLEY
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50239 UNIV OF TEXAS - AUSTIN 8973
IMPROVED ESTIMATION OF SURFACE TOPOGRAPHY & VEGETA TION STRUCTURE BY COMBINING INTERFEROMETRIC SAR
06/03/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: M CRAWFORD
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50301 UNIV OF TEXAS - AUSTIN 8974
GALAXY EVOLUTION AT REDSHIFTS OF Z=1-2
06/29/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: G J HILL
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50361 UNIV OF TEXAS - AUSTIN 8975
AUTONOMOUS RENDEZVOUS BETWEEN MULTIPLE SPACECRAFT IN A CENTRAL BODY GRAVITY FIELD WITH DETAILED SENS
05/31/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: C OCAMPO
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50371 UNIV OF TEXAS - AUSTIN 8976
RNAI ANALYSIS OF GRAVIRY SIGNAL TRANSDUCTION IN CERATOPERIS RICHARDII
06/13/2001 - 07/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: S ROUX
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50401 UNIV OF TEXAS - AUSTIN 8977
PROBING THE PHYSICAL CONDITIONS OF STAR FORMATION
06/13/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: N EVANS
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 20 UNIV OF TEXAS - AUSTIN 8978
TRAINING GRANT
07/08/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: R H BISHOP
Tech. Officer: JSC/D J PEARSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4465 UNIV OF TEXAS - DALLAS 8979
THE SPATIAL DISTRIBUTION OF IONOSPHERIC PLASMA AND IGH LATITUDES
05/27/1997 - 04/30/2001 FY02: $0 Total: $282,115
Prin. Invest.: D A HEELIS
Tech. Officer: GSFC/M M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 5257 UNIV OF TEXAS - DALLAS 8980
A SEQUENTIAL ROCKET INVESTIGATION OF WINDS AND PLASMAS LAYERS IN THE NIGHTTIME E-REGION
02/28/2000 - 02/21/2003 FY02: $0 Total: $728,087
Prin. Invest.: G D EARLE
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 9297 UNIV OF TEXAS - DALLAS 8981
A WEB-BASED DISTRIBUTION OF IONOSPHERIC THERMAL PLASMA DATA FROM THE DMSP SPACECRAFT
04/17/2000 - 04/30/2003 FY02: $0 Total: $155,000
Prin. Invest.: M HAIRSTON
Tech. Officer: GSFC/P HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9476 UNIV OF TEXAS - DALLAS 8982
TURBO CODES & THEIR APPLICATION IN MOBILE SYSTEMS
04/24/2000 - 04/30/2002 FY02: $0 Total: $99,999
Prin. Invest.: J P FONSEKA
Tech. Officer: GSFC/P H YEH
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 10271 UNIV OF TEXAS - DALLAS 8983
A MODEL OF IONOSPHERIC VELOCITY STRYUCTURE IN THE HIGH LATITUDE F-REGION
01/08/2001 - 01/31/2004 FY02: $0 Total: $64,902
Prin. Invest.: R HEELIS
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10335 UNIV OF TEXAS - DALLAS 8984
DEVELOPMENT OF A RAM WIND SENSOR FOR PLANETARY THERMOSPHERIC STUDIES-PROPOSAL #273
02/06/2001 - 01/31/2004 FY02: $0 Total: $329,980
Prin. Invest.: G D EARLE
Tech. Officer: GSFC/C STAHLE
CASE Category: 13 – PHYSICS

NAS 5 01068 UNIV OF TEXAS - DALLAS 8985
THE COUPLED ION-NEUTRAL DYNAMICS INVESTIGATION.
12/13/2000 - 12/31/2005 FY02: $0 Total: $1,275,000
Prin. Invest.: R A HEELIS
Tech. Officer: GSFC/J BYRD
CASE Category: 11 – ASTRONOMY

NGT 5 50354 UNIV OF TEXAS - DALLAS 8986
LOW-LATITUDE IONOSPHERIC PLASMA DEPLETION: STRUTURE AND DYNAMICS
05/11/2001 - 05/14/2004 FY02: $0 Total: $22,000
Prin. Invest.: R A HEELIS
Tech. Officer: GSFC/M E MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1138 UNIV OF TEXAS - EL PASO 8987
VERIFICATION OF NASA MISSION-CRITICAL SOFTWARE WIT HOUT SACRIFICING PERFORMANCE
07/14/1997 - 06/30/2001 FY02: $0 Total: $199,887
Prin. Invest.: P J TELLER
Tech. Officer: ARC/LOWRY
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2303 UNIV OF TEXAS - EL PASO 8988
THIN-FILM SOLAR CELLS FOR SPACE APPLICATION THIN-FILM SOLAR CELLS FOR SPACE APPLICATION
11/23/1999 - 10/28/2002 FY02: $0 Total: $399,394
Prin. Invest.: G B LUSH
Tech. Officer: GRC/A HEPP
CASE Category: 45 – ELECTRICAL ENGR

NAG 3 2773 UNIV OF TEXAS - EL PASO 8989
DEVELOPMENT OF CONTROL STRATEGIES FOR MICROTHRUSTE R PROPELLANT FLOW
04/24/2002 - 05/30/2003 FY02: $0 Total: $0
Prin. Invest.: D KYPUROS
Tech. Officer: GRC/B REED
CASE Category: 43 – CHEMICAL ENGR

NAG 4 150 UNIV OF TEXAS - EL PASO 8990
(FAR) AN IMAGING FRANEWORK FOR AERODYNAMIC, FLUID MECHANIC, AND HEAT TRANSFER SCIENIFIC-GRADE
03/03/1998 - 02/27/2001 FY02: $0 Total: $294,177
Prin. Invest.: R WICKER
Tech. Officer: DFRC/J BRADEN, DFRC/K K GUPTA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8882 UNIV OF TEXAS - EL PASO 8991
SCIENCE EDUCATIONAL INSTRUCTIONAL MATERIALS FOR ISTP/SOLARMAX
11/30/1999 - 01/14/2002 FY02: $0 Total: $53,228
Prin. Invest.: R E LOPEZ
Tech. Officer: GSFC/M H ACUNA
CASE Category: 13 – PHYSICS

NAG 5 9213 UNIV OF TEXAS - EL PASO 8992
PROBING NEUTRINO-INDUCED NUCLEOSYNTHESIS FROM THE ABUNDANCES OF FLUORINEBORON, LITHIUM, & OXYGEN
03/23/2000 - 03/31/2004 FY02: $0 Total: $180,925
Prin. Invest.: V E SMITH
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9542 UNIV OF TEXAS - EL PASO 8993
REMOTE SENSING SPECTRAL IDENTIFICATION OF FRESHWAT ER PLANKTON
05/09/2000 - 05/14/2003 FY02: $0 Total: $199,849
Prin. Invest.: D SCHULZ-MAKUCH
Tech. Officer: GSFC/D MENCHAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10151 UNIV OF TEXAS - EL PASO 8994
CONNECTING SUN CITY WITH SUN-EARTH CONNECTIONS
01/03/2001 - 12/31/2003 FY02: $0 Total: $223,990
Prin. Invest.: R LOPEZ
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 5 10507 UNIV OF TEXAS - EL PASO 8995
STUDIES OF SOLAR WIND-MAGNETOSPHERE COUPLING THRU DETAILED COMPARISON OF OBSERVATIONS & RESULTS
03/01/2001 - 02/28/2004 FY02: $0 Total: $95,916
Prin. Invest.: R LOPEZ
Tech. Officer: GSFC/J SPANN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 8 1645 **UNIV OF TEXAS - EL PASO** **8996**
INVESTIGATION OF FRICTION STIR WELDING
09/30/1999 - 09/30/2003 FY02: $0 Total: $200,000
Prin. Invest.: J C MCCLURE
Tech. Officer: MSFC/A BEAM, MSFC/W LOVE
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 1099 **UNIV OF TEXAS - EL PASO** **8997**
DATA FUSION METHODOLOGISTS FOR DAMAGE MONITORING OF AERO-SPACE STRUCTURES
05/15/1999 - 05/08/2003 FY02: $0 Total: $155,189
Prin. Invest.: C FERREGUT
Tech. Officer: JSC/A R ROCHA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1100 **UNIV OF TEXAS - EL PASO** **8998**
FUNDAMENTAL STUDIES OF CRATERING PHENOMMMENA
05/21/1999 - 12/31/2002 FY02: $0 Total: $155,773
Prin. Invest.: L E MURR
Tech. Officer: JSC/F HORZ
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 9 1171 **UNIV OF TEXAS - EL PASO** **8999**
EXPERIMENTS FOR THE GRANTS AND COOP AGREEMENT HANDBOOKS
09/28/1999 - 05/31/2003 FY02: $0 Total: $199,339
Prin. Invest.: L E MURR
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 47 – METAL & MATERIALS ENGR

NAG10 225 **UNIV OF TEXAS - EL PASO** **9000**
CONTINUOUS HAZARD TRACKING & FAILURE ANALYSIS METHODOLOGY
09/17/1997 - 09/30/2002 FY02: $0 Total: $298,983
Prin. Invest.: R QUINTANA
Tech. Officer: KSC/B DELIWALA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 287 **UNIV OF TEXAS - EL PASO** **9001**
NONPARAMETRIC INFERENCE UNDER ORDER CONSTRAINTS FO R COM-PLETE AND CENSORED DATE: MATERIALS SCIENCE
06/28/2000 - 06/27/2003 FY02: $0 Total: $180,089
Prin. Invest.: D ROJO
Tech. Officer: KSC/R LEE
CASE Category: 21 – MATHEMATICS

NCC 2 5441 **UNIV OF TEXAS - EL PASO** **9002**
SCIENCE OPPORTUNITY PLANNING FOR THE CASSINI SATUR N MISSION
06/26/2001 - 05/31/2003 FY02: $0 Total: $7,840
Prin. Invest.: S M ROACH
Tech. Officer: ARC/J N CUZZI
CASE Category: 11 – ASTRONOMY

NCC 5 97 **UNIV OF TEXAS - EL PASO** **9003**
THE UNIV OF TEXAS AT EL PASO NETWORK RESOURCES AND TRAINING SITES
08/15/1995 - 08/14/2001 FY02: $0 Total: $2,623,999
Prin. Invest.: M KOLITSKY
Tech. Officer: GSFC/J BENNETT
CASE Category: 22 – COMPUTER SCIENCE

NCC 5 468 **UNIV OF TEXAS - EL PASO** **9004**
CERTIFICATION OF MATHEMATICS AND SCIENCE TEACHERS
03/07/2000 - 03/14/2003 FY02: $0 Total: $377,157
Prin. Invest.: S BLAKE
Tech. Officer: GSFC/C HOLLINGSWORTH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 498 **UNIV OF TEXAS - EL PASO** **9005**
PAN AMERICAN CENTER FOR EARTH AND ENVIRONMENTAL STUDIES
05/01/2000 - 06/30/2005 FY02: $1,200,000 Total: $2,200,000
Prin. Invest.: S STARKS
Tech. Officer: GSFC/J LAMBRECQUE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 535 **UNIV OF TEXAS - EL PASO** **9006**
PROPELLING SCIENCE CONTENT INTO THE NEW MILLENNIUM /MUSPIN NRTS PROGRAM.
02/01/2001 - 01/31/2004 FY02: $0 Total: $350,000
Prin. Invest.: H L SCHULTE
Tech. Officer: GSFC/J HARRINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 655 **UNIV OF TEXAS - EL PASO** **9007**
DISSEMINATION OF NASA NRTS IMPACTS AT UTEP
09/24/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: H SCHULTE
Tech. Officer: GSFC/J L HARRINGTON
CASE Category: 22 – COMPUTER SCIENCE

NAG 9 1054 **UNIV OF TEXAS AT BROWNSVILLE** **9008**
PRE MATH, SCIENCE, ENGINEERING & TECH SPT PROGRAM
09/18/1998 - 08/31/2001 FY02: $0 Total: $75,578
Prin. Invest.: O RIVAS
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1064 **UNIV OF TEXAS AT BROWNSVILLE** **9009**
NRA PACE/MSET BLAST-OFF TO AN ENGINEERING CAREER
01/07/1999 - 01/01/2003 FY02: $0 Total: $300,000
Prin. Invest.: W WELLS
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1304 **UNIV OF TEXAS AT BROWNSVILLE** **9010**
PRE MATH SCIENCE ENGINEERING & TECH SPT (MSET)
05/18/2001 - 08/26/2002 FY02: $0 Total: $25,000
Prin. Invest.: A RIVAS
Tech. Officer: JSC/L ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1391 **UNIV OF TEXAS AT BROWNSVILLE** **9011**
HISPANIC EDUCATION PROGRAM
12/06/2001 - 12/05/2002 FY02: $0 Total: $0
Prin. Invest.: L V LOF
Tech. Officer: JSC/L MARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1406 **UNIV OF TEXAS AT BROWNSVILLE** **9012**
PREMATH, SCIENCE, ENGINEEING & TECH SPT PROGRAM
06/20/2002 - 06/19/2005 FY02: $0 Total: $0
Prin. Invest.: H SILVA
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 438 **UNIV OF TEXAS AT BROWNSVILLE** **9013**
C+P=M2T: SOUTH TEXAS MASTER MATHEMATICS TEACHER PREPARATION PROGRAMS
03/03/2000 - 02/28/2003 FY02: $0 Total: $231,849
Prin. Invest.: J TELESE
Tech. Officer: GSFC/B WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1383 UNIV OF TEXAS AT SAN ANTONIO 9014
PARALLEL AERODYNAMICS SIMULATION IN DISTRIBUTED EN VIRONMENTS
09/14/1999 - 08/31/2002 FY02: $0 Total: $194,961
Prin. Invest.: A T CHRONPOULOS
Tech. Officer: ARC/B J COLLINS, ARC/G S LEE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 6040 UNIV OF TEXAS AT SAN ANTONIO 9015
CHANGING THE PARADIGM; PREPARING STUDENTS FOR THE COMPUTING PROFESSION IN THE 21ST CENTURY
12/15/1999 - 02/28/2003 FY02: $0 Total: $190,713
Prin. Invest.: R F SINCOVEC
Tech. Officer: ARC/M J LEON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2297 UNIV OF TEXAS AT SAN ANTONIO 9016
PARTNERSHIP IN PROBABILISTIC STRUCTURAL ANALYSIS M ETHODS
10/05/1999 - 08/31/2002 FY02: $0 Total: $200,000
Prin. Invest.: R D MANTEUFEL
Tech. Officer: GRC/C CHAMIS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2671 UNIV OF TEXAS AT SAN ANTONIO 9017
THE DEVELOPMENT OF A DISLOCATION PATTERNING BASED SET OF RATE-DEPENDENT EVOLUTION LAWS FOR CREEP AND
12/06/2001 - 01/15/2005 FY02: $0 Total: $0
Prin. Invest.: D L BAGLEY
Tech. Officer: GRC/S RAJ
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 11741 UNIV OF TEXAS AT SAN ANTONIO 9018
PROYECTO ACCESS
02/13/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: M P BERRIOZABAL
Tech. Officer: GSFC/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1720 UNIV OF TEXAS AT SAN ANTONIO 9019
LATIN HYPERCUBE SAMPLING IN RELIABILITY ANALYSIS
06/07/2000 - 06/06/2003 FY02: $0 Total: $192,102
Prin. Invest.: R MANTUEFEL
Tech. Officer: MSFC/F SAFIE
CASE Category: 49 – ENGINEERING, OTHER

NAG 9 1301 UNIV OF TEXAS AT SAN ANTONIO 9020
TEXAS PREFRESHMAN ENGINEERING (TEXPREP) 2001
05/08/2001 - 08/28/2002 FY02: $0 Total: $198,000
Prin. Invest.: M P BERRIOZABAL
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 21 – MATHEMATICS

NAG 9 1403 UNIV OF TEXAS AT SAN ANTONIO 9021
TEXAS PREFRESHMAN ENGINEERING PROGRAM
05/30/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: M P BERRIOZABAL
Tech. Officer: JSC/L M ARMENDARIZ
CASE Category: 21 – MATHEMATICS

NAG 9 1382 UNIV OF TEXAS AT TYLER 9022
CFD ANALYSIS OF LASER-ABLATION CARBON NANOTUBE PRO DUCTION
09/17/2001 - 08/31/2002 FY02: $0 Total: $15,000
Prin. Invest.: R B GREENDYKE
Tech. Officer: JSC/C D SCOTT
CASE Category: 46 – MECHANICAL ENGR

NCC 5 465 UNIV OF THE INCARNATE WORD 9023
INTEGRATING MATH AND SCIENCE FOR PRE-SERVICE & IN- SERVICE PARTNERSHIPS
03/08/2000 - 02/28/2003 FY02: $0 Total: $280,180
Prin. Invest.: J BEAUFORD
Tech. Officer: GSFC/B WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

UTAH

NAG 4 215 BRIGHAM YOUNG UNIV 9024
ROBUST COMMAND LINKS FOR FLIGHT TERMINATION ROBUST COMMAND LINKS FOR FLIGHT TERMINATION
10/30/2000 - 07/31/2002 FY02: $0 Total: $72,034
Prin. Invest.: M D RICE
Tech. Officer: DFRC/R D SAKAHARA
CASE Category: 45 – ELECTRICAL ENGR

NAG 4 220 BRIGHAM YOUNG UNIV 9025
A PERFORMANCE STUDY OF EFTS IN THE PRESENCE OF INT ERFERENCE
02/11/2002 - 08/31/2002 FY02: $0 Total: $0
Prin. Invest.: M D RICE
Tech. Officer: DFRC/R D SAKAHARA
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 7711 BRIGHAM YOUNG UNIV 9026
FDG FOR 'GEOLOGIC AND ARCHAEOLOGIC APPLICATIONS OF HIGH-RESOLUTION SAR' PI:DAVID V. ARNOLD, SENH98
09/28/1998 - 09/30/2002 FY02: $0 Total: $374,778
Prin. Invest.: D V ARNOLD
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8746 BRIGHAM YOUNG UNIV 9027
POLAR ICE SHEET MONITORING FROM LONG TERM SCATTERO METER AND RADIOMETER OBSERVATIONS
08/18/1999 - 08/31/2002 FY02: $0 Total: $266,355
Prin. Invest.: D LONG
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9625 BRIGHAM YOUNG UNIV 9028
SCATTEROMETER CLIMATE RECORD PATHFINDER
05/23/2000 - 04/30/2003 FY02: $0 Total: $265,000
Prin. Invest.: D LONG
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9638 BRIGHAM YOUNG UNIV 9029
SYNERGISTIC USE OF TRMM AND SEAWINDS DATA
06/08/2000 - 11/30/2002 FY02: $0 Total: $64,583
Prin. Invest.: D G LONG
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 02005 BRIGHAM YOUNG UNIV 9030
NANOMATERIALS & STRUCTURES FOR NANO AND MICROPOWER APPLI-CATIONS
01/15/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: J N HARB, G D WATT, R C DAVIS
Tech. Officer: LARC/G C KING
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 2048 UNIV OF UTAH 9031
CLOUD SCALE NUMERICAL MODELING OF THE ARCTIC BOUND ARY LAYER
04/01/1998 - 06/30/2001 FY02: -$1 Total: $256,653
Prin. Invest.: S K KRUEGER
Tech. Officer: LARC/D S MCDOUGAL, LARC/J RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2083 UNIV OF UTAH 9032
FACILITY FOR ATMOSPHERIC REMOTE SENSING (FARS) CIRRUS MEASUREMENTS FOR FIRE III
06/30/1998 - 05/31/2001 FY02: $0 Total: $171,001
Prin. Invest.: K SASSON
Tech. Officer: LARC/V E DELNORE, LARC/J L RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2250 UNIV OF UTAH 9033
USING GRIOND-BASED MEASUREMENTS AND RETRIEVALS TO VALIDATE SATELLITE DATA
01/19/2000 - 10/31/2002 FY02: $0 Total: $134,028
Prin. Invest.: X DONG
Tech. Officer: LARC/P MINNIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2319 UNIV OF UTAH 9034
MOLECULAR DYNAMICS SIMULATIONS OF RANDOM IONOMERS AND NANOCOMPOSITES
07/14/2000 - 06/30/2003 FY02: $0 Total: $117,438
Prin. Invest.: G D SMITH, M A GLASSER
Tech. Officer: LARC/J A HINKLEY, LARC/T S GATES
CASE Category: 12 – CHEMISTRY

NAG 2 1444 UNIV OF UTAH 9035
THE UAV CIRRUS CLOUD MEASUREMENT PROGRAM: A PROPO SAL IN SUPPORT THE NASA ESE UAV
09/27/2000 - 12/31/2000 FY02: -$781 Total: $89,219
Prin. Invest.: G G MACE
Tech. Officer: ARC/S S WEGENER, ARC/R S HIPSKIN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 3 2403 UNIV OF UTAH 9036
SIMULATION OF COMBUSTION SYSTEMS WITH REALISTIC G- JITTER
04/26/2000 - 03/22/2003 FY02: $0 Total: $85,601
Prin. Invest.: D E MELL
Tech. Officer: GRC/H D ROSS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2548 UNIV OF UTAH 9037
SECONDARY FIRES: INITIATION & EXTINGUISHMENT SECONDARY FIRES: INITIATION & EXTINGUISHMENT
02/23/2001 - 11/30/2004 FY02: $0 Total: $30,001
Prin. Invest.: W MELL
Tech. Officer: GRC/H D ROSS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2624 UNIV OF UTAH 9038
A JOINT SIMULATION AND EXPERIMENTAL STUDY OF NANOC OMPOSITE SOLID POLYMERN ELECTROLYTES
05/25/2001 - 12/31/2003 FY02: $0 Total: $90,000
Prin. Invest.: G D SMITH
Tech. Officer: GRC/B MCKISSOCK
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 5 3902 UNIV OF UTAH 9039
ORBITING ARRAY OF WIDE-ANGLE LIGHT COLLECTORS (OWL ORBITING "EYES" TO STUDY AIR SHOWERS INITIATED BY
03/03/1997 - 02/28/2002 FY02: $0 Total: $120,646
Prin. Invest.: E C LOH
Tech. Officer: GSFC/L M BARBIER
CASE Category: 11 – ASTRONOMY

NAG 5 6458 UNIV OF UTAH 9040
CLOUD PROPERTY & SURFACE RADIATION OBSERVATIONS & DIAGNOSTICS IN SUPPORT OF EOS, CERES, MODIA &MISR
10/14/1997 - 03/31/2003 FY02: $0 Total: $1,735,394
Prin. Invest.: G MACE
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 7447 UNIV OF UTAH 9041
CONTINUED SUPPORT OF THE GCTE FOCUS 1 OFFICE (ECOS YSTEM PHYSIOLOGY)
06/19/1998 - 07/31/2002 FY02: $0 Total: $450,420
Prin. Invest.: J R EHLERINGER
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7871 UNIV OF UTAH 9042
THE GLACIER DYNAMICS AND MASS FLUX OF ANTARCTIC IC E STREAMS FROM RADARSAT INSAR
01/21/1999 - 12/31/2002 FY02: $0 Total: $146,060
Prin. Invest.: R FORESTER
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8277 UNIV OF UTAH 9043
ACCRETION ONTO SUPERMASSIVE BLACK HOLES: OBSERVAT IONAL SIGNALS FROM 3-D33-DIMENSION (ATP 98)
03/02/1999 - 02/28/2003 FY02: $0 Total: $109,239
Prin. Invest.: B C BROMLEY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8339 UNIV OF UTAH 9044
GLOBAL DISTRIBUTION OF LIGHTNING FROM THE DTD AND RELATE GLOBAL DISTRIBUTION OF MCSS FROM TH
04/26/1999 - 03/31/2001 FY02: $0 Total: $142,337
Prin. Invest.: E ZIPSER
Tech. Officer: GSFC/J C DODGE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8550 UNIV OF UTAH 9045
THE SPATIAL AND TEMPORAL CHARACTERISTICS OF HIGH LATITUDE SEASONAL SNOW MELT AS DETECTED BY PASSIVE
06/02/1999 - 05/31/2002 FY02: $0 Total: $128,886
Prin. Invest.: K JEZEK
Tech. Officer: GSFC/J C DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9717 UNIV OF UTAH 9046
VALIDATION AND TRANSFERABILITY OF TROPICAL LATENT HEATING ESTIMATES
06/21/2000 - 11/30/2002 FY02: $0 Total: $217,924
Prin. Invest.: E J ZIPSER
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10136 **UNIV OF UTAH** **9047**
SAR ANALYSIS OF THE WESTERN SAINT ELIAS OROGEN, ALASKA
12/04/2000 - 11/30/2003 FY02: $0 Total: $46,997
Prin. Invest.: R L BRUHN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10682 **UNIV OF UTAH** **9048**
REMOTE SENSING OF INTENSITY & ORGANIZATION OF CON- VECTION IN HURRICANES & TROPICAL CYCLONES BEFORE
05/10/2001 - 05/14/2004 FY02: $0 Total: $89,500
Prin. Invest.: E J ZIPSER
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11478 **UNIV OF UTAH** **9049**
CHARACTERIZATION OF THE ATMOSPHERIC PHYSICAL STATE GROUND SITE DATA COLLECTION, PROCESSING, & REDUCT
12/19/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: G MACE
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11503 **UNIV OF UTAH** **9050**
CRYSTAL-FACE: FIELD MEASUREMENT SUPPORT FROM THE FARS POLAR- IZATION DIVERSITY LIDAR AND 95 GHZ R
01/02/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: K SASSEN
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11504 **UNIV OF UTAH** **9051**
CLOUD-SCALE AND LARGE-SCALE MODELING OF TROPICAL A NVILS AND CIRRUS LAYERS
01/02/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: S K KRUEGER
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11505 **UNIV OF UTAH** **9052**
DIRECT MEASUREMENT OF THE OPTICAL PROPERTIES OF TR OPICAL CIRRUS CLOUDS
01/02/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: T J GARRETT
Tech. Officer: GSFC/D Q ANDESRON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11532 **UNIV OF UTAH** **9053**
CONNECTING THE PROPERTIES OF ANVIL CIRRUS TO THE P ROPERTIES OF THE CONVECTIVE SOURCE
01/03/2002 - 12/14/2003 FY02: $0 Total: $0
Prin. Invest.: E ZIPSER
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12080 **UNIV OF UTAH** **9054**
GCTE FOCUS 1 OFFICE: ECOSYSTEM PROCESSES IN BIOGE OCHEMICAL CYCLES
05/15/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: J EHLERINGER
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12230 **UNIV OF UTAH** **9055**
INFRARED SPECTROSCOPY OF COMETARY MOLECULES
05/30/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: J EHLERINGER
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12552 **UNIV OF UTAH** **9056**
A MULTI-SENSOR (MULTI-SCALE) APPROACH TO SNOWMELT DETECTION USING ACTIVE AND PASSIVE MICROWAVE
09/09/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: R FORSTER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1665 **UNIV OF UTAH** **9057**
NOVEL MICROSTRUTURES FOR POLYMER-LIQUID CRYSTAL CO COPOSITE MATERIALS
06/15/2000 - 11/30/2003 FY02: $0 Total: $154,500
Prin. Invest.: J J MAGDA
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1797 **UNIV OF UTAH** **9058**
INTENSITY & ORGANIZATION OF CONVECTION IN HURRI- CANES AND TROPICAL CYCLONES BEFORE & AFTER LANDFAL
03/07/2001 - 01/31/2002 FY02: $0 Total: $45,140
Prin. Invest.: E J ZIPSER
Tech. Officer: MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 00120 **UNIV OF UTAH** **9059**
MEASUREMENT OF THE ATMOSPHERIC UV NIGHTGLOW FROM A HIGH ALTITUDE BALLON (NIGHTGLOW).
02/01/2000 - 05/31/2002 FY02: $0 Total: $102,540
Prin. Invest.: E LOHBER, E LOH
Tech. Officer: GSFC/L BARBIER
CASE Category: 11 – ASTRONOMY

NCC 1 256 **UNIV OF UTAH** **9060**
DEVELOPMENT OF PREDICTIVE CAPABILITIES FOR DAMAGE TOLERANCE IN STITCHED COMPOSITE MATERIALS
05/01/1997 - 04/30/2001 FY02: $0 Total: $207,021
Prin. Invest.: D O ADAMS
Tech. Officer: LARC/J R REEDERS
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 2 5516 **UNIV OF UTAH** **9061**
SIMULATION STUDIES OF THE CONFORMATIONS AND DYNAMC IS OF A MODEL SINGLE STRANDED DNA MOLECULE IN AEQ
08/08/2002 - 08/14/2003 FY02: $0 Total: $0
Prin. Invest.: G SMITH
Tech. Officer: ARC/R JAFFE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 5 297 **UNIV OF UTAH** **9062**
CARBON AND OXYGEN ISOTOPE RATIO CO2 FLUX ANALYSES AT THE SOIL, CANOPY, AND LANDSCAPE SCALES
06/16/1998 - 12/31/2002 FY02: $0 Total: $855,598
Prin. Invest.: J EHLERINGER
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30184 UNIV OF UTAH 9063
IMPLICATIONS OF ARCTIC WARMING AS DETERMINED BY SNOWMELT ONSET DATES OBSERVED WITH REMOTELY SENSE
08/19/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: R R FORSTER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30202 UNIV OF UTAH 9064
THE O OF ATMOSPHERIC CO2: SEEING THE GRASSLAND THROUGH THE BLADES/STUDENT: BRENT HELLIKER
08/19/1999 - 08/31/2001 FY02: $0 Total: $44,000
Prin. Invest.: J R EHLERINGER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30398 UNIV OF UTAH 9065
RETRIEVAL OF CIRRUS CLOUD MICROPHYSICAL PARAMETERS AND ANALYSIS OF THE RELATIONSHIP BETWEEN PROPERT
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: G MACE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30423 UNIV OF UTAH 9066
PRECIPITATION FEATURES ACCORDING TO TRMM: DIURNAL CYCLE AND EVALUATION OF RAINFALL PRODUCTS (STUDE
09/07/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: E SIPZER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40101 UNIV OF UTAH 9067
ROCKY MOUNTAIN UTAH SPACE GRANT COLL AND FELLOW SHIP PROGRAM
03/01/2001 - 01/31/2005 FY02: $0 Total: $431,250
Prin. Invest.: W WESTENSKOW
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50410 UNIV OF UTAH 9068
EFFECTS OF EXERCISE WITH AND WITHOUT WEIGHT BEARIN G ON BONE STRENGTH ANDARCHITECTURE. STUDENT: SA
07/29/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: S MILLER
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 4469 UTAH STATE UNIV 9069
SATELLITE STUDIES OF STORM TIME MID- AND LOW-LATIT ODYNAMICS
05/21/1997 - 09/30/2001 FY02: $0 Total: $309,200
Prin. Invest.: D G FEJER
Tech. Officer: GSFC/M M MELLOTT
CASE Category: 13 – PHYSICS

NAG 5 5187 UTAH STATE UNIV 9070
CODA - COUPLING OF DYNAMICS AND AURORA FUNDING FOR FIRST YEAR OF GRANT
03/30/1998 - 03/31/2003 FY02: $0 Total: $411,231
Prin. Invest.: C M SWENSON
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5189 UTAH STATE UNIV 9071
A ROCKET INVESTIGATION OF ELECTRON DENSITY STRUCTURE, E-FIELDS AND AEROSOLS DURING PMSE AND N
03/27/1998 - 09/30/2003 FY02: $0 Total: $419,648
Prin. Invest.: J C ULWICK
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5245 UTAH STATE UNIV 9072
FIRST YEAR OF A THREE YEAR GRANT NAG5-5245 PI DR. JAMES C. ULWICK
03/29/1999 - 09/30/2002 FY02: $0 Total: $390,470
Prin. Invest.: J C ULWICK
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5258 UTAH STATE UNIV 9073
FIRST YEAR OF THREE YEAR EFFORT/ ROCKET INVESTIGATION OF WINDS ASSOCIATED W/E-REGION
04/11/2000 - 03/23/2003 FY02: $0 Total: $147,900
Prin. Invest.: C M SWENSON
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5293 UTAH STATE UNIV 9074
IONOSPHERIC NANOSATELLITE FORMATION (ION-F) IONOSPHERIC NANOSATELLITE FORMATION (ION-F)
05/23/2000 - 05/17/2003 FY02: $0 Total: $317,170
Prin. Invest.: B G FEJER
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5374 UTAH STATE UNIV 9075
ROCKET INVESTIGATION OF SCATTERING LAYERS IN THE B OTTOMSIDE EQUATORIAL FREGION IONOSPHERE
06/19/2002 - 06/10/2005 FY02: $0 Total: $0
Prin. Invest.: C SWENSON
Tech. Officer: WFF/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 7597 UTAH STATE UNIV 9076
SNOW HYDROLOGY: THE PARAMETERIZATION OF SUBGRID PR OCESSES WITHIN A PHYSICALLY BASED SNOW ENERG
07/21/1998 - 07/14/2002 FY02: $0 Total: $163,240
Prin. Invest.: D G TARBOTON
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 8227 UTAH STATE UNIV 9077
"THE FLOW OF PLASMA IN THE SOLAR TERRESTRIAL ENVI RONMENT".
02/24/1999 - 03/31/2002 FY02: $0 Total: $838,470
Prin. Invest.: R W SCHUNK
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 11 – ASTRONOMY

NAG 5 8638 UTAH STATE UNIV 9078
PLASMAPAUSE AND ITS ENVIRONMENT: A PROPOSAL FOR COOPERATIVE STUDIES
08/11/1999 - 01/31/2003 FY02: $0 Total: $70,500
Prin. Invest.: B G FEJER
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 9290 **UTAH STATE UNIV** **9079**
ION-F: A SPACE-BASED TESTBED FOR DISTRIBUTED FORMA TION CONTROL USING THE USUSAT NANOSATELLITE
03/17/2000 - 03/31/2004 FY02: $0 Total: $47,000
Prin. Invest.: R FULLMER
Tech. Officer: GSFC/K LUU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10215 **UTAH STATE UNIV** **9080**
SATELLITE STUDIES OF STORM-TIME THERMOSPHERIC WIND S
01/05/2001 - 01/14/2004 FY02: $0 Total: $81,000
Prin. Invest.: B G FEJER
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10716 **UTAH STATE UNIV** **9081**
MULTIPLIERLESS FILTERS FOR REAL-TIME PROCESSING OF HYPERSPECTRAL IMAGES
04/10/2001 - 04/30/2004 FY02: $0 Total: $62,000
Prin. Invest.: T BOSE
Tech. Officer: GSFC/P E HUNTER
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 11282 **UTAH STATE UNIV** **9082**
USING REMOTE SENSING & IN SITU NETWORK OBSERVATION TO EVALUATE & IMPROVE THE PERFORMANCE OF
08/17/2001 - 08/31/2004 FY02: $0 Total: $82,344
Prin. Invest.: M WHITE
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11673 **UTAH STATE UNIV** **9083**
IMPACT OF FIELD SCALE HETEROGENEITY IN SURFACE MOISTURE & VEGETATION COVER ON REGIONAL SCALE
01/30/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: C NEALE
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11687 **UTAH STATE UNIV** **9084**
"IMPACT OF FIELD-SCALE HETEROGENEITY IN SURFACE MO ISTURE AND VEGETATION COVER ON REGIONAL-SCALE FLU
02/12/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: L HIPPS
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11880 **UTAH STATE UNIV** **9085**
THE FLOW OF PLASMA IN THE SOLAR TERRESTRIAL ENVIRO NMENT
03/20/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: R W SCHUNK
Tech. Officer: GSFC/J M GREBOWSKY
CASE Category: 13 – PHYSICS

NAG 5 12117 **UTAH STATE UNIV** **9086**
VISUALIZATION OF SPACE-TIME AMBIGUITIES TO BE EXPLORED BY NASA GEC MISSION WITH A CRITIQUE OF
04/29/2002 - 04/30/2003 FY02: $0 Total: $0
Prin. Invest.: J J SOJKA
Tech. Officer: GSFC/P BUCHANAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12170 **UTAH STATE UNIV** **9087**
I-M COULPING ALONG AURORAL FILED LINES: MASS AND ENERGY EXCHANGE BETWEEN HOT MAGNETOSPHERIC A
05/09/2002 - 05/14/2005 FY02: $0 Total: $0
Prin. Invest.: A R BARAKAT
Tech. Officer: GSFC/J SPANN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1750 **UTAH STATE UNIV** **9088**
EXTENSION OF ATLANTA/HOUSTON URBAN HEAT ISLAND STUDIES USING ASTER IMAGERY
11/13/2000 - 11/19/2002 FY02: $0 Total: $11,573
Prin. Invest.: R GILES
Tech. Officer: MSFC/D QUATTROCHI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 9 999 **UTAH STATE UNIV** **9089**
CROP OTIMIZATION AND FAILURE ANALYSIS USING CO2
04/25/1998 - 09/24/2002 FY02: $0 Total: $619,240
Prin. Invest.: B G BUGBEE, L R JOHNSON
Tech. Officer: KSC/R M WHEELER
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 9 1237 **UTAH STATE UNIV** **9090**
CO2 GAS EXCHANGE TO DETERMINE THE FACTGORS CONTROL LING RESPIRATION & CARBON USE IN CROP PLANTS
06/16/2000 - 07/01/2003 FY02: $0 Total: $42,275
Prin. Invest.: B BUGBEE
Tech. Officer: JSC/D BARTA
CASE Category: 55 – AGRICULTURE

NAG 9 1284 **UTAH STATE UNIV** **9091**
OPTIMIZATION OF ROOT ZONE SUNSTRATES FOR REDUCED GRAVITY EXPERIEMENTS
02/22/2001 - 02/21/2005 FY02: $0 Total: $95,000
Prin. Invest.: G BINGHAM
Tech. Officer: JSC/K DAUES
CASE Category: 56 – MEDICL

NAG 9 1397 **UTAH STATE UNIV** **9092**
ETHYLENE SYNTHESIS & SENSITIVITY IN SALAD CROPS
02/20/2002 - 02/19/2005 FY02: $0 Total: $0
Prin. Invest.: B G BUGBEE
Tech. Officer: JSC/K DAUES
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 02058 **UTAH STATE UNIV** **9093**
DEVELOPMENT OF INTERMOUNTAIN REGION DIGITAL IMAGE PROCESSING AND ARCHIVE CENTER FOR LANDSCAPE
09/27/2002 - 03/26/2004 FY02: $0 Total: $0
Prin. Invest.: D RAMSEY
Tech. Officer: SSC/T FRISBLE
CASE Category: 55 – AGRICULTURE

NAS 1 00071 **UTAH STATE UNIV** **9094**
SENSOR MODULE DEVELOPMENT AND SUPPORT FOR GIFTS
06/19/2000 - 03/19/2007 FY02: $783,750 Total: $10,097,300
Prin. Invest.: G BINGHAM, W SMITH
Tech. Officer: LARC/W A ROETTKER, LARC/J B MILLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 02053 UTAH STATE UNIV 9095
FAR-INFRARED SPECTROSCOPY OF THE TROPOSPHERE (FIRST) FOURIER TRANSFORM SPECTROMETER
07/22/2002 - 07/21/2005 FY02: $0 Total: $0
Prin. Invest.: G E BINGHAM
Tech. Officer: LARC/G JOHNSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 20467 UTAH STATE UNIV 9096
SOUNDING OF THE ATMOSPHERE USING BROADBAND EMISSION RADIOM- ETRY (SABER) INSTRUMENT
03/28/1995 - 03/31/2002 FY02: $0 Total: $17,051,680
Prin. Invest.: J ULWICK, D J BAKER, R ESPLIN
Tech. Officer: LARC/M D VANEK, LARC/T C DENKINS
CASE Category: 42 – ASTRONAUTICAL ENGR

NAS 8 02031 UTAH STATE UNIV 9097
R&D SERVICES NRA 8-31; MEASUREMENT OF CHARGE STOR- AGE DECAY TIME AND RESISTIVITY OF SPACECRAFT INSU
02/20/2002 - 02/19/2003 FY02: $0 Total: $0
Prin. Invest.: J R DENNISON, R FREDRICKSON, W HANSEN
Tech. Officer: MSFC/D HARDAGE
CASE Category: 13 – PHYSICS

NAS 8 98221 UTAH STATE UNIV 9098
ELECTRONIC PROPERTIES OF MATERIALS WITH APPLICATION TO SPACE- CRAFT CHARGING
06/18/1998 - 12/31/2002 FY02: $0 Total: $331,736
Prin. Invest.: J R DENNISON
Tech. Officer: MSFC/S PEARSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 9 02002 UTAH STATE UNIV 9099
FLOATING POTENTIAL MEASUREMENT UNIT
10/30/2001 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: C SWANSON
Tech. Officer: JSC/M A EDEN
CASE Category: 42 – ASTRONAUTICAL ENGR

NCC 2 5466 UTAH STATE UNIV 9100
FLOUROMETRIC DETECTION OF MICROORGANISMS ON STERLI ZED SUR- FACES
09/26/2001 - 09/14/2003 FY02: $0 Total: $60,570
Prin. Invest.: L S POWERS
Tech. Officer: ARC/C P MCKAY, ARC/B F SMITH
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 2 5514 UTAH STATE UNIV 9101
MEDUSA SEA FLOOR MONITORING SYSTEM II
08/06/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: L POWERS
Tech. Officer: ARC/M FLYNN
CASE Category: 33 – OCEANOGRAPHY

NCC 5 219 UTAH STATE UNIV 9102
HOLOGRAPHIC LIDAR CONCEPTS AND APPLICATIONS
08/19/1997 - 10/31/2001 FY02: $0 Total: $79,520
Prin. Invest.: T D WILKERSON
Tech. Officer: GSFC/G SCHWEMMER
CASE Category: 11 – ASTRONOMY

NCC 5 598 UTAH STATE UNIV 9103
HOLOGRAPHIC LIDAR CONCEPTS AND APPLICATIONS
10/10/2001 - 10/14/2004 FY02: $39,831 Total: $39,831
Prin. Invest.: T D WILKERSON
Tech. Officer: GSFC/G SCHWEMMER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 8 162 UTAH STATE UNIV 9104
ANALYSIS OF SPATIAL AND TEMPORAL VARIABILITY OF THE WARM SEASON LAND SURFACE ENERGY BUDGET
11/02/1998 - 04/30/2002 FY02: $0 Total: $75,115
Prin. Invest.: R R GILLIES
Tech. Officer: MSFC/W LAPENTA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC13 00005 UTAH STATE UNIV 9105
AFFILIATED RESEARCH CENTER PROGRAM SAME
03/06/2000 - 03/05/2005 FY02: $0 Total: $365,666
Prin. Invest.: R D RAMSEY, D BAKER, C HALL
Tech. Officer: SSC/A PEEK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC13 02001 UTAH STATE UNIV 9106
VALIDATION AND APPLICATION OF GEOSPATICAL INFORMA- TION FOR EARLY DECTECTION OF STRESS IN WHEAT
01/07/2002 - 01/06/2005 FY02: $0 Total: $0
Prin. Invest.: T HAMMOND
Tech. Officer: SSC/D RISEN
CASE Category: 56 – MEDICL

NGT 5 142 UTAH STATE UNIV 9107
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF HIGH LATITUDE OUTFLOW, FORIONS AND NEUTRALS, GSRP TRA
07/18/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: R W SCHUNK
Tech. Officer: GSFC/M S BURRELL
CASE Category: 13 – PHYSICS

NGT 5 40047 UTAH STATE UNIV 9108
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM
02/11/1997 - 08/31/2002 FY02: $0 Total: $1,354,372
Prin. Invest.: D BAKER
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50398 UTAH STATE UNIV 9109
NOVEL ALGORITHMS FOR IMAGE RESTORATION
06/13/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: T BOSE
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52866 UTAH STATE UNIV 9110
MONITORING OZONE CONCENTRATIONS AND INJURY IN HIGH ELEVATION DOUGLAS FIR NEAR SALT LAKE CITY
07/24/1998 - 08/22/2003 FY02: $0 Total: $44,000
Prin. Invest.: F BAKER
Tech. Officer: MSFC/J F DOWDY
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 8 52885 **UTAH STATE UNIV** **9111**
EXPERIMENTAL STUDY OF THE SECONDARY ELECTRON EMISSION
06/22/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: J DENNISON
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 13 – PHYSICS

NGT10 52617 **UTAH STATE UNIV** **9112**
PLANT RESIDE DEGRADATION PRODUCTS IN REGENERATIVE LIFE SUP- PORT SYSTEMS
07/14/1998 - 12/01/2001 FY02: $0 Total: $73,500
Prin. Invest.: P GROSSEL
Tech. Officer: KSC/R WHEELER
CASE Category: 59 – LIFE SCIENCE, OTHER

NGT10 52631 **UTAH STATE UNIV** **9113**
GSRP STRESS SIGNALING IN RESPONSE TO HYPOXIA
07/30/2001 - 12/31/2002 FY02: $22,000 Total: $22,000
Prin. Invest.: D DEWALD
Tech. Officer: KSC/R M WHEELER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

VERMONT

NAG 5 8020 **MIDDLEBURY COLL** **9114**
SN 1006: PROBING THE SYNCHROTRON ORIGIN OF THE X- RAYS AND MEASURING PROPER MOTIONS _ADP98
01/06/1999 - 12/31/2001 FY02: $0 Total: $39,632
Prin. Invest.: P WINKLER
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 9733 **MIDDLEBURY COLL** **9115**
ENERGETICS & INITIATION OF CORONAL MASS EJECTIONS
06/30/2000 - 06/30/2003 FY02: $0 Total: $56,328
Prin. Invest.: R WOLFSON
Tech. Officer: GSFC/W J WAGNER
CASE Category: 13 – PHYSICS

NAG 5 10463 **UNIV OF VERMONT** **9116**
CORE FORMATION UNDER DYNAMIC CONDITIONS: AN EXPERI MENTAL DEFORMATION INVESTIGATION
02/27/2001 - 02/28/2004 FY02: $0 Total: $40,000
Prin. Invest.: T RUCHMER
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NCC 2 5399 **UNIV OF VERMONT** **9117**
LAND COVER MAPPING IN NORTHERN ECOSYSTEMS USING AD EOS/POLDER
09/18/2000 - 03/31/2002 FY02: $0 Total: $30,000
Prin. Invest.: G P LIVINGSTON
Tech. Officer: ARC/V C VANDERBILT, ARC/E P CONDON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 394 **UNIV OF VERMONT** **9118**
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/13/1999 - 11/01/2001 FY02: $0 Total: $450,000
Prin. Invest.: W LAKIN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 581 **UNIV OF VERMONT** **9119**
VERMONT NASA EPSCOR PROGRAM
08/15/2001 - 07/31/2004 FY02: $0 Total: $125,000
Prin. Invest.: W D LAKIN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40045 **UNIV OF VERMONT** **9120**
NATIONAL SPACE GRANT COLL AND FELLOWSHIP PROGRA
01/24/1997 - 02/28/2001 FY02: $0 Total: $973,750
Prin. Invest.: W D LAKIN
Tech. Officer: HQ/J DASCH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40110 **UNIV OF VERMONT** **9121**
VERMOUNT SPACE GRANT COLL & FELLOWSHIP PROGRAM
03/02/2001 - 02/28/2005 FY02: $0 Total: $256,250
Prin. Invest.: W LAKIN
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

VIRGINIA

NAG 1 2219 **CHRISTOPHER NEWPORT UNIV** **9122**
TECHNOLOGY DEVELOPMENT IMPLEMENTATION, AND ASSESS- MENT: K-16 PRE-SERVICE, IN-SERVICE, AND DISTANCE
08/20/1999 - 07/31/2002 FY02: $0 Total: $1,112,468
Prin. Invest.: R CATON
Tech. Officer: LARC/T E PINELLI, LARC/R A HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2284 **CHRISTOPHER NEWPORT UNIV** **9123**
AN EXPERIMENT IN EDUCATIONAL TECHNOLOGY-EVALUATING A CYBER-BASED MODEL FOR LEARNING
03/28/2000 - 12/15/2001 FY02: $0 Total: $88,000
Prin. Invest.: L LAMBERT
Tech. Officer: LARC/D BUSHNELL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01070 **CHRISTOPHER NEWPORT UNIV** **9124**
LOW TEMP SUPERCONDUCTING QUANTUM INTERFERENCE (SQUID) NON-DESTRUCTIVE EVALUATION (NDE) APPLIC'S
06/01/2001 - 11/30/2002 FY02: $0 Total: $30,070
Prin. Invest.: R SELIM
Tech. Officer: LARC/M NAMKUNG
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02055 **CHRISTOPHER NEWPORT UNIV** **9125**
LOW TEMPERATURE SQUID FOR NDE APPLICATIONS
02/15/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: R SELIM
Tech. Officer: LARC/R A WINCHESKI
CASE Category: 13 – PHYSICS

NAG 5 6503 **CHRISTOPHER NEWPORT UNIV** **9126**
VALIDATION OF MSMT. OF POLLUTION IN THE TROPOSPHER E (MOPITT) EXPERIMENT BY GROUND-BASED INFRARED SO
10/29/1997 - 09/30/2002 FY02: $0 Total: $496,543
Prin. Invest.: N POUGATCHEV
Tech. Officer: GSFC/D STARR
CASE Category: 11 – ASTRONOMY

NCC 1 01028 CHRISTOPHER NEWPORT UNIV 9127
THEORETICAL AND COMPUTIONAL DEVELOPMENT OF A GALACTIC COSMIC RAY (GCR) BOUNDARY CONDITION MODEL
03/08/2001 - 01/31/2004 FY02: $0 Total: $92,586
Prin. Invest.: K CHANG
Tech. Officer: LARC/R C SINGLETERRY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02018 CHRISTOPHER NEWPORT UNIV 9128
ANALYSIS OF MULTIPLATFORM CO (CARBON MONOXIDE) MEASUREMENTS DURING TRACE-P MISSION
03/21/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: N S POUGATCHEV
Tech. Officer: LARC/G W SACHSE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 02021 CHRISTOPHER NEWPORT UNIV 9129
SYNTHESIS OF CARBON NANOTUBES USING TEMPLATING TECHNIQUE
04/08/2002 - 04/07/2003 FY02: $0 Total: $0
Prin. Invest.: T M ABDEL-FATTAH
Tech. Officer: LARC/E J SIOCHI
CASE Category: 12 – CHEMISTRY

NCC 1 02039 CHRISTOPHER NEWPORT UNIV 9130
DISTANCE LEARNING TECHNOLOGY/SCIENCE MATH ENGINEERING AND TECHNOLOGY EDUCATION (SMET)
07/25/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: R A CANTON, M SPRAGUE
Tech. Officer: LARC/T E PINELLI
CASE Category: 22 – COMPUTER SCIENCE

NCC 1 02041 CHRISTOPHER NEWPORT UNIV 9131
AEROSPACE VEHICLE SYSTEMS TECHNOLOGY OFFICE EDUCAT IONAL OUTREACH
08/08/2002 - 08/07/2003 FY02: $0 Total: $0
Prin. Invest.: E B WARD
Tech. Officer: LARC/R R ANTCLIFF
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02042 CHRISTOPHER NEWPORT UNIV 9132
PROJECT PRIME TIME
07/17/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: B H BARTELS
Tech. Officer: LARC/J M SEATON
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 435 CHRISTOPHER NEWPORT UNIV 9133
THE NASA WHY FILES, PROBLEM-BASED LEARNING INTEGRA TING BROADCAST VIDEO AND THE INTERNET.
09/24/1999 - 09/30/2002 FY02: $0 Total: $244,396
Prin. Invest.: D B CATON
Tech. Officer: GSFC/D GABRYS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2168 COLL OF WILLIAM AND MARY 9134
AN ADVANCED HIERARCHICAL HYBRID ENVIRONMENT FOR RELIABILITY AND PERFORMANCE MODELING
03/24/1999 - 02/28/2003 FY02: $0 Total: $302,429
Prin. Invest.: G CIARDO
Tech. Officer: LARC/P W GOODE
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 2271 COLL OF WILLIAM AND MARY 9135
A UNIFORM ONTOLOGY FOR SOFTWARE INTERFACES
03/21/2000 - 02/28/2002 FY02: $0 Total: $44,752
Prin. Invest.: S FEYOCK
Tech. Officer: LARC/P C SCHUTTE
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 1 2314 COLL OF WILLIAM AND MARY 9136
PREPARATION AND CHARACTERIZATION OF POLYIMIDE NANOCOMPOSITES
06/26/2000 - 06/14/2002 FY02: $0 Total: $17,495
Prin. Invest.: R A ORWOLL
Tech. Officer: LARC/J W CONNELL, LARC/J G SMITH
CASE Category: 12 – CHEMISTRY

NAG 1 2320 COLL OF WILLIAM AND MARY 9137
BELL-CURVE BASED EVOLUTIONARY STRATEGIES FOR STRUCTURAL OPTIMIZATION
07/07/2000 - 07/31/2001 FY02: $0 Total: $42,245
Prin. Invest.: R K KINCAID
Tech. Officer: LARC/J SOBIESKI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01107 COLL OF WILLIAM AND MARY 9138
PREPARATION AND CHARACTERIZATION OF POLYIMIDE NANOCOMPOSITES
07/09/2001 - 06/14/2003 FY02: $0 Total: $2,920
Prin. Invest.: R A ORWOLL
Tech. Officer: LARC/J W CONNELL
CASE Category: 12 – CHEMISTRY

NAG 1 02095 COLL OF WILLIAM AND MARY 9139
FORMAL VERIFICATION OF SAFETY PROPERTIES FOR AERO- SPACE SYSTEMS THROUGH ALGORITHMS BASED ON
05/09/2002 - 10/08/2003 FY02: $0 Total: $0
Prin. Invest.: G CIARDO
Tech. Officer: LARC/B L DIVITO
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 02109 COLL OF WILLIAM AND MARY 9140
POLYMIDE-CLAY COMPOSITE MATERIALS FOR SPACE APPLIC ATION
08/07/2002 - 06/06/2003 FY02: $0 Total: $0
Prin. Invest.: R A ORWOLL
Tech. Officer: LARC/J W CONNELL, LARC/J G SMITH
CASE Category: 12 – CHEMISTRY

NAS 1 00146 COLL OF WILLIAM AND MARY 9141
SPECTROSCOPIC RESEARCH AND ANALYSES OF SAGE III DATA PRODUCTS
01/19/2001 - 01/18/2006 FY02: $0 Total: $101,000
Prin. Invest.: D BRENNER
Tech. Officer: LARC/W CHU
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 327 COLL OF WILLIAM AND MARY 9142
PREDICTION FOR RADIATION SHIELDING MATERIALS
01/27/1999 - 12/18/2002 FY02: $0 Total: $294,189
Prin. Invest.: R L KIEFER
Tech. Officer: LARC/S A THIBEAULT
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 1 356 COLL OF WILLIAM AND MARY 9143
CYBER SIMULATION FOR COMPOSITE MAT'LS & STRUCTURES IN AERONAUTICS AND AEROSPACE
09/28/1999 - 09/30/2002 FY02: $0 Total: $324,060
Prin. Invest.: D M MANOS, R B PIPES
Tech. Officer: LARC/J H STARNES, JR.
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 390 COLL OF WILLIAM AND MARY 9144
HIGH RESOLUTION SPECTROSCOPY TO SUPPORT ATMOS- PHERIC MEASUREMENTS
03/29/2000 - 03/31/2003 FY02: $0 Total: $292,100
Prin. Invest.: D C BENNER, M D VENKATARAMAN
Tech. Officer: LARC/M H SMITH
CASE Category: 13 – PHYSICS

NCC 1 01030 COLL OF WILLIAM AND MARY 9145
DEV & APPLIC NON-LINEAR IMAGE ENHANCEMENT & MULTI- SENSOR FUSION TECHNIQ'S HAZY/DARK IMAG'G CONDITIO
03/06/2001 - 02/08/2004 FY02: $0 Total: $100,000
Prin. Invest.: Z RAHMAD
Tech. Officer: LARC/D J JOBSON, LARC/S D HARRAH
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01056 COLL OF WILLIAM AND MARY 9146
LARGE SCALE PRODUCTION OF CARBON NANOTUBES USING THE JEFFERSON LAB FREE ELECTRON LASER
07/25/2001 - 07/24/2003 FY02: $0 Total: $60,000
Prin. Invest.: B C HOLLOWAY
Tech. Officer: LARC/M W SMITH
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 02029 COLL OF WILLIAM AND MARY 9147
ROBUST TECHNIQUES FOR MULTIDISCIPLINARY DESIGN OPT IMIZATION PROBLEM SYNTHESIS AND SOLUTION
05/16/2002 - 05/15/2003 FY02: $0 Total: $0
Prin. Invest.: R M LEWIS
Tech. Officer: LARC/N M ALEXANDROV
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02032 COLL OF WILLIAM AND MARY 9148
MATERIALS FOR RADIATION SHIELDING AND DURABILITY I N THE SPACE ENVIRONMENT
06/21/2002 - 06/20/2005 FY02: $0 Total: $0
Prin. Invest.: R L KIEFER
Tech. Officer: LARC/S A THIBEAULT
CASE Category: 13 – PHYSICS

NGT 1 01008 COLL OF WILLIAM AND MARY 9149
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/04/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: N M ALEXANDROV, V TORCZON
Tech. Officer: LARC/R HATHAWAY
CASE Category: 22 – COMPUTER SCIENCE

NGT 1 01010 COLL OF WILLIAM AND MARY 9150
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/04/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: M HINDERS
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52180 COLL OF WILLIAM AND MARY 9151
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
01/12/1998 - 12/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: J S BOGHOSIAN
Tech. Officer: LARC/P H JOHNSTON
CASE Category: 13 – PHYSICS

NGT 1 52200 COLL OF WILLIAM AND MARY 9152
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
07/21/1998 - 08/31/2002 FY02: $0 Total: $78,000
Prin. Invest.: R A ORWOLL
Tech. Officer: LARC/J W CONNELL, LARC/J A HINKLEY
CASE Category: 47 – METAL & MATERIALS ENGR

NGT 1 52204 COLL OF WILLIAM AND MARY 9153
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
09/04/1998 - 08/31/2002 FY02: $0 Total: $82,000
Prin. Invest.: M HINDERS
Tech. Officer: LARC/T E PINELLI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2258 GEORGE MASON UNIV 9154
INVENTIVE DESIGN: AN EVOLUTIONARY COMPUTATION APPROACH
01/05/2000 - 08/31/2001 FY02: $0 Total: $133,999
Prin. Invest.: T ARCISZEWSKI, D A SCHUM, K DEJONG
Tech. Officer: LARC/J J REHDER
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 2316 GEORGE MASON UNIV 9155
MIDDLE ATMOSPHERIC HYDROGEN PHOTOCHEMISTRY
06/23/2000 - 06/22/2001 FY02: $0 Total: $32,001
Prin. Invest.: M SUMMERS
Tech. Officer: LARC/G MADDREA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01030 GEORGE MASON UNIV 9156
INVENTIVE DESIGN: AN EVOLUTIONARY COMPUTATION APPROACH
03/09/2001 - 09/30/2004 FY02: $0 Total: $179,069
Prin. Invest.: T ARCISZEWSKI, K D JONG
Tech. Officer: LARC/J J RENDER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 2 1289 GEORGE MASON UNIV 9157
ABATEMENT OF AUTOMATION ERRORS BY TRAINING BASED O N COGNITIVE MODELS
02/01/1999 - 09/30/2002 FY02: $0 Total: $279,804
Prin. Invest.: D B DAVIS, P A IKOMI, R W HOLT
Tech. Officer: ARC/S M CASNER
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 2 1565 GEORGE MASON UNIV 9158
AN EFFICIENT AIR TRAFFIC MANAGEMENT MODEL FOR EVAL UATION OF COMPLEX BEHAVIOR AND IV & V SUPPORT OF
06/10/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: G DONOHUE, C H CHEN
Tech. Officer: ARC/K ROTH, ARC/K D JAMES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 8834 GEORGE MASON UNIV 9159
THE REDSHIFT DEPENDENCE OF THE INTERACTION- ACTIVITY CONNECTION AMONG ULTRALUMIOUS STARBURST
11/18/1999 - 09/30/2002 FY02: $0 Total: $58,845
Prin. Invest.: J WALLIN
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 9636 GEORGE MASON UNIV 9160
CONTINUOUS PRECIPITATION ESTIMATES FROM TRMM & MESOSCALE MODELS
05/25/2000 - 01/31/2002 FY02: $0 Total: $82,901
Prin. Invest.: L CHIU
Tech. Officer: GSFC/J A WEINMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9669 GEORGE MASON UNIV 9161
HYDROGEN CHEMISTRY IN THE POLAR MESOSPHERE
06/22/2000 - 06/30/2002 FY02: $0 Total: $193,100
Prin. Invest.: M E SUMMERS
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9781 GEORGE MASON UNIV 9162
PROBLEM SOLVING ON LOOSELY COUPLED SYSTEM
07/07/2000 - 07/14/2003 FY02: $0 Total: $62,283
Prin. Invest.: P Y WANG
Tech. Officer: GSFC/J DORBAND
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10038 GEORGE MASON UNIV 9163
LOW-LUMINOSITY NUCLEAR ACCRETION IN NGC 4261 & NGC 6251
09/27/2000 - 09/30/2003 FY02: $0 Total: $38,518
Prin. Invest.: R M SAMBRUNA
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10073 GEORGE MASON UNIV 9164
HIGH-ENERGY ABSORPTION IN BLAZARS: PROBING THE INN ER JET ENVIRONMENT (ADP 98)
10/30/2000 - 06/30/2003 FY02: $0 Total: $70,923
Prin. Invest.: R M SAMBRUNA
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10177 GEORGE MASON UNIV 9165
A PROTOTYPE CLUSTERING TECHNIQUE FOR DATA MINING & KNOWLEDGE DISCOVERY BASED ON A DATA PYRAMID MODE
01/04/2001 - 06/14/2002 FY02: $0 Total: $132,000
Prin. Invest.: D KAFATOS
Tech. Officer: GSFC/K L MOE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 10243 GEORGE MASON UNIV 9166
CONSTRAINING THE STRUCTURE OF THE CENTRAL ENGINE OF RADIO-LOUD AGN ADP99
01/17/2001 - 09/14/2002 FY02: $0 Total: $28,219
Prin. Invest.: R M SAMBRUNA
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10244 GEORGE MASON UNIV 9167
INTENSIVE RXTE MONITORING OF THE TEV BLAZAR MRK501 (ADP 99)
01/18/2001 - 01/31/2003 FY02: $0 Total: $23,678
Prin. Invest.: R M SAMBRUNA
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10708 GEORGE MASON UNIV 9168
STRUCTURE OF THE ACCRETION FLOW IN RADIO-LOUD AGN
04/23/2001 - 10/31/2002 FY02: $0 Total: $104,959
Prin. Invest.: R M SAMBRUNA
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10776 GEORGE MASON UNIV 9169
COBE/DIRBE DATA AND THE ZODIACAL CLOUD (ADP 2000)
04/26/2001 - 04/30/2003 FY02: $0 Total: $121,000
Prin. Invest.: L OZNEROY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 10879 GEORGE MASON UNIV 9170
ANALYSES OF RAIN RATE PARAMETERS DERIVED FROM TMI: CONDITIONAL RAIN RATE AND RAIN FRACTIONS
05/10/2001 - 09/14/2002 FY02: $0 Total: $25,162
Prin. Invest.: L CHIU
Tech. Officer: GSFC/A T CHANG
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11346 GEORGE MASON UNIV 9171
SATELLITE MICROWAVE ESTIMATES OF OCEANIC RAINFALL AND SNOW OVER LAND
09/13/2001 - 09/14/2003 FY02: $0 Total: $110,158
Prin. Invest.: L CHIU
Tech. Officer: GSFC/A T CHANG
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11432 GEORGE MASON UNIV 9172
PROBING THE NUCLEI OF IR LUMINOUS GALAXIES: THE GENESIS, NATURE, & EVOLUTION OF THEIR NUCLEAR ACT
11/30/2001 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: S SATYAPAL
Tech. Officer: GSFC/H HASSAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11874 GEORGE MASON UNIV 9173
OBSERVATIONAL STUDY ON INITIATION AND ACCELERATION OF CORONAL MASS EJECTIONS
03/15/2002 - 03/14/2004 FY02: $0 Total: $0
Prin. Invest.: J ZHANG
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 12343 GEORGE MASON UNIV 9174
EXPLORING THE PHASE SPACE AND CYCLE SPACE OF NETWO RKED COLLECTIVE DYNAMICAL SYSTEMS.
07/22/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: D MOROWITZ
Tech. Officer: GSFC/J DORBAND
CASE Category: 41 – AERONAUTICAL ENGNR

NAG13 01009 GEORGE MASON UNIV 9175
VIRGINIA ACCESS
09/19/2001 - 09/18/2002 FY02: $0 Total: $997,800
Prin. Invest.: M KAFATOS
Tech. Officer: SSC/W GRAHAM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 02054 GEORGE MASON UNIV 9176
VIRGINIA ACCESS AND MIDDLE ATLANTIC GEOSPATIAL INFORMATION CONSORTIUM
09/05/2002 - 09/18/2003 FY02: $0 Total: $0
Prin. Invest.: M KAFATOS
Tech. Officer: SSC/M GIARDINO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCA 1 01004 GEORGE MASON UNIV 9177
VIRGINIA SATSLAB
08/31/2001 - 09/30/2002 FY02: $0 Total: $500,000
Prin. Invest.: G DONOHUE
Tech. Officer: LARC/J R BURLEY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 143 GEORGE MASON UNIV 9178
EARTH SYSTEM SCIENCE DATA SUPPORT
07/15/1996 - 06/14/2001 FY02: $0 Total: $7,132,077
Prin. Invest.: M KAFATOS
Tech. Officer: GSFC/S KEMPLER
CASE Category: 11 – ASTRONOMY

NCC 5 306 GEORGE MASON UNIV 9179
SEASONAL & INTERANNUAL EARTH SCIENCE INFORMANTION PARTNER (SIESIP)
04/09/1998 - 12/31/2002 FY02: $310,000 Total: $2,660,000
Prin. Invest.: M KAFATOS
Tech. Officer: GSFC/M MAIDEN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 360 GEORGE MASON UNIV 9180
CONTINUING CAREER PROGRAM (CCP)
08/26/1998 - 08/31/2003 FY02: $30,000 Total: $1,762,716
Prin. Invest.: R R STOUGH
Tech. Officer: GSFC/A J MATURO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 522 GEORGE MASON UNIV 9181
DEVELOPMENT OF POSEIDON OCEAN MODEL FOR NSIPP
12/18/2000 - 12/31/2003 FY02: $0 Total: $150,207
Prin. Invest.: P S SCHOPF
Tech. Officer: GSFC/M RIENECKER
CASE Category: 33 – OCEANOGRAPHY

NCC 5 555 GEORGE MASON UNIV 9182
JOINT INTERDISCIPLINARY EARTH SCIENCE
05/04/2001 - 06/14/2003 FY02: $0 Total: $2,441,161
Prin. Invest.: M KAFATOS
Tech. Officer: GSFC/M MCCUMBER
CASE Category: 11 – ASTRONOMY

NCC 5 645 GEORGE MASON UNIV 9183
JOINT GEO-INFORMATICS LABORATORY (JGIL) CONDUCT RESEARCH & PROTOTYPING IN SUPPORT OF ESDISIP &
06/12/2002 - 06/14/2005 FY02: $0 Total: $0
Prin. Invest.: L DI
Tech. Officer: GSFC/K MCDONALD
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 2135 HAMPTON UNIV 9184
STUDY OF CONTRAILS AND ATMOSPHERIC RADIATION MEAS (ARM) DATA PROJECT DEVELOPMENT
01/19/1999 - 01/31/2002 FY02: $0 Total: $285,939
Prin. Invest.: M P MCCORMICK, J M RUSSELL, 111
Tech. Officer: LARC/P MINNIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2170 HAMPTON UNIV 9185
DEVELOPMENT AND COMPARISON OF GLOBAL AEROSOL, WATER VAPOR, AND OZONE CLIMATOLOGIES USING SAGE II
03/25/1999 - 02/28/2002 FY02: $0 Total: $213,000
Prin. Invest.: M P MCCORMICK
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2206 HAMPTON UNIV 9186
TOP-OF-ATMOSPHERE CLEAR-SKY BROADBAND RADIATIVE FLUX AND DIRECT AEROSOL RADIATIVE FORCING FROM
06/21/1999 - 06/30/2002 FY02: $0 Total: $164,555
Prin. Invest.: N G LOEB, B LIN, J HU
Tech. Officer: LARC/V E DELNORE, LARC/J L RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2223 HAMPTON UNIV 9187
EVALUATION OF THE EFFECT OF WATER VAPOR ON THE PERFORMANCE OF NASA'S NMRO CATALYSIT FOR CARBON
08/31/1999 - 03/31/2002 FY02: $0 Total: $199,869
Prin. Invest.: A AKYURTLU
Tech. Officer: LARC/D R SCHRYER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2224 HAMPTON UNIV 9188
STUDENT FIELD TESTING OF THE HAMPTON UNIV COMPACT OZONE LIDAR SYSTEM CERTIFICATION OF
08/24/1999 - 12/31/2001 FY02: $0 Total: $200,000
Prin. Invest.: T H CHYBA
Tech. Officer: LARC/J FISHMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2318 HAMPTON UNIV 9189
THEORET & OBSERVAT'L DETERM OF GLOBAL & REGIONAL RADIATION BUDG,FORC'G & FEEDBACK TOP-OF-ATMOSPHERE
07/18/2000 - 10/31/2003 FY02: $0 Total: $524,152
Prin. Invest.: N G LOEB
Tech. Officer: LARC/G G GIBSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2331 HAMPTON UNIV 9190
THE AMERICAN INDIAN EDUCATIONAL OPPORTUNITIES 2000 PROGRAM
09/29/2000 - 07/31/2002 FY02: $0 Total: $75,000
Prin. Invest.: R SCHWAN
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 79 – SOCIAL SCIENCE, OTHER

NAG 1 01075 HAMPTON UNIV 9191
STATISTICAL METHODS FOR RAPID AEROTHERMAL ANALYSIS AND DESIGN TECHNOLOGY
04/27/2001 - 01/09/2002 FY02: $0 Total: $80,000
Prin. Invest.: D J DEPRIEST, C B MORGAN
Tech. Officer: LARC/R A THOMPSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01089 HAMPTON UNIV 9192
THE AMERICAN INDIAN EDUCATIONAL OPPORTUNITIES 2001 PROGRAM
06/13/2001 - 06/10/2003 FY02: $0 Total: $100,000
Prin. Invest.: R SCHWAN
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01096 HAMPTON UNIV 9193
TOP-OF-ATMOSPHERE ALBEDO ESTIMATION FROM POLDER MULTI-ANGLE MEASUREMENTS: EVALUATION OF WATER AND
06/20/2001 - 05/31/2004 FY02: $0 Total: $52,279
Prin. Invest.: N G LOEB, Y HU
Tech. Officer: LARC/V E DELNORE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02030 HAMPTON UNIV 9194
STATISTICAL METHODS FOR RAPID AEROTHERMAL ANALYSIS AND DESIGN TECHNOLOGY
01/10/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: D J DEPRIEST, C B MORGAN
Tech. Officer: LARC/R A THOMPSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02044 HAMPTON UNIV 9195
CONTRAIL TRACKING AND ARM (ATMOSPHERIC RADIATION MEASUREMENTS) DATA PRODUCT DEVELOPMENT
01/28/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: D P DUDA
Tech. Officer: LARC/P MINNIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1331 HAMPTON UNIV 9196
APPLIED CFD RESEARCH & TRAINING
06/21/1999 - 09/14/2002 FY02: $0 Total: $300,000
Prin. Invest.: H HU
Tech. Officer: ARC/R C STRAWN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2189 HAMPTON UNIV 9197
OPTICAL ELECTRONIC BRAGG REFLECTION SENSOR SYSTEM WITH HYDRODYNAMIC FLOW APPLICATIONS
08/07/1998 - 05/30/2002 FY02: $0 Total: $439,999
Prin. Invest.: D R LYONS
Tech. Officer: GRC/D GRIFFIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2249 HAMPTON UNIV 9198
ADVANCED METHODS FOR AIRCRAFT ENGINE THRUST AND NO ISE BENEFITS. NOZZLE-INLET FLOW ANALYSIS
04/01/1999 - 12/31/2002 FY02: $0 Total: $300,000
Prin. Invest.: M H MORGAN
Tech. Officer: GRC/I BLANKSON
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2422 HAMPTON UNIV 9199
NUMERICAL SIMULATION OF ONE-AND TWO-PHASE FLOWS IN PROPULSION SYSTEMS
05/31/2000 - 12/31/2002 FY02: $0 Total: $200,000
Prin. Invest.: M GILLINSKY
Tech. Officer: GRC/I M BLANKSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2495 HAMPTON UNIV 9200
CORRUGATED AND COMPOSED NOZZLES APPLICATION FOR TH RUST AND JET NOISE BENEFITS VIA UEET PROGRAM
10/27/2000 - 09/30/2003 FY02: $0 Total: $125,000
Prin. Invest.: D GILLINSKY
Tech. Officer: GRC/D W LAM
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2618 HAMPTON UNIV 9201
ANALYSIS OF ANTIOXIDANT AND PHOSPHOINOSITOL SIGNAL TRANSDUCTION PATHWAY (S) IN PLANTS AFTER EXPOSUR
05/31/2001 - 04/30/2005 FY02: $0 Total: $55,000
Prin. Invest.: C M OKPODU
Tech. Officer: GRC/D W GRIFFIN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 5299 HAMPTON UNIV 9202
DYNAMICAL INTERPRETATION OF AEROSOL INFLUENCES ON DOBSON SPECTROPHOTOMETER
07/18/2000 - 08/31/2001 FY02: $0 Total: $49,078
Prin. Invest.: D P MCCORMICK
Tech. Officer: GSFC/F SCHMIDLIN
CASE Category: 12 – CHEMISTRY

NAG 5 5360 HAMPTON UNIV 9203
GRANT TO HAMPTON UNIVESITY FOR THE STUDY OF UPPER AIR INSTRUMENTATION ANOMALIES. PERIOD: 3/15/02 T
03/14/2002 - 09/15/2002 FY02: $0 Total: $0
Prin. Invest.: P MCCORMICK
Tech. Officer: WFF/F J SCHMIDLIN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 6296 HAMPTON UNIV 9204
HAMPTON UNIV - OPTICAL RADIATION IN ATMOSPHE
09/19/1997 - 02/28/2001 FY02: $0 Total: $224,973
Prin. Invest.: D A TEMPLE
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7001 HAMPTON UNIV 9205
STUDIES OF THE CLIMATOLOGY, LONG-TERM TRENDS, AND QUASI-BIENNIAL OSCILLATION OF CHEMICAL TRACERS IN
04/07/1998 - 03/31/2001 FY02: $0 Total: $151,599
Prin. Invest.: D M RUSSELL,111
Tech. Officer: GSFC/C JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8648 HAMPTON UNIV 9206
"PROPOSAL FOR MEMBERSHIP TO THE AEROSOL RADIATIVE FORCING SCIENCE TEAM"
08/16/1999 - 01/31/2002 FY02: $0 Total: $44,730
Prin. Invest.: M MCCORMICK
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9156 HAMPTON UNIV 9207
PROGRAM FOR IMPROVING SUCCESS IN SCIENCE, ENGINEER ING, AND MATHEMATICS (PRISEM)
03/03/2000 - 02/28/2003 FY02: $0 Total: $183,864
Prin. Invest.: C RANKINS
Tech. Officer: GSFC/M STOUTSENBERGER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9171 HAMPTON UNIV 9208
STUDIES OF POLAR MESOPHERIC CLOUDS FROM OBSERVATIO NS BY THE STUDENT NITRIC OXIDE EXPLORER
03/08/2000 - 02/28/2002 FY02: $0 Total: $149,307
Prin. Invest.: S M BAILEY
Tech. Officer: GSFC/M MELLOTT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10015 HAMPTON UNIV 9209
HAMPTON UNIV COLL OF CONTINUING EDUCATION AEROSCIENCE CENTER
09/21/2000 - 09/30/2003 FY02: $0 Total: $300,000
Prin. Invest.: C L REAVES
Tech. Officer: GSFC/P S BOELLNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10063 HAMPTON UNIV 9210
ANALYSIS OF STUDENT NITRIC OXIDE EXPLORER SOLAR X-RAY PHOTOMETER MEASUREMENTS
11/15/2000 - 11/30/2001 FY02: $0 Total: $35,000
Prin. Invest.: S M BAILEY
Tech. Officer: GSFC/C P HOLMES
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10163 HAMPTON UNIV 9211
A SPACE SCIENCE CURRICULUM AT HAMPTON UNIV: DEVELOPMENT OF A MINOR, FACULTY ENHANCEMENT,
12/13/2000 - 12/31/2003 FY02: $0 Total: $244,997
Prin. Invest.: A OMAR
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 5 10796 HAMPTON UNIV 9212
CONCEPT STUDY FOR THE "AERONOMY OF ICE IN THE MESO SPHERE" (AIM) MISSION AO-99-OSS-05
05/01/2001 - 04/30/2002 FY02: $0 Total: $347,116
Prin. Invest.: D M RUSSELL
Tech. Officer: GSFC/J R BYRD
CASE Category: 11 – ASTRONOMY

NAG 5 11065 HAMPTON UNIV 9213
STDS OF CLIMATOLOGY & LONG-TERM CHANGES OF CHEM TRACERS IN THE MIDDLE ATMOS USING UARS DATA & HALO
06/28/2001 - 09/30/2002 FY02: $0 Total: $44,492
Prin. Invest.: J M RUSSELL
Tech. Officer: GSFC/C JACKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11126 HAMPTON UNIV 9214
AURORA 2001)ADVANCED UNDERGRADUATE RESEARCH USING OPTICAL RADIATION IN THE ATMOSPHERE)
07/18/2001 - 07/14/2002 FY02: $0 Total: $75,000
Prin. Invest.: J RUSSELL
Tech. Officer: GSFC/B W MEESON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11409 HAMPTON UNIV 9215
TIMED PHASE E SABER - RUSSELL
12/10/2001 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: J M RUSSELL
Tech. Officer: GSFC/B A CAMPBELL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11477 HAMPTON UNIV 9216
REAL-TIME VERY HIGH RESOLUTION REGIONAL 4D ASSIMIL ATION IN SUPPORTING NASA CRYSTAL-FACE EXPERIMENT
12/19/2001 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: D WANG
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11818 HAMPTON UNIV 9217
HELIOSPHERIC HYDROGEN AND HELIUM
03/12/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: W R PRYOR
Tech. Officer: GSFC/T KUCERA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 1 97042 HAMPTON UNIV 9218
PRINCIPAL INVESTIGATOR SERVICES TO SUPPORT SAGE II AND III, SABER, HALOE, LITE AND LIDAR PROGRAMS.
09/29/1997 - 09/30/2002 FY02: $0 Total: $1,119,104
Prin. Invest.: P MCCORMICK
Tech. Officer: LARC/R L DUNCAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 99108 HAMPTON UNIV 9219
PICASSO-CENA INTERNATIONAL SCIENCE ADVISORY PANEL, SCIENCE ACTIVITIES, ALGORITHM IMPLEMENTATION& OU
02/01/2000 - 01/31/2003 FY02: $0 Total: $1,749,171
Prin. Invest.: M P MCCORMICK, A H OMAR
Tech. Officer: LARC/G G GIBSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 251 HAMPTON UNIV 9220
RESEARCH CENTER FOR OPTICAL PHYSICS MY 1/5
03/18/1997 - 12/31/2002 FY02: $0 Total: $5,218,999
Prin. Invest.: D A TEMPLE
Tech. Officer: LARC/R HATHAWAY
CASE Category: 13 – PHYSICS

NCC 1 358 HAMPTON UNIV 9221
NASA-ASEE SUMMER FACULTY FELLOWSHIP PROGRAM 2000
03/27/2000 - 12/31/2001 FY02: $0 Total: $584,055
Prin. Invest.: D DEPRIEST
Tech. Officer: LARC/R HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 366 HAMPTON UNIV 9222
DEVELOPMENT OF ADVANCED AIRCRAFT ANTENNA DESIGN AN D ANALYSIS TECHNIQUES
01/11/2000 - 12/31/2002 FY02: $0 Total: $77,034
Prin. Invest.: A O OLADIPUPO, C J REDDY
Tech. Officer: LARC/F B BECK, LARC/M C BAILEY
CASE Category: 45 – ELECTRICAL ENGR

NCC 1 01034 HAMPTON UNIV 9223
2001 LANGLEY AEROSCIENCE RESEARCH SUMMER SCHOLARS (LARSS) PROGRAM
03/20/2001 - 03/02/2002 FY02: $0 Total: $885,074
Prin. Invest.: R SCHWAN
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 01059 **HAMPTON UNIV** **9224**
CENTER FOR LIDAR & ATMOSPHERIC SCIENCES STUDENTS (FORMERLY GSFC NCC-5-348)
08/22/2001 - 06/30/2003 FY02: $0 Total: $500,000
Prin. Invest.: D A TEMPLE, A OMAR
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 02015 **HAMPTON UNIV** **9225**
2002 NASA SUMMER FACULTY FELLOWSHIP PROGRAM
02/22/2002 - 03/02/2003 FY02: $0 Total: $0
Prin. Invest.: D J DEPRIEST
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02020 **HAMPTON UNIV** **9226**
2002 LANGLEY AEROSPACE RESEARCH SUMMER SCHOLLARS PROGRAM (LARSS)
04/02/2002 - 03/02/2003 FY02: $0 Total: $0
Prin. Invest.: H DAVIS
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 348 **HAMPTON UNIV** **9227**
CENTER FOR LIDAR AND ATMOSPHERIC SCIENCES STUDENTS
06/29/1998 - 02/28/2002 FY02: $0 Total: $1,495,533
Prin. Invest.: T A CHYBA
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 2 52261 **HAMPTON UNIV** **9228**
DEVELOPMENT OF AN ASTROBIOLOGY EDUCATION CURRICULU M AT HAMPTON UNIV
12/06/1999 - 06/30/2002 FY02: $0 Total: $199,877
Prin. Invest.: B FAISON
Tech. Officer: ARC/D DESMARAIS
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NGT 3 52354 **HAMPTON UNIV** **9229**
UV INDUCED DENSIFICATION AND ABLATION DURING THE F ORMATION OF BRAGG GRATINGS IN GE-DOPED SI02 PREFO
06/25/1999 - 06/30/2001 FY02: $0 Total: $65,850
Prin. Invest.: D R LYONS
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 13 – PHYSICS

NAG 1 2155 **JAMES MADISON UNIV** **9230**
CHAOS AND TERMAL SCIENCES LABORATORY (CATS LAB) MY 1/3
03/05/1999 - 12/31/2001 FY02: $0 Total: $89,892
Prin. Invest.: A A TEATE
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2186 **JAMES MADISON UNIV** **9231**
INFARED DEVELOPMENT AND TESTING LABORATORY WITH DEVELOPMENT OF ATMOSPHERIC CO IMAGING INSTRUMENT
04/29/1999 - 02/28/2003 FY02: $0 Total: $141,800
Prin. Invest.: J J MILES
Tech. Officer: LARC/A D LITTLE
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 01093 **JAMES MADISON UNIV** **9232**
DETERMINATION OF MATL NEAR THE GLASS TRANSITION TEMPERATURE FOR AN ISOGRID BOOM
06/25/2001 - 04/30/2002 FY02: $0 Total: $14,974
Prin. Invest.: J R BLANDINO
Tech. Officer: LARC/J A WOODS-VEDELER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02033 **JAMES MADISON UNIV** **9233**
RANS LES AND DNS TOWARD MUTUALLY CONSISTENT FORMULATIONS
01/10/2002 - 01/09/2004 FY02: $0 Total: $0
Prin. Invest.: C D PRUETT
Tech. Officer: LARC/T B GATSKI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 6166 **JAMES MADISON UNIV** **9234**
COLL OF INTEGRATED SCIENCE & TECHNOLOGY (CISAT) CONDUCT PRE-SERVICE TEACHER ENHANCEMENT WORKSHOP.
08/01/1997 - 01/31/2001 FY02: $0 Total: $60,000
Prin. Invest.: J BARNES
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10701 **JAMES MADISON UNIV** **9235**
DEVELOPMENT OF TEST TECHNOLOGY FOR THIN-FILM MEMEB RANE STRUCTURES
04/05/2001 - 04/14/2003 FY02: $0 Total: $49,965
Prin. Invest.: J BLANDINO
Tech. Officer: GSFC/J JOHNSON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 394 **MARY WASHINGTON COLL** **9236**
A PROPOSAL FOR THE ESTABLISHMENT OF A CENTER FOR EXPERIMENTAL AERODYNAMICS (CEA)
04/24/2000 - 03/31/2005 FY02: $0 Total: $340,820
Prin. Invest.: C P BRITCHER, R L ASH, R L ASH
Tech. Officer: LARC/J C YU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2125 **NORFOLK STATE UNIV** **9237**
TECHNICAL EDUCATION OUTREACH MATERIALS SCIENCE AND TECHNOLOGY BASED ON NASAS MATERIALS RESEARCH
01/12/1999 - 12/31/2002 FY02: $0 Total: $119,000
Prin. Invest.: J JACOGS, S R CHAUDHURY
Tech. Officer: LARC/E T PRIOR, LARC/R HATHAWAY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 2172 **NORFOLK STATE UNIV** **9238**
DEVELOPMENT OF SOLID-STATE LASER MATERIALS FOR APP LICATION IN LASERES FOR ATMOSPHERIC OZONE & WATER
03/30/1999 - 12/31/2001 FY02: $0 Total: $100,000
Prin. Invest.: M NOGINOV, G LOUTTS
Tech. Officer: LARC/N P BARNES, LARC/J C BARNES
CASE Category: 13 – PHYSICS

NAG 1 2226 **NORFOLK STATE UNIV** **9239**
PORTSMOUTH ATMOSPHERIC SCIENCE SCHOOL PROJECT (PASS)
08/24/1999 - 07/31/2002 FY02: $0 Total: $199,728
Prin. Invest.: C COLEMAN
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2228 **NORFOLK STATE UNIV** **9240**
NONSELECTIVE ROOMTEMPERATURE MICROBOLOMETERS BASED ON CMB THIN FILMS
08/30/1999 - 07/31/2001 FY02: $0 Total: $196,520
Prin. Invest.: E S GILLMAN
Tech. Officer: LARC/J C BARNES
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2230 **NORFOLK STATE UNIV** **9241**
PRE-SERVICE TEACHER CONFERENCE MY 1/2
09/03/1999 - 07/31/2001 FY02: $0 Total: $204,000
Prin. Invest.: P TUCKER-HOGAN
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01127 **NORFOLK STATE UNIV** **9242**
THE CHROME HONORS PROGRAM
09/26/2001 - 09/30/2002 FY02: $0 Total: $50,000
Prin. Invest.: E WILSON
Tech. Officer: LARC/R HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02060 **NORFOLK STATE UNIV** **9243**
NASA'S CENTER OF EXCELLENCE FOR STRUCTURES AND MATERIALS TECHNICAL EDUCATION OUTREACH
04/01/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: J A JACOBS
Tech. Officer: LARC/E J PRIOR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02076 **NORFOLK STATE UNIV** **9244**
CHARACTERIZATION OF SMART OPTICAL MATERIALS USING ELLIPSOM-ETRY
03/29/2002 - 07/31/2002 FY02: $0 Total: $0
Prin. Invest.: K D SONG
Tech. Officer: LARC/S H CHOI, LARC/G C KING
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2289 **NORFOLK STATE UNIV** **9245**
NOVEL HIGH EFFICIENT ORGANIC PHOTOVOLTAIC MATERIAL S
08/30/1999 - 07/21/2002 FY02: $0 Total: $299,816
Prin. Invest.: S SUN
Tech. Officer: GRC/A F HEPP
CASE Category: 12 – CHEMISTRY

NAG 4 165 **NORFOLK STATE UNIV** **9246**
VARIATIONAL METHOD IN DESIGN OPTIMIZATION
02/26/1999 - 02/26/2003 FY02: $0 Total: $293,464
Prin. Invest.: D HULBERT
Tech. Officer: DFRC/K GUPTA, DFRC/E COX
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 6298 **NORFOLK STATE UNIV** **9247**
NORFOLK STATE UNIV RESEARCH EXPERIENCE IN EA
09/15/1997 - 07/31/2002 FY02: $0 Total: $223,270
Prin. Invest.: W J RODRIGUEZ
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8541 **NORFOLK STATE UNIV** **9248**
SUMMER WORKSHOP PROGRAM TO PROVIDE EMERGING EDUCAT ORS W/THE FAMILIARITY & KNOWLEDGE TO UTILIZE IN C
05/12/1999 - 05/14/2002 FY02: $0 Total: $40,295
Prin. Invest.: S CHAUDHURY
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8653 **NORFOLK STATE UNIV** **9249**
DESIGN AND PERFORMANCE TESTS OF ULTRA-COMPACT CALO RIMETERS FOR HIGH ENERGY ASTROPHYSICS
08/19/1999 - 07/31/2003 FY02: $0 Total: $279,385
Prin. Invest.: C W SALGADO
Tech. Officer: GSFC/R E STREITMATTER
CASE Category: 13 – PHYSICS

NAG 5 9257 **NORFOLK STATE UNIV** **9250**
BRINGING EDUCATION & SCIENCE TOGETHER FOR SYSTEMIC TRAINING & EMPOWERMENT OF PRESERVICE TEACHERS
03/15/2000 - 02/28/2003 FY02: $0 Total: $379,977
Prin. Invest.: G GOLEMBIEWSKI
Tech. Officer: GSFC/B L WHITE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9374 **NORFOLK STATE UNIV** **9251**
SCENARIO BASED LEARNING: INQUIRY FOR A DIGITAL EARTH
04/05/2000 - 03/31/2003 FY02: $0 Total: $172,370
Prin. Invest.: W J RODRIQUEZ
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10140 **NORFOLK STATE UNIV** **9252**
A NASA-HBCU PARTNERSHIP TO ENHANCE MINORITY EDUCAT ION & RESEARCH PARTICIPATION IN THE SPACE SCIENCE
12/12/2000 - 12/31/2003 FY02: $0 Total: $203,891
Prin. Invest.: C W SALGADO
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 11 – ASTRONOMY

NAG 8 1862 **NORFOLK STATE UNIV** **9253**
GROWTH AND CHARACTERIZATION OF ORGANIC CRYSTALS
04/16/2002 - 04/15/2003 FY02: $0 Total: $0
Prin. Invest.: L SALARY
Tech. Officer: MSFC/W J LOVE
CASE Category: 12 – CHEMISTRY

NCC 1 280 **NORFOLK STATE UNIV** **9254**
FEASIBILITY STUDY OF PIEZOELECTRIC ACTUATORS DRIVE N BY A MICROWAVE
03/06/1998 - 03/05/2002 FY02: $0 Total: $300,000
Prin. Invest.: K D SONG
Tech. Officer: LARC/S H CHOI
CASE Category: 46 – MECHANICAL ENGR

NCC 1 01049 **NORFOLK STATE UNIV** **9255**
DEVELOPMENT OF NOVEL COMPOSITE AND RANDOM MATERIAL FOR NONLINEAR OPTICS AND LASERS - TRANSFER FROM
06/06/2001 - 09/14/2004 FY02: $0 Total: $420,000
Prin. Invest.: L MATTIX
Tech. Officer: LARC/J C BARNES
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 01053 NORFOLK STATE UNIV 9256
2001 PRE-SERVICE TEACHER INST
05/10/2001 - 03/31/2002 FY02: $0 Total: $225,000
Prin. Invest.: P TUCKER-HOGAN
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 01055 NORFOLK STATE UNIV 9257
MISSION-LEVERAGED EDUCATION: NSU-NASA INNOVATIVE UNDERGRADUATE MODEL MILEN1IUM A NASA PAIR PROJECT
06/29/2001 - 02/29/2004 FY02: $0 Total: $297,940
Prin. Invest.: W RODRIGUEZ
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 01057 NORFOLK STATE UNIV 9258
2001 PRE-SERVICE TEACHER CONFERENCE
08/14/2001 - 07/31/2002 FY02: $0 Total: $150,029
Prin. Invest.: P E MCNEIL, S PROCTOR
Tech. Officer: LARC/R HATHAWAY, LARC/E J PRIOR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02024 NORFOLK STATE UNIV 9259
2002 PRE-SERVICE TEACHER PROGRAM (INST AND CONFERENCE)
04/29/2002 - 04/28/2003 FY02: $0 Total: $0
Prin. Invest.: S M PROCTOR, P TUCKER-HOGAN
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 457 NORFOLK STATE UNIV 9260
MISSION-LEVERAGED EDUCATION: NSU-NASA INNOVATIVE UNDERGRADUATE MODEL
02/22/2000 - 03/31/2001 FY02: $0 Total: $292,845
Prin. Invest.: L MATTIX
Tech. Officer: GSFC/M MATTHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2195 OLD DOMINION UNIV 9261
PROCESS COST MODELING FOR MULTIDISCIPLINARY DESIGN APPLICATIONS
05/21/1999 - 03/31/2002 FY02: $0 Total: $145,000
Prin. Invest.: H P BAO
Tech. Officer: LARC/W T FREEMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2211 OLD DOMINION UNIV 9262
DEVELOPMENT OF A TRANSIENT CUT-OFF GRID FOR FOCUS SCHLIEREN
07/12/1999 - 06/14/2002 FY02: $0 Total: $26,000
Prin. Invest.: G R HOY, K S SCHANZE
Tech. Officer: LARC/M A TALLEY, LARC/A W BURNER
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 1 2252 OLD DOMINION UNIV 9263
USER ACCEPTABILITY OF PHYSIOLOGICAL AND OTHER MEASURES OF HAZARDOUS STATES OF AWARENESS
11/23/1999 - 02/28/2001 FY02: $0 Total: $29,180
Prin. Invest.: T L DICKINSON, F G FREEMAN, P M MIKULKA
Tech. Officer: LARC/A T POPE
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 1 2266 OLD DOMINION UNIV 9264
NUMERICAL SIMULATIONS OF MIXING AND COMBUSTION IN SCRAMJET ENGINES
01/31/2000 - 12/31/2002 FY02: $0 Total: $77,991
Prin. Invest.: S W TIWARI, T O MOHIELDIN
Tech. Officer: LARC/D E REUBUSH, LARC/C R MCCLINTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2278 OLD DOMINION UNIV 9265
IMPLICATIONS OF AUTOMOTIVE AND TRUCKING ON-BOARD INFORMATION SYSTEMS FOR GENERAL AVIATION COCKPIT
03/15/2000 - 03/31/2002 FY02: $0 Total: $45,380
Prin. Invest.: P KACHROO, P J KAUFFMAN
Tech. Officer: LARC/E J JOHNSON
CASE Category: 41 – AERONAUTICALENGNR

NAG 1 2279 OLD DOMINION UNIV 9266
DESIGN & ANALYSIS OF ARCHITECTURES FOR STRUCTURAL HEALTH MONITORING SYSTEMS
03/13/2000 - 08/31/2002 FY02: $0 Total: $92,995
Prin. Invest.: R MUKKAMALA
Tech. Officer: LARC/S L VAZQUEZ
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 2300 OLD DOMINION UNIV 9267
STRUCTURE-COMPATIBLE NONLINEAR HEAT TRANSFER ANAL.ERROR ESTIMATEDS, ORDER ADAPTIVITY & DESIGN OPTIMI
05/26/2000 - 05/14/2003 FY02: $0 Total: $95,000
Prin. Invest.: G HOU
Tech. Officer: LARC/K S BEY
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 2303 OLD DOMINION UNIV 9268
NATIONAL CULTURE, CREW RESOURCES MANAGEMENT, AND TEAM PERFORMANCE IN A FLOGHT SIMULATION
06/02/2000 - 12/31/2003 FY02: $0 Total: $229,952
Prin. Invest.: D D DAVIS
Tech. Officer: LARC/P C SHUTTIE, LARC/A C TRUJILLO
CASE Category: 62 – PSYCHOLOGY SOCIAL ASPECTS

NAG 1 2330 OLD DOMINION UNIV 9269
INVESTIGATION OF ERROR PATTERNS IN GEOGRAPHICAL DATABASES
09/29/2000 - 07/31/2002 FY02: $0 Total: $79,678
Prin. Invest.: D A DRYER, P KAUFFMAN
Tech. Officer: LARC/D R JONES, LARC/P W GOODE
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 1 01012 OLD DOMINION UNIV 9270
MODELING DISTURBANCE DYNAMICS IN TRANSITIONAL AND TURBULENT BOUNDARY LAYERS
12/20/2000 - 10/31/2001 FY02: $0 Total: $27,000
Prin. Invest.: C E GROSCH
Tech. Officer: LARC/T B GATSKI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01028 OLD DOMINION UNIV 9271
NONLINEAR AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES
02/05/2001 - 12/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: A K NOOR
Tech. Officer: LARC/J H STARNES, JR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01033 OLD DOMINION UNIV 9272
PARALLEL DOMAIN DECOMPOSITION FORMULATION AND SOFTWARE FOR LARGE-SCALE UNSYMETRICAL 3D APPLICATI
02/22/2001 - 01/14/2004 FY02: $0 Total: $30,000
Prin. Invest.: D T NGUYEN
Tech. Officer: LARC/W R WATSON, LARC/M G JONES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01043 OLD DOMINION UNIV 9273
ULTRA NANOSTRUCTURED COMPOSITE FIBERS
03/26/2001 - 03/25/2004 FY02: $0 Total: $80,000
Prin. Invest.: R B PIPES
Tech. Officer: LARC/T S GATES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01044 OLD DOMINION UNIV 9274
INVESTIGATION WAVE PROPAGATIONS IN DISCONTINOUS GALERKIN METHOD
03/26/2001 - 02/28/2004 FY02: $0 Total: $19,021
Prin. Invest.: F HU
Tech. Officer: LARC/H L ATKINS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01047 OLD DOMINION UNIV 9275
MANAGEMENT (BY VSGC) OF 2000-2001 NATIONAL GENERAL AVIATION DESIGN COMPETITION
04/12/2001 - 09/30/2001 FY02: $0 Total: $25,000
Prin. Invest.: M L SANDY
Tech. Officer: LARC/H W JARRETT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01068 OLD DOMINION UNIV 9276
NOISE PREDICTION FOR ADVANCED AIRCRAFT CONFIGUR- ATIONS USING THE EQUIVALENT SOURCE METHOD
04/23/2001 - 04/22/2003 FY02: $0 Total: $90,000
Prin. Invest.: M H DUNN
Tech. Officer: LARC/D P GARBER, LARC/R A GOLUB
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 1 01071 OLD DOMINION UNIV 9277
MODIFICATION OF EXISTING METHOD OF MONENT CODE FOR LARGE OBJECTS USING PHYSICAL OPTICS
04/20/2001 - 09/30/2002 FY02: $0 Total: $30,212
Prin. Invest.: R P JOSHI
Tech. Officer: LARC/M D DESHBANDE
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 01076 OLD DOMINION UNIV 9278
PARALLEL COMPUTATIONAL STUDIES OF THE DIRECT SIMULATION MONTE CARLO METHOD IN FLUID DYNAMICS
05/16/2001 - 05/31/2004 FY02: $0 Total: $34,618
Prin. Invest.: D E KEYES, P BOGACKI
Tech. Officer: LARC/J N MOSS
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 01077 OLD DOMINION UNIV 9279
DEV NUMERICAL MODELS 4 PERF PREDICTIONS OF SINGLE PHOTON AVALANCHE PHOTODETECTORS 4 2-MICRON REGIME
05/16/2001 - 12/31/2001 FY02: $0 Total: $20,000
Prin. Invest.: R P JOSHI
Tech. Officer: GSFC/M N ABEDIN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01086 OLD DOMINION UNIV 9280
REDUCING DESIGN RISK USING DESIGN METHODS
05/17/2001 - 03/17/2003 FY02: $0 Total: $9,988
Prin. Invest.: R UNAL
Tech. Officer: LARC/R A LEPSCH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01092 OLD DOMINION UNIV 9281
ERROR ANALYSIS FOR DISCONTINUOUS GALERKIN METHOD FOR PARA-BOLIC PROBLEMS
06/27/2001 - 06/30/2003 FY02: $0 Total: $20,000
Prin. Invest.: H KANEKO
Tech. Officer: LARC/K S BEY
CASE Category: 21 – MATHEMATICS

NAG 1 01097 OLD DOMINION UNIV 9282
A PROJECT DEV MODEL FOR ASSESSING THE FEAS OF AUTO MOTIVE-TRUCKING INFO SYS W/APPLICS TO GEN AVIATIO
06/29/2001 - 09/30/2002 FY02: $0 Total: $59,990
Prin. Invest.: P J KAUFFMANN, P KACHROO
Tech. Officer: LARC/E J JOHNSON, LARC/H P STOUGH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01121 OLD DOMINION UNIV 9283
YOUNG PHD'S IN HUMAN SPACE FLIGHT INST
08/31/2001 - 08/31/2002 FY02: $0 Total: $29,852
Prin. Invest.: E WILSON
Tech. Officer: LARC/R HATHAWAY
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02005 OLD DOMINION UNIV 9284
STUDIES IN TRANSITION AND TIME VARYING TURBULENT FLOW
11/16/2001 - 11/15/2003 FY02: $0 Total: $0
Prin. Invest.: C E GROSCH
Tech. Officer: LARC/T B GATSKI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02039 OLD DOMINION UNIV 9285
SPECIFICATION DESIGN AND ANALYSIS OF ADVANCED HUMS ARCHITURES
01/25/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: R MUKKAMALA
Tech. Officer: LARC/S L VAZQUEZ, LARC/E G COOPER
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 02062 OLD DOMINION UNIV 9286
ADAPTIVE TECHNOLOGY AS A COUNTERMEASURE FOR COMPLACENCY
03/05/2002 - 03/04/2003 FY02: $0 Total: $0
Prin. Invest.: M SCERBO, F FREEMAN
Tech. Officer: LARC/A T POPE
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 1 02072 OLD DOMINION UNIV 9287
NUMERICAL ANAL FOR PREDICTING ALGAASSB-INGAASSB AVALANCHE PHOTODETECTOR PERF @ 2-MICRON WAVELENGTHS
03/20/2002 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: R P JOSHI
Tech. Officer: LARC/M N ABEDINE
CASE Category: 13 – PHYSICS

NAG 1 02096 OLD DOMINION UNIV 9288
COST ESTIMATION TECHNIQUES FOR MULTI-DISCIPLINARY OPTIMIZATION
05/14/2002 - 05/13/2005 FY02: $0 Total: $0
Prin. Invest.: H P BAO
Tech. Officer: LARC/R P WESTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02110 OLD DOMINION UNIV 9289
DEVELOPMENT OF APPROXIMATION MODELS FOR LAUNCH VEH ICLE OPERATIONS ANALYSIS
08/16/2002 - 06/15/2003 FY02: $0 Total: $0
Prin. Invest.: R UNAL
Tech. Officer: LARC/W D MORRIS, LARC/N H WHITE
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1481 OLD DOMINION UNIV 9290
DATA-LINK AIRCRAFT COMMUNICATIONS: AN EXAMINATION OF INTERFERENCE, COHERENCE, & WORKLOAD
05/04/2001 - 04/30/2003 FY02: $0 Total: $80,000
Prin. Invest.: D S MCNAMARA, M SCERBO
Tech. Officer: ARC/I BARSHI, ARC/S LOZITO
CASE Category: 69 – PSYCHOLOGY, OTHER

NAG 5 4515 OLD DOMINION UNIV 9291
STUDYING THE EARTH'S ENVIRONMENT IN SPACE: CLASSR ACTIVITIES WITH INSTRUCTION RESOURCES.
06/02/1997 - 12/31/2000 FY02: $0 Total: $166,896
Prin. Invest.: E SMITH
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10528 OLD DOMINION UNIV 9292
RESPONSE OF SEA ICE AND MARINE ECOSYSTEMS TO THE OBSERVED WARMING TRENDS IN THE ARTIC
03/19/2001 - 03/14/2004 FY02: $0 Total: $116,806
Prin. Invest.: G F COTA
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11259 OLD DOMINION UNIV 9293
PHYSICAL BIOLOGICAL INTERACTIONS AND THE CARBON CYCLE OF THE TROPICAL PACIFIC AND ATLANTIC_OCEANS
08/20/2001 - 08/31/2004 FY02: $0 Total: $92,899
Prin. Invest.: E HOFMANN
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1813 OLD DOMINION UNIV 9294
RESEARCH GRANT
04/30/2001 - 01/31/2003 FY02: $0 Total: $20,000
Prin. Invest.: R PRABHAKARAN
Tech. Officer: MSFC/A T NETTLES
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 9 1270 OLD DOMINION UNIV 9295
VIRTUAL REALITY TRAINING
12/18/2000 - 12/18/2003 FY02: $0 Total: $96,246
Prin. Invest.: R LOFTIN
Tech. Officer: JSC/R SAVELY, JSC/D G SICKOREZ
CASE Category: 22 – COMPUTER SCIENCE

NAS 1 99160 OLD DOMINION UNIV 9296
TESTBED OF INTEROPERABLE MULTIDISCIPLINARY DIGITAL LIBRARIES
09/22/1999 - 09/21/2003 FY02: $0 Total: $497,970
Prin. Invest.: K MALY
Tech. Officer: LARC/M M LITTLE, LARC/N R KAPLAN
CASE Category: 22 – COMPUTER SCIENCE

NCA 1 188 OLD DOMINION UNIV 9297
VA SPACE GRANT CONSORTIUM ENVIRONMENT IMPACT
08/04/2000 - 10/31/2001 FY02: $0 Total: $75,000
Prin. Invest.: M L SANDY
Tech. Officer: LARC/S A COOKE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 320 OLD DOMINION UNIV 9298
STUDY OF APPLICATION OF GREEN'S FUNCTION METHODS APPLIED TO SPACE RADIATION PROTECTION
09/23/1998 - 09/30/2001 FY02: $0 Total: $106,507
Prin. Invest.: J H HEINBOCKEL
Tech. Officer: LARC/R C SINGLETERRY, LARC/J W WILSON
CASE Category: 13 – PHYSICS

NCC 1 349 OLD DOMINION UNIV 9299
INST FOR SCIENTIFIC & EDUCATIONAL TECHNOLOGY (FOLLOW-ON TO NCC-1-232)
06/28/1999 - 08/15/2002 FY02: $0 Total: $1,005,542
Prin. Invest.: S N TIWARI
Tech. Officer: LARC/S E MASSENBERG, LARC/E J PRIOR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 363 OLD DOMINION UNIV 9300
AUTOMATED, NON-AUTOCLAVE, COMPOSITE MATERIALS FABRICATION (NRA 99-LARC-1)
11/29/1999 - 11/30/2002 FY02: $0 Total: $285,325
Prin. Invest.: M C GUPTA
Tech. Officer: LARC/T H HOU
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 364 OLD DOMINION UNIV 9301
PSYCHOPHYSIOLOGICAL CONTROL OF ACOGNITIVE TASK USING ADAPTIVE AUTOMATION
12/09/1999 - 11/30/2001 FY02: $0 Total: $31,530
Prin. Invest.: F G FREEMAN
Tech. Officer: LARC/A T POPE
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 1 369 OLD DOMINION UNIV 9302
DOCUMENT AND DISSEMINATE THE RESULTS OF WIND TUNNEL TESTS OF WRIGHT FLYER AIRCRAFT AND
01/31/2000 - 12/31/2001 FY02: $0 Total: $175,000
Prin. Invest.: R L ASH
Tech. Officer: LARC/A G PRICE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 371 OLD DOMINION UNIV 9303
TWO AND THREE DIMENSIONAL ELASTIC-PLASTIC FINITE ELEMENT ANALYSES OF TAPERED/COLDWORKED FASTENERS
02/07/2000 - 12/31/2002 FY02: $0 Total: $168,070
Prin. Invest.: S A TIWARI, B R SESHADRI
Tech. Officer: LARC/J C NEWMAN, LARC/D R AMBUR
CASE Category: 49 – ENGINEERING,OTHER

NCC 1 389 OLD DOMINION UNIV 9304
A COMPARISON OF QUASI-STATE INDENTATION & DROP-WT IMPACT TESTING ON CARBON/EPOXY LAMINATES
03/14/2000 - 09/30/2001 FY02: $0 Total: $45,000
Prin. Invest.: R PRABHAKARAN
Tech. Officer: LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 392 **OLD DOMINION UNIV** **9305**
STOCHASTIC DYNAMICAL MODELS FOR DIGITAL CONTROL SYSTEMS IN ELECTROMAGNETIC ENVIRONMENTS (EME)
04/07/2000 - 03/31/2003 FY02: $0 Total: $304,326
Prin. Invest.: W S GRAY, O R GONZALEZ
Tech. Officer: LARC/C M BELCASTRO
CASE Category: 46 – MECHANICAL ENGR

NCC 1 396 **OLD DOMINION UNIV** **9306**
AN ALGORITHM FOR TRANSPORT OF ANISOTROPIC NEUTRONS
05/03/2000 - 09/30/2002 FY02: $0 Total: $79,321
Prin. Invest.: J TWEED
Tech. Officer: LARC/R C SINGLETERRY, LARC/J W WILSON
CASE Category: 13 – PHYSICS

NCC 1 404 **OLD DOMINION UNIV** **9307**
BOLTZMANN TRANSPORT CODE UPDATE: PARALLELIZATION AND INTE- GRATED DESIGN METHODS
07/11/2000 - 07/16/2003 FY02: $0 Total: $188,000
Prin. Invest.: J H HEINBOCKEL, J NEALY
Tech. Officer: LARC/R C SINGLETERRY JR, LARC/J W WILSON
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 1 01012 **OLD DOMINION UNIV** **9308**
EVALUATING THE ABILITY OF HEART RATE AND EEG TO CONTROL ALERTNESS DURING PERFORMANCE
12/29/2000 - 08/31/2002 FY02: $0 Total: $70,895
Prin. Invest.: F G FREEMAN, M W SCERBO, P J MIKULKA
Tech. Officer: LARC/L J PRINZEL
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 1 01014 **OLD DOMINION UNIV** **9309**
CENTER FOR ADVANCED ENGINEERING ENVIRONMENTS
01/24/2001 - 12/31/2003 FY02: $0 Total: $550,000
Prin. Invest.: A K NOOR
Tech. Officer: LARC/R D BRAUN, LARC/K A CANNON
CASE Category: 49 – ENGINEERING, OTHER

NCC 1 01015 **OLD DOMINION UNIV** **9310**
ADV'D APPLIC'S FOR ADIFOR 3.0 FOR EFFICIENT CALCU- LATION OF 1ST&2ND-ORDER CFD SENSITIVITYDERIVITIV
02/01/2001 - 09/30/2002 FY02: $0 Total: $62,562
Prin. Invest.: A C TAYLOR, III
Tech. Officer: LARC/P A NEWMAN
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01032 **OLD DOMINION UNIV** **9311**
FIELD PENETRATION STUDIES STATISTICS AND BOUNDING
03/23/2001 - 12/31/2003 FY02: $0 Total: $61,411
Prin. Invest.: C F BUNTING, L L VAHALA
Tech. Officer: LARC/T X NGUYEN
CASE Category: 45 – ELECTRICAL ENGR

NCC 1 01040 **OLD DOMINION UNIV** **9312**
RESERCH ON INTELLIGENT SYNTHESIS ENVIRONMENT
03/27/2001 - 09/30/2002 FY02: $0 Total: $500,000
Prin. Invest.: A K NOOR, R B LOFFIN
Tech. Officer: LARC/J J REHDER
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 1 01043 **OLD DOMINION UNIV** **9313**
NASA - ASEE SUMMER FACULTY RESEARCH PROGRAM 2001
04/06/2001 - 12/31/2002 FY02: -$5,700 Total: $588,008
Prin. Invest.: B TIWARI, D DEPRIEST
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 1 01052 **OLD DOMINION UNIV** **9314**
AUTOMATED TOW PLACEMENT PROCESSING & CHARACTERI- ZATON OF COMPOSITES
06/22/2001 - 12/31/2003 FY02: $0 Total: $29,940
Prin. Invest.: R PRABHAKARAN
Tech. Officer: LARC/T H HOU
CASE Category: 13 – PHYSICS

NCC 1 02022 **OLD DOMINION UNIV** **9315**
NANOCOMPOSITE STRUCTURE-PROPERTY-PROCESS RELA- TIONSHIPS
04/08/2002 - 04/07/2005 FY02: $0 Total: $0
Prin. Invest.: M C GUPTA
Tech. Officer: LARC/T S GATES
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 02026 **OLD DOMINION UNIV** **9316**
PHOTONIC SENSORS FOR INTEGRATED SYSTEM HEALTH MONITORING
05/07/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: S ALBIN, M BUONCRISTIANI
Tech. Officer: LARC/R S ROGOWSKI
CASE Category: 45 – ELECTRICAL ENGR

NCC 1 02027 **OLD DOMINION UNIV** **9317**
THE WRIGHT FLYER TESTING PROGRAM
05/06/2002 - 05/05/2003 FY02: $0 Total: $0
Prin. Invest.: R L ASHE
Tech. Officer: LARC/E J PRIOR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02044 **OLD DOMINION UNIV** **9318**
DEV OF EXPERT JUDGEMENT ELICITATION & CALIBRATION METHODOL- OGY FOR RISK ANALYSIS CONCEPT VEHICLE DES
08/07/2002 - 08/15/2003 FY02: $0 Total: $0
Prin. Invest.: R UNAL, C KEATING, R MONROE
Tech. Officer: LARC/L L GREEN, LARC/T A ZANG
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 258 **OLD DOMINION UNIV** **9319**
PHYSICAL-BIOLOGICAL INTERACTIONS IN THE GLOBAL EQU ATORIAL SURFACE LAYER
11/17/1997 - 10/31/2001 FY02: $0 Total: $376,303
Prin. Invest.: E HOFMANN
Tech. Officer: GSFC/J MARRA
CASE Category: 11 – ASTRONOMY

NCC 5 592 **OLD DOMINION UNIV** **9320**
NASA USRP UNDERGRADUATE STUDENT RESEARCH PROGRAM, VIRGINIA SPACE GRANT CONSORTIUM.
09/19/2001 - 09/14/2004 FY02: $0 Total: $999,626
Prin. Invest.: M SANDY
Tech. Officer: GSFC/J GORMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 135 **OLD DOMINION UNIV** **9321**
VIRTUAL REALITY TRAINING/CYBERSICKNESS & EFFECTS ON SENSORMOTOR FUNCTIONS
07/20/2001 - 03/31/2003 FY02: $0 Total: $23,206
Prin. Invest.: R B LOFTIN
Tech. Officer: JSC/D L HARM
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 01001 **OLD DOMINION UNIV** **9322**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
11/02/2000 - 09/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: M D LEE
Tech. Officer: LARC/J L BURT, LARC/D B SHAFER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 01005 **OLD DOMINION UNIV** **9323**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
05/22/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: M SCERBO
Tech. Officer: LARC/R HATHAWAY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 1 01011 **OLD DOMINION UNIV** **9324**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/04/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: D A JACOBS
Tech. Officer: LARC/S D YOUNG, LARC/D L BLACKSTOCK
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NGT 1 01013 **OLD DOMINION UNIV** **9325**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/06/2001 - 12/22/2001 FY02: $0 Total: $22,000
Prin. Invest.: L VAHALA
Tech. Officer: LARC/T X NGUYEN
CASE Category: 45 – ELECTRICAL ENGR

NGT 1 01014 **OLD DOMINION UNIV** **9326**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/06/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: D H ELSAYED-ALII
Tech. Officer: LARC/R DEYOUNG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 1 01015 **OLD DOMINION UNIV** **9327**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
05/25/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: F G FREEMAN
Tech. Officer: LARC/L J PRENZEL, LARC/A T POPE
CASE Category: 69 – PSYCHOLOGY, OTHER

NGT 1 01019 **OLD DOMINION UNIV** **9328**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
05/29/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: J P BLISS
Tech. Officer: LARC/J R COMSTOCK, JR, LARC/A T POPE
CASE Category: 69 – PSYCHOLOGY, OTHER

NGT 1 01020 **OLD DOMINION UNIV** **9329**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
05/30/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: J C BLISS
Tech. Officer: LARC/K A LATORELLA, LARC/V CRISP
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 01021 **OLD DOMINION UNIV** **9330**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
05/31/2001 - 06/30/2003 FY02: $0 Total: $22,000
Prin. Invest.: D D DOVES
Tech. Officer: LARC/P C SCHUTTE
CASE Category: 69 – PSYCHOLOGY, OTHER

NGT 1 01027 **OLD DOMINION UNIV** **9331**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/12/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: J HUANG
Tech. Officer: LARC/P FERGEN
CASE Category: 46 – MECHANICAL ENGR

NGT 1 01029 **OLD DOMINION UNIV** **9332**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
06/14/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: S ZOHORIOD
Tech. Officer: LARC/D B SHAFER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 01030 **OLD DOMINION UNIV** **9333**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
06/15/2001 - 09/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: M SCERBO
Tech. Officer: LARC/J L BURT
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 02020 **OLD DOMINION UNIV** **9334**
GRADUATE STUDENT RESEARCHERS PROGRAM
07/24/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: G J MCAULIFFE, A WILLIAMS
Tech. Officer: LARC/T PINELLI
CASE Category: 69 – PSYCHOLOGY, OTHER

NGT 1 52171 **OLD DOMINION UNIV** **9335**
GRADUATE STUDENT RESEARCHERS PROGRAM
05/29/1997 - 12/31/2000 FY02: $0 Total: $77,000
Prin. Invest.: C P BRITCHER
Tech. Officer: LARC/N J GROOW
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52210 **OLD DOMINION UNIV** **9336**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/26/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: D T NGUYEN
Tech. Officer: LARC/J SOBIESKI
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52211 **OLD DOMINION UNIV** **9337**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/26/1999 - 06/30/2001 FY02: -$1 Total: $34,933
Prin. Invest.: H SAYID ELE
Tech. Officer: LARC/R J DEYOUNG
CASE Category: 45 – ELECTRICAL ENGR

NGT 1 52219 **OLD DOMINION UNIV** **9338**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/04/1999 - 06/30/2001 FY02: $0 Total: $44,001
Prin. Invest.: F G FREEMAN
Tech. Officer: LARC/A T POPE, LARC/L J PRINZED,111
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NGT 1 52220 **OLD DOMINION UNIV** **9339**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/04/1999 - 06/30/2001 FY02: $0 Total: $44,000
Prin. Invest.: G D COATES
Tech. Officer: LARC/A T POPE, LARC/L J PRINZEL, 111
CASE Category: 61 – PSYCHOLOGY BIOLOGY

NGT 1 52229 **OLD DOMINION UNIV** **9340**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
04/21/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: H ELSAVIDELE
Tech. Officer: LARC/R J DEYOUNG
CASE Category: 46 – MECHANICAL ENGR

NGT 1 52230 **OLD DOMINION UNIV** **9341**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
04/21/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: M MIHALECZ
Tech. Officer: LARC/P C SCHUTTE
CASE Category: 69 – PSYCHOLOGY, OTHER

NGT 1 52231 **OLD DOMINION UNIV** **9342**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP(
04/21/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: F G FREEMAN
Tech. Officer: LARC/L J PRINZEL
CASE Category: 69 – PSYCHOLOGY, OTHER

NGT 1 52232 **OLD DOMINION UNIV** **9343**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
04/24/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: J M STARK
Tech. Officer: LARC/J R COMSTOCK, JR, LARC/A T POPE
CASE Category: 59 – LIFE SCIENCE, OTHER

NGT 1 52235 **OLD DOMINION UNIV** **9344**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
04/25/2000 - 06/30/2001 FY02: -$1 Total: $22,000
Prin. Invest.: P HIX, S ZAHORIAN
Tech. Officer: LARC/D B SHAFER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52236 **OLD DOMINION UNIV** **9345**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
04/27/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: M SCERBO
Tech. Officer: LARC/D B SHAFER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52241 **OLD DOMINION UNIV** **9346**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/08/2000 - 05/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: D LOCKWOOD
Tech. Officer: LARC/G W SACHSE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 1 52245 **OLD DOMINION UNIV** **9347**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
07/10/2000 - 06/30/2002 FY02: $0 Total: $44,001
Prin. Invest.: R UNAL
Tech. Officer: LARC/A A MOORE
CASE Category: 42 – ASTRONAUTICAL ENGR

NGT 5 40059 **OLD DOMINION UNIV** **9348**
IN SUPPORT OF THE NATIONAL SPACE GRANT COLL PROGRAM
02/21/1997 - 01/31/2001 FY02: $0 Total: $1,733,189
Prin. Invest.: M L SANDY
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40070 **OLD DOMINION UNIV** **9349**
GENERAL AVIATION DESIGN COMPETITION FUNDING IN SUP PORT OF THE VIRGINIA NATIONAL SPACE GRANT COLL
01/03/2001 - 05/31/2002 FY02: $0 Total: $874,114
Prin. Invest.: M SANDY
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40080 **OLD DOMINION UNIV** **9350**
VIRGINIA SPACE GRANT COLL & FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $694,809
Prin. Invest.: M SANDY
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 5165 **ROANOKE COLL** **9351**
IMPROVED MODELING FOR THE COSMIC RAY ORIGIN FUNDING FOR FIRST YEAR OF GRANT
03/09/1998 - 03/31/2002 FY02: $0 Total: $115,750
Prin. Invest.: C H TSAO
Tech. Officer: GSFC/B A MERRITT
CASE Category: 13 – PHYSICS

NAG 1 1964 **UNIV OF VIRGINIA** **9352**
INTELLIGENT PROCESSING OF MATERIALS FOR DESIGN AND MANUFACTURING, ETC.
09/30/1997 - 12/31/2000 FY02: $0 Total: $4,877,789
Prin. Invest.: H N WADLEY
Tech. Officer: LARC/C MOORE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2131 **UNIV OF VIRGINIA** **9353**
DUAL-MODE COMBUSTION (FOLLOW-ON TO NAG-1-2085)
01/26/1999 - 05/31/2002 FY02: $0 Total: $469,412
Prin. Invest.: J C MCDANIEL, E H MASLAN, H K CHELLIAH
Tech. Officer: LARC/D E REUBUSH, LARC/C R MCCLINTON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2282 **UNIV OF VIRGINIA** **9354**
METALLURGICAL FACTORS CONTROLLING LOCALIZED CORROSION AND STRESS CORROSION CRACK INITIATIONIN
03/22/2000 - 02/28/2001 FY02: $0 Total: $49,501
Prin. Invest.: D A LITTLE, J R SCULLY
Tech. Officer: LARC/M S DOMACK
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 2290 **UNIV OF VIRGINIA** **9355**
PRACTICAL USE OF FORMAL TECHNIQUES IN AEROSPACE IN SOFTWARE SYSTEMS
05/01/2000 - 11/30/2002 FY02: $0 Total: $367,616
Prin. Invest.: J C KNIGHT, D E EVANS
Tech. Officer: LARC/K J HAYHURST
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 2321 **UNIV OF VIRGINIA** **9356**
DEVELOPMENT OF SENSORY ALLOYS FOR ACCOUSTIC STRAIN MONITORS
08/14/2000 - 12/31/2002 FY02: $0 Total: $129,977
Prin. Invest.: G SHIFLET
Tech. Officer: LARC/R PIASCIK
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01022 **UNIV OF VIRGINIA** **9357**
END EFFECTS AND LOAD DIFFUSION IN COMPOSITE STRUCTURES
03/21/2001 - 12/31/2001 FY02: $0 Total: $50,000
Prin. Invest.: C O HORGAN
Tech. Officer: LARC/M P NEMETH
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01051 **UNIV OF VIRGINIA** **9358**
EXPERIMENTAL CHARACTERIZATION OF CONTINUUM/ RAREFIELD FLOWS
05/18/2001 - 02/29/2004 FY02: $0 Total: $49,972
Prin. Invest.: J C MCDANIEL, JR, D E CECIL
Tech. Officer: LARC/C E GLASS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01120 **UNIV OF VIRGINIA** **9359**
UNSTEADY AERODYNAMICS OF FLAPPING WINGS
08/16/2001 - 08/31/2004 FY02: $0 Total: $50,000
Prin. Invest.: N NAJ-HARERI
Tech. Officer: LARC/D D MOERDER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02019 **UNIV OF VIRGINIA** **9360**
DUAL-MODE COMBUSTION MY 1/3
12/14/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: J C MACDANIEL, C P GOYNE
Tech. Officer: LARC/D E REUBUSH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02049 **UNIV OF VIRGINIA** **9361**
DEVELOPMENT OF SENSORY ALLOYS FOR MAGNETIC AND ACOUSTIC STRAIN MONITORS
02/06/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: G J SHIFLET
Tech. Officer: LARC/R S PIASCIK
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02090 **UNIV OF VIRGINIA** **9362**
METALS TECHNOLOGY FOR AEROSP APPLICS IN 2020: DEV OF HIGH TEMP ALUMINUM ALLOYS FOR AEROSPACE APPLIC
04/29/2002 - 04/28/2003 FY02: $0 Total: $0
Prin. Invest.: E A STARKE
Tech. Officer: LARC/D L DICUS
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02101 **UNIV OF VIRGINIA** **9363**
ADVANCED TOOLS AND TECHNIQUES FOR FORMAL TECHNIQUE S IN AEROSPACE SYSTEMS
06/17/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: J C KNIGHT
Tech. Officer: LARC/B L DIVITO
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 02102 **UNIV OF VIRGINIA** **9364**
NASA AVIATION SAFETY PROGRAM SYSTEMS ANALYSIS/PROG RAM AS-SESSMENT METRICS REVIEW
06/17/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: G E LOUIS
Tech. Officer: LARC/S M JONES, LARC/V K CRISP
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 02103 **UNIV OF VIRGINIA** **9365**
EXPANDING THE USE OF FORMAL TECHNIQUES IN AEROSPAC E SYSTEMS SEAS PROPOSAL NO:CS-NASA/LARC-1120-02
06/27/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: J C KNIGHT
Tech. Officer: LARC/C M HOLLOWAY
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 02113 **UNIV OF VIRGINIA** **9366**
EVALUATING MEASURES OF HUMAN-AUTOMATION INTERACTIO N IN PILOT SELF-SEPARATION TASKS
09/10/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: E J BASS, G L BALLARD
Tech. Officer: LARC/M T PALMER
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 1916 **UNIV OF VIRGINIA** **9367**
INSTABILITY MECHANISMS OF THERMALLY-DRIVEN INTERFA CIAL FLOWS IN LIGHT-ENCAPSULATED CRYSTALGROWTH
07/16/1996 - 07/16/2001 FY02: $0 Total: $336,000
Prin. Invest.: H HAJ-HARIRI
Tech. Officer: GRC/T GLASGOW
CASE Category: 46 – MECHANICAL ENGR

NAG 3 1928 **UNIV OF VIRGINIA** **9368**
HETEROGENEOUS COMB OF POROUS SOLLID FUEL PART UNDE R MICRO-GRAV: A COMPREHENSIVE THERO & EXPSTUDIES
07/23/1996 - 05/31/2002 FY02: $0 Total: $215,705
Prin. Invest.: H CHELLIAH, F MILLER
Tech. Officer: GRC/H ROSS
CASE Category: 46 – MECHANICAL ENGR

NAG 3 2359 **UNIV OF VIRGINIA** **9369**
RLV THRUST CELL LINER COATING ANALYSIS AND OPTIMIZ ATION
03/16/2000 - 11/30/2002 FY02: $0 Total: $81,500
Prin. Invest.: M J PINDERA
Tech. Officer: GRC/S M ARNOLD
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2524 **UNIV OF VIRGINIA** **9370**
HOMOGENIZED AND SMART HOTFGM
01/19/2001 - 11/30/2002 FY02: $0 Total: $160,057
Prin. Invest.: M PINDERA
Tech. Officer: GRC/S M ARNOLD
CASE Category: 44 – CIVIL ENGR

NAG 3 2760 **UNIV OF VIRGINIA** **9371**
DYNAMICS OF DROPS AND BUBBLES IN CONFINED FLOWS OF COMPLEX FLUIDS
04/03/2002 - 12/31/2005 FY02: $0 Total: $0
Prin. Invest.: D HAJ-HARIRI
Tech. Officer: GRC/M HASAN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3633 **UNIV OF VIRGINIA** **9372**
CHARGED PARTICLE INDUCED ALTERATIONS OF SURFACES I
03/13/1997 - 01/31/2002 FY02: $0 Total: $145,005
Prin. Invest.: R E JOHNSON
Tech. Officer: GSFC/P G ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 3931 **UNIV OF VIRGINIA** **9373**
EROSIONAL PROCESSES ON MARS
03/12/1997 - 02/28/2003 FY02: $0 Total: $293,763
Prin. Invest.: A D HOWARD
Tech. Officer: GSFC/J G GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4192 **UNIV OF VIRGINIA** **9374**
ION COLLISON PROCESSES:PLASMA INTERACTIONS WITH AN NEUTRAL CORONA
04/10/1997 - 03/31/2003 FY02: $0 Total: $408,848
Prin. Invest.: D E JOHNSON
Tech. Officer: GSFC/J BERGSTRALH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 4283 **UNIV OF VIRGINIA** **9375**
EROSION AND ALTERATION OF INTERSTELLAR AND INTERPL
04/07/1997 - 05/31/2002 FY02: $0 Total: $177,700
Prin. Invest.: D E JOHNSON
Tech. Officer: GSFC/D BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4332 **UNIV OF VIRGINIA** **9376**
SUBLIMATION AND OPTICAL PROPERTIES OF ICES AT LOW TO SOLAR SYSTEM OBJECTS
04/30/1997 - 08/31/2001 FY02: $0 Total: $193,971
Prin. Invest.: D A BARAGIOLA
Tech. Officer: GSFC/P ROGERS
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6384 **UNIV OF VIRGINIA** **9377**
THE COUPLING LAND-USE AND LAND-COVER CHANGES, AND MIOMBO WOODLANDS
09/26/1997 - 10/31/2001 FY02: -$321 Total: $569,844
Prin. Invest.: P DESANKER
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6403 **UNIV OF VIRGINIA** **9378**
CRITICAL TESTS OF STELLAR EVOLUTION (LTSA)
10/10/1997 - 10/14/2002 FY02: $0 Total: $400,799
Prin. Invest.: R O'CONNELL
Tech. Officer: GSFC/R K OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 6828 **UNIV OF VIRGINIA** **9379**
GAS EVOLUTION FROM ICY SURFACES
01/15/1998 - 07/31/2001 FY02: $0 Total: $130,643
Prin. Invest.: R BARAGIOLA
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 7266 **UNIV OF VIRGINIA** **9380**
SOUTHERN AFRICAN VALIDATION OF EOS GROUND AND AIRB ORNE INSTRUMENTATION AND VALIDATION ACTIVITIES
04/30/1998 - 08/30/2001 FY02: $0 Total: $499,858
Prin. Invest.: R J SWAPP
Tech. Officer: GSFC/J PRIVETTE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7500 **UNIV OF VIRGINIA** **9381**
MAGNETOHYDRODYNAMICS OF THE SOLAR NEBULA
06/01/1998 - 05/31/2002 FY02: $0 Total: $164,000
Prin. Invest.: S BALBUS
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 7749 **UNIV OF VIRGINIA** **9382**
SPUTTERING OF THE MARTIAN ATMOSPHERE
11/04/1998 - 12/31/2002 FY02: $0 Total: $173,751
Prin. Invest.: R E JOHNSON
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 7862 **UNIV OF VIRGINIA** **9383**
SAFARI 2000: A SOUTHERN AFRICAN REGIONAL SCIENCE I NITIATIVE
01/08/1999 - 10/31/2002 FY02: $0 Total: $252,864
Prin. Invest.: C O JUSTICE
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7939 **UNIV OF VIRGINIA** **9384**
"COLLABORATIVE PARTICIPATION OF SOUTH AFRICAN AIRB ORNE VALIDATION PLATFORM IN SAFARI2000"
01/04/1999 - 09/14/2001 FY02: $0 Total: $300,704
Prin. Invest.: R J SWAP
Tech. Officer: GSFC/M KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7956 **UNIV OF VIRGINIA** **9385**
LAND SURFACE CHARACTERIZATION OF SOUTHERN AFRICAN SAVANNAS: CARBON CYCLING AND SENSITIVITY TO E
01/07/1999 - 01/31/2003 FY02: $0 Total: $605,642
Prin. Invest.: H H SHUGART
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8088 **UNIV OF VIRGINIA** **9386**
SUPERNOVA-INFLUENCED STAR FORMATION
01/27/1999 - 12/31/2002 FY02: $0 Total: $130,000
Prin. Invest.: D A CHEVALIER
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8130 **UNIV OF VIRGINIA** **9387**
MODELS OF PULSAR NEBULAE (ATP 98)
02/11/1999 - 02/14/2003 FY02: $0 Total: $185,500
Prin. Invest.: R A CHEVALIER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8162 **UNIV OF VIRGINIA** **9388**
LAND COVER AND LAND USE CHANGE PROJECT SCIENTIST S UPPORT
02/08/1999 - 08/31/2001 FY02: -$3,983 Total: $533,552
Prin. Invest.: C O JUSTICE
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8232 **UNIV OF VIRGINIA** **9389**
SUPERNOVA REMNANTS: INTERSTELLAR AND CIRCUMSTELLAR INTERACTIONS (ATP98)
02/11/1999 - 02/14/2002 FY02: $0 Total: $180,000
Prin. Invest.: R A CHEVALIER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 8444 **UNIV OF VIRGINIA** **9390**
LABORATORY SIMULATIONS OF RADIATION EFFECTS ON PLA NETARY SURFACES
04/07/1999 - 05/31/2002 FY02: $0 Total: $164,000
Prin. Invest.: R A BARAGIOLA
Tech. Officer: HQ/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 8663 **UNIV OF VIRGINIA** **9391**
LOW COST TERAHERTZ FREQUENCY MULTIPLIERS FOR SOFIA AND EXPLORER MISSIONS
07/07/1999 - 01/14/2002 FY02: $0 Total: $267,552
Prin. Invest.: T CROWE
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 45 – ELECTRICAL ENGR

NAG 5 8670 **UNIV OF VIRGINIA** **9392**
ESTIMATING ROOT ZONE SOIL MOISTURE AND EXPLORING SCALE ASPECTS OF ITS COUPLING TO THE ATMOSPHERIC
07/08/1999 - 07/14/2003 FY02: $0 Total: $346,695
Prin. Invest.: J D ALBERTSON
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8749 **UNIV OF VIRGINIA** **9393**
TO DEVELOPE A COMPACT, AMBIENT TEMPERATURE 500 GHZ RECEIVER FOR USE IN PASSIVE MICROWAVE REMOTE SEN
08/25/1999 - 09/30/2001 FY02: $0 Total: $97,000
Prin. Invest.: J L HESLER
Tech. Officer: GSFC/J R WANG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8902 **UNIV OF VIRGINIA** **9394**
MARTIAN CRATERED HIGHLANDS FIELD CONFERENCE
12/28/1999 - 12/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: A HOWARD
Tech. Officer: GSFC/J GRANT
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8954 **UNIV OF VIRGINIA** **9395**
FAR-ULTRAVIOLET STUDIES OF METAL-DEFICIENT BLUE COMPACT DWARF GALAXIES - FUSE
01/24/2000 - 01/31/2003 FY02: $0 Total: $54,300
Prin. Invest.: T X THUAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9266 **UNIV OF VIRGINIA** **9396**
NUMERICAL MAGNETOHYDRODYNAMIC STUDIES OF ACCRETION DISKS (ATP 99)
03/13/2000 - 03/14/2003 FY02: $0 Total: $184,364
Prin. Invest.: J HAWLEY
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9289 **UNIV OF VIRGINIA** **9397**
OPERATIONALIZING GOFC IN THE MIOMBO REGION & QUES TIONS OF CARBON MIOMBO REGION A SOURCE ORSINK
03/27/2000 - 04/30/2003 FY02: $0 Total: $216,693
Prin. Invest.: P V DESANKER
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9357 **UNIV OF VIRGINIA** **9398**
REGIONAL ANALYSIS OF LAND-ATMOSPHERE FEEDBACKS IN SOUTHERN AFRICAN SAVANNAS: A SYNTHESIS ACTIVITIES
04/05/2000 - 04/30/2003 FY02: $0 Total: $463,121
Prin. Invest.: H H SHUGART
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9654 **UNIV OF VIRGINIA** **9399**
PRODUCTION OF DIABATIC HEATING IN THE TROPICAL TROPOSPHERE
06/05/2000 - 05/31/2003 FY02: $0 Total: $183,333
Prin. Invest.: J D FUENTES
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9747 **UNIV OF VIRGINIA** **9400**
INTEGRATING A MANUAL THESAURUS WITH AUTOMATED TERM SUGGESTION TECHNIQUES FOR CROSS-DISCIPLINARY
07/11/2000 - 01/14/2002 FY02: $0 Total: $82,338
Prin. Invest.: J FRENCH
Tech. Officer: GSFC/K MOE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 9758 **UNIV OF VIRGINIA** **9401**
MOLECULAR ISTOPIC COMPOSITION OF ORGANIC COMPOUNDS IN ANTARCTIC METEORITES
06/28/2000 - 06/30/2003 FY02: $0 Total: $51,810
Prin. Invest.: S MACKO
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 9900 **UNIV OF VIRGINIA** **9402**
ARE THE SCUBA DEEP SURVEY SOURCES STARBURSTS OR AGN?
09/06/2000 - 09/14/2001 FY02: $0 Total: $12,300
Prin. Invest.: T X THUAN
Tech. Officer: GSFC/R F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10074 **UNIV OF VIRGINIA** **9403**
STELLAR MASS LOSS VERSUS EXTERNAL ACCRETION IN X-RAY BRIGHT ELLIPTICALS
10/27/2000 - 10/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: C L SARAZIN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10075 **UNIV OF VIRGINIA** **9404**
MERGER SHOCKS IN CLUSTERS OF GALAXIES
10/27/2000 - 10/31/2003 FY02: $0 Total: $38,700
Prin. Invest.: C L SARAZIN
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10173 UNIV OF VIRGINIA 9405
CHARGED PARTICLE ALTERATIONS OF THE SURFACES IN THE OUTER SOLAR SYSTEM
12/21/2000 - 01/31/2004 FY02: $0 Total: $39,000
Prin. Invest.: R E JOHNSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10250 UNIV OF VIRGINIA 9406
OBSERVATIONS OF O VI EMISSION IN THE HOT HALO OF NGC 891 (FUSE 00)
02/15/2001 - 02/14/2003 FY02: $0 Total: $69,997
Prin. Invest.: E M MURPHY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10341 UNIV OF VIRGINIA 9407
THE INTERSTELLAR MEDIUM OF BLUE COMPACT DWARF GALAXIES (FUSE 00)
02/05/2001 - 02/14/2003 FY02: $0 Total: $77,800
Prin. Invest.: T X THUAN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10436 UNIV OF VIRGINIA 9408
STRUCTURE & REFLECTANCE OF SURFACES OF ICY BODIES: LABORATORY SIMULATIONS
02/20/2001 - 02/28/2003 FY02: $0 Total: $50,500
Prin. Invest.: R A BARAGIOLA
Tech. Officer: GSFC/D SENSKE
CASE Category: 11 – ASTRONOMY

NAG 5 10606 UNIV OF VIRGINIA 9409
ANALYSIS OF IN-SITU OBSERVATIONS OF AEROSOLS OVER SOUTHERN AFRICA
03/15/2001 - 03/14/2004 FY02: $0 Total: $71,973
Prin. Invest.: R SWAP
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10655 UNIV OF VIRGINIA 9410
MAGNETOHYDRODYNAMICS IN PROTOSTELLAR DISKS
03/20/2001 - 05/31/2003 FY02: $0 Total: $30,000
Prin. Invest.: S BALBUS
Tech. Officer: GSFC/J M BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10956 UNIV OF VIRGINIA 9411
ADVANCED IMAGE PROCESSING FOR IMAGE2000 ENHANCE- MENTS
05/30/2001 - 05/31/2002 FY02: $0 Total: $50,000
Prin. Invest.: G WILLIAMS
Tech. Officer: WFF/B MERRITT
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NAG 5 10985 UNIV OF VIRGINIA 9412
SOUTHERN AFRICAN VALIDATION OF EOS GROUND AND AIR- BORNE INSTRUMENTATION AND VALIDATION ACTIVITIES
05/31/2001 - 05/31/2002 FY02: $0 Total: $58,997
Prin. Invest.: R J SWAPP
Tech. Officer: GSFC/J PRIVETTE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11341 UNIV OF VIRGINIA 9413
CARPE GIS MAPPING ACTIVITY
09/24/2001 - 09/30/2002 FY02: $0 Total: $9,004
Prin. Invest.: C O JUSTICE
Tech. Officer: GSFC/C J TUCKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11647 UNIV OF VIRGINIA 9414
EROSIONAL PROCESSES ON MARS
01/24/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: A D HOWARD
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11771 UNIV OF VIRGINIA 9415
MOLECULAR SYNTHESIS AND DESORPTION IN PRE-COMETARY ICY GRAINS: LABORATORY SIMULATIONS
03/26/2002 - 02/28/2005 FY02: $0 Total: $0
Prin. Invest.: R A BARAGIOLA
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 11953 UNIV OF VIRGINIA 9416
SOFTWARE QUALITY & SAFETY ASSESSMENT USING BAYESIA N BELIEF NETWORKS
04/08/2002 - 04/14/2005 FY02: $0 Total: $0
Prin. Invest.: D B DUGAN
Tech. Officer: GSFC/L H ROSENBERG
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 12025 UNIV OF VIRGINIA 9417
THESAURUS SUPPORT FOR EARTH SCIENCE DATA SYSTEMS.
04/22/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: J C FRENCH
Tech. Officer: GSFC/K MOE
CASE Category: 22 – COMPUTER SCIENCE

NAG 5 12055 UNIV OF VIRGINIA 9418
RADIATION CHEMISTRY OF PLANETARY SURFACES: SYNTHES IS AND DECOMPOSTION
04/19/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: R A BARAGIOLA
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 12061 UNIV OF VIRGINIA 9419
ATMOSPHERIC COLLISION PROCESSES
04/18/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: R E JOHNSON
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12102 UNIV OF VIRGINIA 9420
LARGE-SCALE STRUCTURE OF MAGNETOCENTRIFUGAL JETS A ND WINDS IN STAR FORMATION
04/24/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: Z LI
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12262 **UNIV OF VIRGINIA** **9421**
THE DISK-HALO CONNECTION IN THE SPIRAL GALAZY M101
06/04/2002 - 06/14/2003 FY02: $0 Total: $0
Prin. Invest.: R W O'CONNELL
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12267 **UNIV OF VIRGINIA** **9422**
ELIPTICAL GALAXIES (FUSE 2001)
06/24/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: R W O'CONNEL
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12405 **UNIV OF VIRGINIA** **9423**
2002 COMPREHENSIVE HEDS EDUCATION PROGRAM EVALUATI ON TEAM
08/01/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: D BALL
Tech. Officer: GSFC/D HALE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12472 **UNIV OF VIRGINIA** **9424**
RADIATION -INDUCED EROSION AND ALTERATION OF GRAIN S
08/15/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: R E JOHNSON
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 12609 **UNIV OF VIRGINIA** **9425**
OBSERVATIONS OF O VI EMISSION IN THE HALO OF NGC 4 631
09/26/2002 - 09/30/2003 FY02: $0 Total: $0
Prin. Invest.: E M MURPHY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12620 **UNIV OF VIRGINIA** **9426**
LABORATORY STUDIES IN SUPPORT OF NEAR DATA ANALYSIS
09/30/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: R A BARAGIOLA
Tech. Officer: GSFC/T MORGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1567 **UNIV OF VIRGINIA** **9427**
MEMBRANE PROTEIN CRYSTALLIZATION SCREENS BASED UPON FUNDA-MENTAL PHENOMENOLOGY OF SOLUTIONS
12/22/1998 - 11/30/2003 FY02: $0 Total: $459,550
Prin. Invest.: M C WIENER
Tech. Officer: MSFC/B GUYNES
CASE Category: 13 – PHYSICS

NAG 8 1832 **UNIV OF VIRGINIA** **9428**
A DIRECTED APPROACH TO MEMBRANE PROTEIN CRYSTALLO- GRAPHY
09/05/2001 - 11/30/2004 FY02: $0 Total: $91,000
Prin. Invest.: M C WIENER
Tech. Officer: MSFC/B Q GUYNES
CASE Category: 59 – LIFE SCIENCE, OTHER

NAS 1 02076 **UNIV OF VIRGINIA** **9429**
ASSAP/GALILEO SOFTWARE TOOL MAINTENANCE AND IMPROV EMENTS AND FEASIBILITY STUDY
09/26/2002 - 09/26/2004 FY02: $0 Total: $0
Prin. Invest.: K J SULLIVAN, J B DUGAN
Tech. Officer: LARC/J A CARABALLO
CASE Category: 49 – ENGINEERING, OTHER

NAS 1 99098 **UNIV OF VIRGINIA** **9430**
ANALYTICAL AERONAUTICAL SAFETY SOFTWARE TOOL
03/26/1999 - 10/31/2002 FY02: $0 Total: $700,087
Prin. Invest.: J BECHTA-DUGAN, K J SULLIZAN
Tech. Officer: LARC/H A ROELANT, LARC/D J PORTER,JR.
CASE Category: 49 – ENGINEERING, OTHER

NCC 1 342 **UNIV OF VIRGINIA** **9431**
ROBUST ADAPTIVE CONTROL IN THE PRESENCE OF UNCERTAINTIES AND FAILURES
06/08/1999 - 05/31/2003 FY02: $0 Total: $129,001
Prin. Invest.: G TAO
Tech. Officer: LARC/S M JOSHI, LARC/C M BELCASTRO
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 361 **UNIV OF VIRGINIA** **9432**
NONLINEAR IMPEDANCE OF POROUS MATERIALS
11/12/1999 - 11/14/2002 FY02: $0 Total: $106,473
Prin. Invest.: W E ZORUMSKI
Tech. Officer: LARC/T L PARROTT, LARC/M G JONES
CASE Category: 13 – PHYSICS

NCC 1 01009 **UNIV OF VIRGINIA** **9433**
DEVELOPMENT & EVALUATION OF LAP JOINT SIMULANT ENVIRONMENTS FOR ACCELERATED TESTING
12/14/2000 - 12/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: R G KELLY
Tech. Officer: LARC/R S PIASCIK
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 02006 **UNIV OF VIRGINIA** **9434**
DIRECT ADAPTIVE CONTROL METHODOLOGIES FOR SYSTEMS IN THE PRESENCE OF UNCERTAINTIES AND FAILURES
01/09/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: G TAO
Tech. Officer: LARC/S M JOSHI
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 02019 **UNIV OF VIRGINIA** **9435**
LOAD DIFFUSION IN COMPOSITE AND SMART STRUCTURES
03/29/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: C O HORGAN
Tech. Officer: LARC/D R AMBUR, LARC/M P NEMETH
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1093 **UNIV OF VIRGINIA** **9436**
WHEN ARE THE IMMERSIVE DISPLAYS USEFUL: PERCEPTUAL & TASK CONSIDERATIONS?
03/09/1999 - 08/31/2002 FY02: $0 Total: $441,768
Prin. Invest.: D R PROFFITT
Tech. Officer: ARC/M K KAISER
CASE Category: 69 – PSYCHOLOGY, OTHER

NCC 2 1192 **UNIV OF VIRGINIA** **9437**
THE TOPOGRAPHY & BASIN DEPOSITS OF THE EQUATORIAL HIGHLANDS
08/28/2000 - 08/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: A D HOWARD
Tech. Officer: ARC/J M MOORE
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NCC 2 5415 **UNIV OF VIRGINIA** **9438**
THEORETICAL CALCULATIONS OF POLYNUCLEAR TRANSITION METAL CARBONYLS
01/19/2001 - 01/31/2003 FY02: $0 Total: $60,000
Prin. Invest.: L S ANDREWS
Tech. Officer: ARC/H PARTRIDGE
CASE Category: 12 – CHEMISTRY

NCC 8 171 **UNIV OF VIRGINIA** **9439**
MODELING PROSTATE CANCER SKELETAL METASTASIS AND GENE THERAPY
03/01/1999 - 07/31/2001 FY02: $0 Total: $463,100
Prin. Invest.: L W CHUNG
Tech. Officer: MSFC/D R MORRISON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 1 01016 **UNIV OF VIRGINIA** **9440**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
06/22/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: B W JOHNSON
Tech. Officer: LARC/P M GOODE, LARC/A T MORRIS
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NGT 1 01031 **UNIV OF VIRGINIA** **9441**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/2
06/22/2001 - 06/30/2003 FY02: $0 Total: $12,000
Prin. Invest.: J C MCDANIEL, JR
Tech. Officer: LARC/C E GLASS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 02007 **UNIV OF VIRGINIA** **9442**
GRADUATE STUDENT RESEARCHER PROGRAM (GSRP)
06/07/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: J C MCDANIEL, P D CAMPBELL
Tech. Officer: LARC/C E GLASS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 52237 **UNIV OF VIRGINIA** **9443**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
04/27/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: C R ELKS
Tech. Officer: LARC/P W GOODE, LARC/A T MORRIS
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NGT 1 52244 **UNIV OF VIRGINIA** **9444**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
08/07/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: R W KENT
Tech. Officer: LARC/L E JONES
CASE Category: 49 – ENGINEERING, OTHER

NGT 1 52247 **UNIV OF VIRGINIA** **9445**
GRADUATE STUDENT RESEARCHERS PROGRAM
08/01/2000 - 06/30/2001 FY02: $0 Total: $22,000
Prin. Invest.: J C MCDANIEL JR, D E CECIL
Tech. Officer: GSFC/C E GLASS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 30365 **UNIV OF VIRGINIA** **9446**
NEE MODIFICATION BY AEROSOL RADIATIVE FORCING/JORD AN G. BARR
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: J FUENTES
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30418 **UNIV OF VIRGINIA** **9447**
STRUCTURAL DYNAMICS OF SOUTHERN AFRICAN SAVANNAS A LONG THE KALAHARI TRANSECT--STUDENT:KELLY C
09/10/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: H SHUGART
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30448 **UNIV OF VIRGINIA** **9448**
ESTIMATION OF THE CARBON BUDGET RESPONSE TO LAND U SE CHANGE FOR THE MIOMBO ECOSYSTEM OF SOUTHERN AF
08/23/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: P DESANKER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50305 **UNIV OF VIRGINIA** **9449**
USING NOVEL MEMBRANE PROTEIN CRYSTALLIZATION SCREE NS FOR THE STRUCTURE DETERMINATION OF ACHLORIDE
07/07/2000 - 06/30/2003 FY02: $0 Total: $42,252
Prin. Invest.: M C WIENER
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50385 **UNIV OF VIRGINIA** **9450**
MODELING OF SATURN'S NEUTRAL TORUS AND SPUTTER-PRO DUCED SATELLITE ATMOSPHERES STUDENT: MICH
05/23/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: R JOHNSON
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT10 52620 **UNIV OF VIRGINIA** **9451**
TRAINING GRANT UNDER A GRADUATE STUDENT RESEARCHER'S PROGRAM
06/22/1999 - 12/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: A MILLS
Tech. Officer: KSC/R WHEELER
CASE Category: 55 – AGRICULTURE

NAG 1 2106 **VA POLYTECHNIC INST & ST UNIV** **9452**
EVALUATION AND IMPROVEMENT OF EARTH RADIATION BUDGET DATA SETS
09/17/1998 - 09/30/2001 FY02: $0 Total: $674,454
Prin. Invest.: M P HAEFFELIN
Tech. Officer: LARC/D F YOUNG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2158 **VA POLYTECHNIC INST & ST UNIV** **9453**
HYBRID ACTIVE-PASSIVE SYSTEMS FOR CONTROL OF AIRCR AFT INTERIOR NOISE
03/09/1999 - 03/31/2002 FY02: $0 Total: $414,882
Prin. Invest.: C R FULLER
Tech. Officer: LARC/D L PALUMBO
CASE Category: 46 – MECHANICAL ENGR

NAG 1 2190 **VA POLYTECHNIC INST & ST UNIV** **9454**
EFFICIENT HYBRID ACTUATION USING SOLID-STATE ACTUATORS
07/06/1999 - 04/30/2002 FY02: $0 Total: $314,123
Prin. Invest.: D J LEO, H H CUDNEY
Tech. Officer: LARC/G C HORNER, LARC/R G REMUS
CASE Category: 46 – MECHANICAL ENGR

NAG 1 2272 VA POLYTECHNIC INST & ST UNIV 9455
AERODYNAMIC STUDIES RELATED TO THE AEROACOUSTICS OF TILTROTOR BLADES
03/24/2000 - 02/28/2003 FY02: $0 Total: $160,000
Prin. Invest.: W J DAVENPORT
Tech. Officer: LARC/C L BURLEY, LARC/T F BROOKS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2277 VA POLYTECHNIC INST & ST UNIV 9456
FINITE ELEMENT MODEL UPDATING OF UNCERTAIN SYSTEMS
03/08/2000 - 07/31/2002 FY02: $0 Total: $62,117
Prin. Invest.: R KAPANIA
Tech. Officer: LARC/L G HORTA, LARC/J JUANG
CASE Category: 46 – MECHANICAL ENGR

NAG 1 2298 VA POLYTECHNIC INST & ST UNIV 9457
RESIDUAL STRESS EFFECTS IN ANISOTROPIC COMPOSITE LAMINATES
05/24/2000 - 05/15/2003 FY02: $0 Total: $80,000
Prin. Invest.: M W HYER
Tech. Officer: LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2309 VA POLYTECHNIC INST & ST UNIV 9458
ANALYSIS FOR THE PROGRESSIVE FAILURE RESPONSE OF TEXTILE COMPOSITE FUSELAGE FRAMES
06/14/2000 - 06/09/2001 FY02: $0 Total: $49,312
Prin. Invest.: E R JOHNSON
Tech. Officer: LARC/R L BOITNOTT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 2310 VA POLYTECHNIC INST & ST UNIV 9459
PUNCTURE-HEALING PROPERTIES OF CARBON NANOTUBE- FILLED IONOMERS
07/05/2000 - 07/31/2003 FY02: $0 Total: $102,870
Prin. Invest.: T C WARD
Tech. Officer: LARC/E J SIOCHI, LARC/T L ST. CLAIR
CASE Category: 12 – CHEMISTRY

NAG 1 2324 VA POLYTECHNIC INST & ST UNIV 9460
FORMATION OF METAL NANAPHASES IN POLYMERIC MATRICES VIA SUPERCRITICAL FLUID INFUSION
08/24/2000 - 04/30/2001 FY02: $0 Total: $39,053
Prin. Invest.: L T TAYLOR
Tech. Officer: LARC/T L ST.CLAIR, LARC/E J SIOCHI
CASE Category: 12 – CHEMISTRY

NAG 1 2325 VA POLYTECHNIC INST & ST UNIV 9461
FUNDAMENTAL STUDIES OF HQ TUBES WITH MODE MEASURE- MENTS
08/30/2000 - 08/15/2001 FY02: $0 Total: $62,316
Prin. Invest.: R A BURDISSO
Tech. Officer: LARC/C H GERHOLD, LARC/J W POSEY
CASE Category: 46 – MECHANICAL ENGR

NAG 1 01007 VA POLYTECHNIC INST & ST UNIV 9462
NONLINEAR AEROELASTICITY OF LIFTING SURFACES BY FUNCTIONAL SERIES TECHNIQUES: SUBCRITICAL
11/21/2000 - 09/30/2001 FY02: $0 Total: $50,000
Prin. Invest.: L LEBESCU
Tech. Officer: LARC/W A SILVA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01018 VA POLYTECHNIC INST & ST UNIV 9463
OPTICAL FIBER STRAIN SENSOR INSTRUMENTATION FOR HIGH TEMPERATURE AEROSPACE STRUCTURAL MONITORING
01/18/2001 - 12/31/2001 FY02: $0 Total: $66,999
Prin. Invest.: A WANG, G PICKRELL, R MAY
Tech. Officer: LARC/R S ROGOWSKI
CASE Category: 45 – ELECTRICAL ENGR

NAG 1 01072 VA POLYTECHNIC INST & ST UNIV 9464
FAILURE OF NONCIRCULAR COMPOSITE CYLINDERS MY 1/3
04/24/2001 - 05/15/2004 FY02: $0 Total: $42,000
Prin. Invest.: M W HYER
Tech. Officer: LARC/M P NEMETH
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01100 VA POLYTECHNIC INST & ST UNIV 9465
STUDY OF REQUIREMENTS ASND CONSTRAINTS FOR FOUR PASSENGER PERSONAL AIR VEHICLE EXPLORATION CONCEPT
06/16/2001 - 02/15/2002 FY02: $0 Total: $50,000
Prin. Invest.: J MARCHMAN, W MASON
Tech. Officer: LARC/M D MOORE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01101 VA POLYTECHNIC INST & ST UNIV 9466
THIN-WALLED STRUCTURES MULTIPLE INTERACTIVE FUNCTIONS-FOUNDATIONS OF THE THEORY AND BEHAVIOR
07/16/2001 - 07/15/2004 FY02: $0 Total: $35,000
Prin. Invest.: L LIBRESCU
Tech. Officer: LARC/D R AMBUR
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01104 VA POLYTECHNIC INST & ST UNIV 9467
INTEGRATION OF MACRO FIBER COMPOSITES INTO THE DYNAMICS AND CONTROL OF AN INFLATED TORUS
06/16/2001 - 06/15/2002 FY02: $0 Total: $39,999
Prin. Invest.: D J INMAN
Tech. Officer: LARC/W K WILKIE
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 1 01105 VA POLYTECHNIC INST & ST UNIV 9468
EVOLUTIONARY STRATEGIES FOR PASSIVE/ACTIVE TAILORING OF THIN AND MODERATELY THICK WALLED
06/20/2001 - 06/19/2004 FY02: $0 Total: $43,517
Prin. Invest.: Z GURDAL
Tech. Officer: LARC/D R AMBUR
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 01112 VA POLYTECHNIC INST & ST UNIV 9469
NEW MEAS & INTERPRETATION PROTOCOLS FOR SATELLITE- BASED EARTH RADIATION BUDGET (ERB) OBSERVATIONS
08/15/2001 - 09/30/2004 FY02: $0 Total: $36,835
Prin. Invest.: M A HAEFFELIN
Tech. Officer: LARC/D F YOUNG
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 01123 VA POLYTECHNIC INST & ST UNIV 9470
ANALYSIS FOR THE PROGRESSIVE FAILURE RESPONSE OF TEXTILE COMPOSITE FUSELAGE FRAMES
09/18/2001 - 07/31/2002 FY02: $0 Total: $19,000
Prin. Invest.: E R JOHNSON
Tech. Officer: LARC/R B OITNOTT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01125 VA POLYTECHNIC INST & ST UNIV 9471
UNCERTAINITY AND CONFIDENCE INTERVALS IN RADIOMETRIC INSTRUMENT DATA PRODUCTS
10/15/2001 - 10/14/2002 FY02: $25,830 Total: $25,830
Prin. Invest.: J R MAHAN
Tech. Officer: LARC/R B LEE, LARC/R L HUFFMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02011 VA POLYTECHNIC INST & ST UNIV 9472
OPEN/CLOSED LOOP NONLINEAR AEROELASTICITY OF AIRCRAFT WINGS
11/28/2001 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: LIBRESCU
Tech. Officer: LARC/W A SILVA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02024 VA POLYTECHNIC INST & ST UNIV 9473
MULTIDISCIPLINARY DESIGN OPTIMIZTN INVESTIGATION ADVANCED DESIGN CONCEPTS APPLIED BLENDED WING-BODY
12/21/2001 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: S M PROCTOR
Tech. Officer: LARC/R A HATHAWAY, LARC/M D GUYEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02025 VA POLYTECHNIC INST & ST UNIV 9474
POLYNOMIAL CHAOS IN FLUID MECHANICS
12/19/2001 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: B GROSSMAN, R W WALTERS
Tech. Officer: LARC/J H MORRISON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02053 VA POLYTECHNIC INST & ST UNIV 9475
ADVANCED DISTRIBUTED ACTIVE VIBRATION ABSORBERS DAVA'S FOR REDUCING AIRCRAFT INTERIOR NOISE
02/13/2002 - 02/12/2005 FY02: $0 Total: $0
Prin. Invest.: C R FULLER
Tech. Officer: LARC/D L PALUMBO
CASE Category: 46 – MECHANICAL ENGR

NAG 1 02063 VA POLYTECHNIC INST & ST UNIV 9476
A PROGRAM TO DEVELOP SHAPE MEMORY ALLOYS FOR SENSING AND MORPHING APPLICATIONS
03/06/2002 - 03/05/2005 FY02: $0 Total: $0
Prin. Invest.: W T REYNOLDS
Tech. Officer: LARC/R S PIASCIK
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 1 02084 VA POLYTECHNIC INST & ST UNIV 9477
CONTROL OF LANDING GEAR NOISE
04/22/2002 - 04/21/2006 FY02: $0 Total: $0
Prin. Invest.: R A BURDISSO, W NG
Tech. Officer: LARC/M R KHORRAMI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02106 VA POLYTECHNIC INST & ST UNIV 9478
DEVELOPMENT AND OPERATION OF VIRGINIA FIRST LEGO LEAGUE (VAFLL) (FOLLOW-ON TO NAG-1-01021)
07/23/2002 - 03/31/2003 FY02: $0 Total: $0
Prin. Invest.: B DUGGINS
Tech. Officer: LARC/J M SEATON, LARC/J L EVANS
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 02108 VA POLYTECHNIC INST & ST UNIV 9479
PROGRAM TO DEVELOP INTEGRATED JP-7 PLASMA-INJECTOR FLAMEHOLDER FOR SUPERSONIC COMBUSTION
07/29/2002 - 08/09/2005 FY02: $0 Total: $0
Prin. Invest.: J A SCHETZ
Tech. Officer: LARC/D E REUBUSH
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 02111 VA POLYTECHNIC INST & ST UNIV 9480
INVESTIGATION OF ADAPTIVE STRUCTURES FOR MORPHING AIRCRAFT
08/30/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: H H ROBERTSHAW, D J INMAN, C F REINHOLTZ
Tech. Officer: LARC/G C HORNER
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1486 VA POLYTECHNIC INST & ST UNIV 9481
PERFORMANCE PREDICTION & VALIDATION FOR SMALL VTOL UAV'S
06/18/2001 - 02/28/2002 FY02: $0 Total: $123,980
Prin. Invest.: A MYKLEBUST
Tech. Officer: ARC/T NAUMONICE, ARC/C E HANGE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1521 VA POLYTECHNIC INST & ST UNIV 9482
ACCELERATING DESIGN INTEGRATED AIRCRAFT SYNTHESIS TOOLS
09/10/2001 - 08/31/2003 FY02: $0 Total: $159,020
Prin. Invest.: A MYKLEBUST, J H BOHN
Tech. Officer: ARC/D A WARDWELL
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2093 VA POLYTECHNIC INST & ST UNIV 9483
AN INTEGRATED SYSTEMS APPROACH TOWARDS ACTIVE CONT ROL OF THERMO-ACOPUSTIC INSTABILITIES
12/15/1997 - 10/31/2001 FY02: $0 Total: $292,803
Prin. Invest.: U VANDSBURGER, W R SAUNDERS, B GANESHAN
Tech. Officer: GRC/J E MAY
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2100 VA POLYTECHNIC INST & ST UNIV 9484
DURABILITY OF CERAMIC MATRIX COMPOSITES AT HIGH TE MPERATURES: EXPERIMENTAL STUDIES& PRODICTIVE MO
01/06/1998 - 11/19/2001 FY02: $0 Total: $200,184
Prin. Invest.: W A CURTIN
Tech. Officer: GRC/M H JASKOWIAK
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 3 2687 VA POLYTECHNIC INST & ST UNIV 9485
A DESIGN METHODOLOGY FOR RAPID IMPLEMENTATION OF A CTIVE CONTROL SYSTEMS ACROSS LEANDIRECT INJECTIO
01/10/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: W R SAUNDERS
Tech. Officer: GRC/J R SAUS
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2694 VA POLYTECHNIC INST & ST UNIV 9486
FAN NOISE CONTROL USING HERSCHEL-QUINCKE RESONATOR S
01/17/2002 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: D A BURDISSO
Tech. Officer: GRC/L J HEIDELBERG
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2710 VA POLYTECHNIC INST & ST UNIV 9487
PREDICTING MODES OF THE UNSTEADY VORTICITY FIELD N EAR THE TRAILING EDGE OF A BLADE
02/14/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: W J DEVENPORT
Tech. Officer: GRC/E ENVIA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2733 VA POLYTECHNIC INST & ST UNIV 9488
BASIC HIGH REYNOLDS NUMBER 3-D TURBULENT BOUNDARY LAYER EXPERIMENTS ON LAGS TO IMPROVE SECOND-ORDER
03/08/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: R L SIMPSON
Tech. Officer: GRC/L A POVINELLI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 3 2796 VA POLYTECHNIC INST & ST UNIV 9489
COMPUTATIONAL THERMOCHEMISTRY OF JET FUELS AND ROC KET PROPELLANTS
08/06/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: T CRAWFORD
Tech. Officer: GRC/M ZEHE
CASE Category: 12 – CHEMISTRY

NAG 4 218 VA POLYTECHNIC INST & ST UNIV 9490
RESEARCH AND DEVELOPMENT OF SCRAMJET SKIN FRICTION AND HEAT FLUX INSTRUMENTATION FOR FLIGHT RESEARC
01/31/2001 - 09/17/2002 FY02: $0 Total: $75,000
Prin. Invest.: J A SCHETZ
Tech. Officer: DFRC/T T BUI
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 5295 VA POLYTECHNIC INST & ST UNIV 9491
IONOSPHERIC NANOSATELLITE FORMATION (ION-F) SCIENCE
06/01/2000 - 05/25/2003 FY02: $0 Total: $99,070
Prin. Invest.: W SCALES
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 9291 VA POLYTECHNIC INST & ST UNIV 9492
ION-F: A SPACE-BASED TESTBED FOR DISTRIBUTED FORMA TION CONTROL USING THE HOKIESAT NANOSATELLITE
03/17/2000 - 03/31/2003 FY02: $0 Total: $157,000
Prin. Invest.: C HALL
Tech. Officer: GSFC/K LUU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 10548 VA POLYTECHNIC INST & ST UNIV 9493
NET ECOSYSTEM PRODUCTIVITY OF MANAGED FORESTS
03/14/2001 - 03/14/2004 FY02: $0 Total: $107,659
Prin. Invest.: R WYNNE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10733 VA POLYTECHNIC INST & ST UNIV 9494
FLUID AND MELT INCLUSION STUDIES OF VOLATILES IN PLANETARY SAMPLES
04/11/2001 - 04/14/2002 FY02: $0 Total: $25,000
Prin. Invest.: R BODNAR
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10818 VA POLYTECHNIC INST & ST UNIV 9495
"CONTROL EFFECTIVENESS FOR LEONARDO MISSION ORBITS "
04/24/2001 - 01/31/2002 FY02: $0 Total: $40,000
Prin. Invest.: C HALL
Tech. Officer: GSFC/S HUGHES
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 11315 VA POLYTECHNIC INST & ST UNIV 9496
TETHERED FORMATION FLYING STUDY-CROSS ENTERPRISE TECH. DEV. PROGRAM
09/05/2001 - 08/31/2004 FY02: $0 Total: $32,447
Prin. Invest.: C HALL
Tech. Officer: GSFC/D QUINN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12119 VA POLYTECHNIC INST & ST UNIV 9497
TIME-OPTIMAL CONTROL FOR FORMATION ESTABLISHMENT & MANEUVERING
04/29/2002 - 05/30/2003 FY02: $0 Total: $0
Prin. Invest.: D HALL
Tech. Officer: GSFC/D FOLTA
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 8 1846 VA POLYTECHNIC INST & ST UNIV 9498
MATERIAL CHARACTERIZATION OF ELASTOMERIC ADHESIVE
08/09/2001 - 02/08/2003 FY02: $0 Total: $66,983
Prin. Invest.: D A DILLIARD
Tech. Officer: MSFC/M E PRINCE
CASE Category: 47 – METAL & MATERIALS ENGR

NCA 1 01002 VA POLYTECHNIC INST & ST UNIV 9499
VA POLYTECHNIC INST FOR NAT. DECISION SPT SIM MODEL FRAMEWORK DEV
03/15/2001 - 10/31/2001 FY02: $0 Total: $94,100
Prin. Invest.: A A TRANI, H SWINGLE
Tech. Officer: LARC/S A COOKE
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 346 VA POLYTECHNIC INST & ST UNIV 9500
A UNIFIED PROGRAM FOR THE FLIGHT DYNAMICS AND AERO SERVOELASTICITY OF WHOLE AIRCRAFT
06/17/1999 - 12/15/2002 FY02: $0 Total: $115,000
Prin. Invest.: L MEIROVITCH
Tech. Officer: LARC/M R WAZAK
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 367 VA POLYTECHNIC INST & ST UNIV 9501
LOW SPEED ROTOR/FUSELAGE INTERACTIONAL AERODYNAMICS
01/12/2000 - 10/30/2002 FY02: $0 Total: $137,867
Prin. Invest.: D D BOYD, R W BARNWELL
Tech. Officer: LARC/H E JONES
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 398 VA POLYTECHNIC INST & ST UNIV 9502
INTERFACE FINITE ELEMENTS FOR ANALYSIS OF FRACTURE INITIATION & PROGRESSION
05/15/2000 - 05/14/2003 FY02: $0 Total: $107,278
Prin. Invest.: E R JOHNSON
Tech. Officer: LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 405 VA POLYTECHNIC INST & ST UNIV 9503
SCIENTIFIC INVESTIGATIONS WITH RADIATION BUDGET DATA
08/10/2000 - 08/15/2003 FY02: $0 Total: $135,383
Prin. Invest.: G L SMITH
Tech. Officer: LARC/R B LEE III, LARC/R L HUFFMAN JR.
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 01029 VA POLYTECHNIC INST & ST UNIV 9504
DEVELOPMENT OF AN EFFICIENT BINAURAL SIMULATION FOR THE ANALYSIS OF STRUCTURAL ACOUSTIC DATA
03/14/2001 - 12/31/2002 FY02: $0 Total: $50,757
Prin. Invest.: M E JOHNSON
Tech. Officer: LARC/S A RIZZI
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 1 01037 VA POLYTECHNIC INST & ST UNIV 9505
VARTM MODEL DEVELOPMENT AND VERIFICATION
04/12/2001 - 04/11/2004 FY02: $0 Total: $74,989
Prin. Invest.: A C LOOS
Tech. Officer: LARC/R J CANO, LARC/B J JENSEN
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 01044 VA POLYTECHNIC INST & ST UNIV 9506
NEW NANO-SPHERE MATERIALS: MAGNETIC AND DIELECTRIC PROOERTIES OF THE A3N@C80 ENDOHEDRAL
04/12/2001 - 01/12/2004 FY02: $0 Total: $70,650
Prin. Invest.: H C DORN
Tech. Officer: LARC/C C FAY
CASE Category: 12 – CHEMISTRY

NCC 1 02014 VA POLYTECHNIC INST & ST UNIV 9507
LOW SPEED ROTOR/ FUSELAGE INTERACTIONAL AERODYNAMI CS
02/20/2002 - 02/27/2002 FY02: $0 Total: $0
Prin. Invest.: R W BARNWELL, D S PRICHARD
Tech. Officer: LARC/H E JONES, LARC/H E JONES
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 5433 VA POLYTECHNIC INST & ST UNIV 9508
AEROELASTIC DESIGN OF WINGS USING NON-TRADITIONAL METHODS
04/25/2001 - 09/30/2002 FY02: $0 Total: $47,023
Prin. Invest.: R K KAPANIA
Tech. Officer: ARC/T L HOLST, ARC/G GURASWANY
CASE Category: 22 – COMPUTER SCIENCE

NCC 3 866 VA POLYTECHNIC INST & ST UNIV 9509
HIGH TEMPERATURE PROTON EXCHANGE MEMBRANDS FOR FUE L CELLS
02/20/2001 - 03/31/2003 FY02: $0 Total: $69,815
Prin. Invest.: J E MCGRATH
Tech. Officer: GRC/M B MEADOR
CASE Category: 12 – CHEMISTRY

NGT 1 01002 VA POLYTECHNIC INST & ST UNIV 9510
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
11/14/2000 - 10/31/2001 FY02: $0 Total: $17,721
Prin. Invest.: J J KELLEY
Tech. Officer: LARC/R H THOMAS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 01003 VA POLYTECHNIC INST & ST UNIV 9511
GRADUATE STUDENT RESEARCHERS PROGRAM
01/26/2001 - 12/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: T C WARD
Tech. Officer: LARC/E J SIOCHI, LARC/J A HINKLEY
CASE Category: 12 – CHEMISTRY

NGT 1 01033 VA POLYTECHNIC INST & ST UNIV 9512
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/22/2001 - 06/30/2004 FY02: $0 Total: $12,000
Prin. Invest.: T LONG
Tech. Officer: LARC/E J SIOCHI
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 01035 VA POLYTECHNIC INST & ST UNIV 9513
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP) MY 1/3
06/25/2001 - 01/23/2002 FY02: $0 Total: $22,000
Prin. Invest.: D P TELIONES
Tech. Officer: LARC/A E WASHBURN, LARC/W L SELLERS
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 1 01038 VA POLYTECHNIC INST & ST UNIV 9514
GSRP
09/10/2001 - 12/31/2002 FY02: $0 Total: $10,000
Prin. Invest.: M AHMADIAN
Tech. Officer: LARC/D L PALUMBO
CASE Category: 46 – MECHANICAL ENGR

NGT 1 02014 VA POLYTECHNIC INST & ST UNIV 9515
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/07/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: D J INMAN, R B WILLIAMS
Tech. Officer: LARC/W K WILKE
CASE Category: 46 – MECHANICAL ENGR

NGT 1 52184 VA POLYTECHNIC INST & ST UNIV 9516
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
05/12/1998 - 06/30/2001 FY02: $0 Total: $78,000
Prin. Invest.: J BURTON
Tech. Officer: LARC/J M SEATON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NGT 1 52224 VA POLYTECHNIC INST & ST UNIV 9517
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
09/27/1999 - 08/31/2002 FY02: $0 Total: $44,000
Prin. Invest.: G J OGLE
Tech. Officer: LARC/J M SEATON
CASE Category: 22 – COMPUTER SCIENCE

NGT 1 52246 VA POLYTECHNIC INST & ST UNIV 9518
TRAINING GRANT - ADAPTIVE SYSTEM IDENTIFICATION AN D CONTROL TECHNIQUES FOR STRUCTURAL NOISE REDUC-
08/25/2000 - 06/14/2001 FY02: $0 Total: $36,543
Prin. Invest.: M AHMODEON
Tech. Officer: LARC/D L PALOMBO
CASE Category: 49 – ENGINEERING, OTHER

NGT 1 52248 VA POLYTECHNIC INST & ST UNIV 9519
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
08/01/2000 - 06/30/2002 FY02: $0 Total: $34,001
Prin. Invest.: A M SMITH, J R MAHAN
Tech. Officer: LARC/K J PRIESTLEY, LARC/R B LEE III
CASE Category: 46 – MECHANICAL ENGR

NGT 5 30198 VA POLYTECHNIC INST & ST UNIV 9520
ESTIMATING FOREST VEGETATION BIOMASS USING AIRBORN E LIDAR MEASUREMENTS STUDENT: SORIN POPESCU
08/24/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: R H WYNNE
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 50260 VA POLYTECHNIC INST & ST UNIV 9521
A SHARED AUGMENTED REALITY SYSTEM FOR COMMUNICATIO N ACROSS ENVIRONMENTS STUDENT: WILLIAM STADERMAN
07/07/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: B M KLEINER
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50425 VA POLYTECHNIC INST & ST UNIV 9522
NOVEL APPROACHES TO ESTABLISHING VALIDITY & RELIAB ILITY OF MECHANICAL RESPONSE TISSUE ANALYSIS: T
08/14/2002 - 08/14/2005 FY02: $0 Total: $0
Prin. Invest.: W G HERBERT
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52909 VA POLYTECHNIC INST & ST UNIV 9523
DEVELOPMENT OF SELF-MONITORING AND SELF-HEALING BOLTD JOINTS
05/25/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: D J INMAN
Tech. Officer: MSFC/S NASH-STEVENSON
CASE Category: 46 – MECHANICAL ENGR

NAG 1 2302 VIRGINIA COMMONWEALTH UNIV 9524
ELECTRIC FIELD-MEDIATED PROCESSING OF POLYMERS
06/07/2000 - 01/14/2002 FY02: $1 Total: $38,513
Prin. Invest.: G E WNEK, T W HAAS, G L BOWLIN
Tech. Officer: LARC/J S HARRISON, LARC/E J SIOCHI
CASE Category: 43 – CHEMICAL ENGR

NAG 1 01042 VIRGINIA COMMONWEALTH UNIV 9525
A MINIATURE EMBEDDED RECONFIGURABLE COMPUTER AND LOGIC MODULE
04/09/2001 - 05/22/2002 FY02: $0 Total: $39,957
Prin. Invest.: J H TUCKER
Tech. Officer: LARC/Q A SHAMS
CASE Category: 45 – ELECTRICAL ENGR

NAG 8 1484 VIRGINIA COMMONWEALTH UNIV 9526
R/S GAS PHASE POLYMERIZATION AND NUCLEATION EXPERIMENTS IN MICROGRAVITY
02/01/1998 - 01/31/2003 FY02: $0 Total: $430,000
Prin. Invest.: M S EL-SHALL
Tech. Officer: MSFC/P M DOTY
CASE Category: 12 – CHEMISTRY

NAS 9 19539 VIRGINIA COMMONWEALTH UNIV 9527
NEUROLAB EXPERIMENT DOCUMENT FOR E-049
02/22/1996 - 09/30/2002 FY02: $0 Total: $915,438
Prin. Invest.: D ECKBURG
Tech. Officer: JSC/A LEE
CASE Category: 56 – MEDICL

NAS 9 19541 VIRGINIA COMMONWEALTH UNIV 9528
AUTONOMIC MECHANISMS DURING PROLONGED WEIGHTLESSNE SS
03/14/1996 - 02/28/2002 FY02: $0 Total: $749,668
Prin. Invest.: H B CHERMSIDE
Tech. Officer: JSC/C M BUNTIN
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NCC 1 02013 VIRGINIA COMMONWEALTH UNIV 9529
FEXIBLE, HIGH PERFORMANCE, HIGH STABILITY SENSORS/ ACTUATORS FOR AEROSPACE APPLICATIONS
02/14/2002 - 02/13/2004 FY02: $0 Total: $0
Prin. Invest.: Z OUNAIES
Tech. Officer: LARC/J S HARRISON
CASE Category: 46 – MECHANICAL ENGR

NCC 3 645 VIRGINIA COMMONWEALTH UNIV 9530
INVESTIGATION OF BOUNDARY LAYER DEVELOPMENT I LOW- PRESSURE TURBINE STAGES
09/03/1998 - 10/31/2000 FY02: $0 Total: $127,310
Prin. Invest.: D J DORNEY
Tech. Officer: GRC/D E ASHPIS
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 9 87 VIRGINIA COMMONWEALTH UNIV 9531
MEDICAL INFORMANTICS AND TECH APPLICATIONS CONSORTIUM
07/01/1999 - 10/31/2002 FY02: $0 Total: $5,772,199
Prin. Invest.: R C MERRELL
Tech. Officer: JSC/J S LOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 148 VIRGINIA COMMONWEALTH UNIV 9532
MEDICAL INFORMATICS & TECHNOLOGY APPLICATIONS TEST BED
01/22/2002 - 10/30/2002 FY02: $0 Total: $0
Prin. Invest.: R C MERRELL
Tech. Officer: JSC/J S LOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

WASHINGTON

NAG 5 7672 CENTRAL WASHINGTON UNIV 9533
FUNDING FOR 'VARIATIONS IN SEA LEVEL CHANGE ALONG THE CASCADIA MARGIN..'(SENH98-0083)
09/01/1998 - 06/30/2002 FY02: $0 Total: $294,208
Prin. Invest.: M MILLER
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10501 CENTRAL WASHINGTON UNIV 9534
APPLICATIONS OF DIGITAL ELEVATION MODELS TO THE ACTIVE TECTON-ICS & PALEOCLIMATE OF CENTRAL ASIA
03/02/2001 - 02/28/2003 FY02: $0 Total: $19,000
Prin. Invest.: C RUBIN
Tech. Officer: GSFC/H V FREY
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 6034 HERITAGE COLL 9535
ENHANCING SCIENCE TEACHER TRAINING USING WATER RES OURCES & GLOBE
06/10/1999 - 03/31/2002 FY02: $0 Total: $512,930
Prin. Invest.: P T ALEXANDER
Tech. Officer: ARC/A CARDENAS, ARC/G S LEE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG13 02057 HERITAGE COLL 9536
PAIR-INCORPORATION OF SATELLITE IMAGERY ANALYSIS I N ENVIRON-MENT AND COMPUTER SCIENCE CIRRICULA
09/23/2002 - 09/30/2006 FY02: $0 Total: $0
Prin. Invest.: D FALCO
Tech. Officer: SSC/D TRAVIS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG13 99027 HERITAGE COLL 9537
APPLICATION OF REMOTELY SENSED INFORMATION TO EN- VIRONMENTAL PROBLEMS OF HISPANICS AND NATIVE AM
09/08/1999 - 09/26/2001 FY02: $0 Total: $198,642
Prin. Invest.: J W FALCO
Tech. Officer: SSC/R TRAVIS
CASE Category: 62 – PSYCHOLOGY SOCIAL ASPECTS

NAG 5 11836 UNIV OF PUGET SOUND 9538
EVOLUTION OF SEA ICE THICKNESS DISTRIBUTION DERIVE D FROM MODELING AND REMOTE SENSING
03/18/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: A THORNDIKE
Tech. Officer: GSFC/W ABDALATI
CASE Category: 33 – OCEANOGRAPHY

NAG 5 12328 UNIV OF PUGET SOUND 9539
BIOGEOCHEMISTRY OF IRON IN A NEAR-NEUTRAL PH IRON- DEPOSITING HOT SPRING WITH PHOTOTROPHIC MICROBIAL
06/27/2002 - 06/30/2005 FY02: $0 Total: $0
Prin. Invest.: B PIERSON
Tech. Officer: GSFC/M MEYER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2072 UNIV OF WASHINGTON 9540
COORD'D PARAMETERIZATION DEV & LG-EDDY SIMULATION FOR MARINE & ARCTIC CLOUD-TOPPED BOUNDARY LAYERS
06/12/1998 - 03/31/2002 FY02: $0 Total: $236,000
Prin. Invest.: C S BRETHERTON
Tech. Officer: LARC/D S MCDOUGAL, LARC/J RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2079 UNIV OF WASHINGTON 9541
AIRBORNE STUDIES IN THE ARCTIC IN SUPPORT OF FIRE III
06/12/1998 - 03/11/2003 FY02: $0 Total: $736,064
Prin. Invest.: P V HOBBS, D A HEGG
Tech. Officer: LARC/D S MCDOUGAL, LARC/J RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2193 UNIV OF WASHINGTON 9542
DYNAMICAL COUPLING OF STRATOSPHERE & TROPOSPHERE
05/12/1999 - 09/30/2002 FY02: $0 Total: $354,994
Prin. Invest.: J R HOLTON
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 2296 UNIV OF WASHINGTON 9543
PROBABILISTIC STRUCTURAL INSPECTION OPTIMIZATION WITH BAYESIAN UPDATING OF DAMAGE CHARACTERISTICS
06/01/2000 - 06/30/2002 FY02: $0 Total: $130,000
Prin. Invest.: K Y LIN
Tech. Officer: LARC/W J STOUD, LARC/I S RAJU
CASE Category: 49 – ENGINEERING, OTHER

NAG 1 01029 UNIV OF WASHINGTON 9544
INTEGRATED AEROSERVOELASTIC OPTIMIZATION OF FULL- SCALE STRAIN-ACTUATED AIRPLANES: TOOLSDEVELOP-
02/15/2001 - 12/31/2003 FY02: $0 Total: $53,000
Prin. Invest.: E LIVNE
Tech. Officer: LARC/C D WIESEMAN, LARC/R C SCOTT
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 1 01078 UNIV OF WASHINGTON 9545
TOUGHENED RESIN DEVELOPMENT AND COMPOSITE SYSTEMS FOR VARTM APPLICATIONS
05/24/2001 - 05/30/2004 FY02: $0 Total: $118,500
Prin. Invest.: J C SEFERIS
Tech. Officer: LARC/B J JENSEN, LARC/R J CANO
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 2 1450 UNIV OF WASHINGTON 9546
NETWORK SERVER PARADIGMS FOR AIR TRAFFIC MANAGEMEN T AUTO- MATION
12/14/2000 - 12/31/2002 FY02: $0 Total: $27,939
Prin. Invest.: S DEVASIA
Tech. Officer: ARC/G MEYER
CASE Category: 49 – ENGINEERING, OTHER

NAG 2 1514 UNIV OF WASHINGTON 9547
THE ROLE OF THE HOMEOBOX TRASCRIPTION FACTOR, CPRO X1, IN DEVELOPMENT OF THE VESTIBULAR PERIPHERY IN
08/17/2001 - 07/14/2003 FY02: $0 Total: $71,220
Prin. Invest.: J S STONE
Tech. Officer: ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1538 UNIV OF WASHINGTON 9548
INTERLEAVED CONTINGENT PLANNING AND EXECUTION
02/25/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: D WELD
Tech. Officer: ARC/R A MORRIS, ARC/D SMITH
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 1865 UNIV OF WASHINGTON 9549
INDIUM MONO-ION OSCILLATOR II
07/23/1996 - 01/01/2001 FY02: $0 Total: $450,000
Prin. Invest.: W NAGOURNEY, M DEHMELT
Tech. Officer: GRC/B S SINGH
CASE Category: 13 – PHYSICS

NAG 3 2379 UNIV OF WASHINGTON 9550
BUOYANCY-DRIVEN INSTABILITIES IN SINGLE-BUBBLE SON OLUMINES- CENCE (REF.# 123814)
04/04/2000 - 11/30/2003 FY02: $0 Total: $160,000
Prin. Invest.: T J MATULA
Tech. Officer: GRC/N R HALL
CASE Category: 49 – ENGINEERING, OTHER

NAG 3 2455 UNIV OF WASHINGTON 9551
PRESSURE SENSITIVE (PSP) FOR TWO SENSOR LIFETIME M EASUREMENT OF PRESSURE AND TEMPERATURE
06/07/2000 - 12/31/2002 FY02: $0 Total: $105,000
Prin. Invest.: D GOUTERMAN
Tech. Officer: GRC/T BENCIC
CASE Category: 12 – CHEMISTRY

NAG 3 2517 UNIV OF WASHINGTON 9552
INVESTIGATION OF THE LIFTOFF AND BLOWOUT OF TRANSITIONAL AND TURBULENT JET FLAMES
01/09/2001 - 11/30/2004 FY02: $0 Total: $80,000
Prin. Invest.: D RILEY
Tech. Officer: GRC/J E BROOKER
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 3121 **UNIV OF WASHINGTON** **9553**
A STUDY OF MAGNETIC ACCRETION IN VV PUP AND BL HYI
10/18/1995 - 10/31/2000 FY02: $0 Total: $20,346
Prin. Invest.: P SZKODY
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 4375 **UNIV OF WASHINGTON** **9554**
POLAR EXCHANGE AT THE SEA SURFACE
06/11/1997 - 05/31/2001 FY02: $0 Total: $2,914,703
Prin. Invest.: D A ROTHROCK
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4540 **UNIV OF WASHINGTON** **9555**
THERMAL HISTORY OF LUNAR CRUSTAL ROCKS
05/06/1997 - 06/14/2002 FY02: $0 Total: $165,000
Prin. Invest.: D S MCCALLUM
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 4712 **UNIV OF WASHINGTON** **9556**
TITLE: THE REGIONAL AMAZON MODEL SYNOPTIC SCALE H BIO-GEOCHEMICAL CYCLES FROM EOS (EOSRAM)
06/23/1997 - 06/30/2001 FY02: $0 Total: $1,169,956
Prin. Invest.: J RICHEY
Tech. Officer: GSFC/A C JANETOS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4739 **UNIV OF WASHINGTON** **9557**
RADIATIVE TRANSFER IN SNOW TERRAIN FOR APPLICATION REMOTE SENSING
06/17/1997 - 03/14/2001 FY02: $0 Total: $106,208
Prin. Invest.: L TSANG
Tech. Officer: GSFC/A T CHANG
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 4795 **UNIV OF WASHINGTON** **9558**
TRMM VALIDATION: INTEGRATION OF TRMM SATELLITE AN DATA TO DETERMINE TROPICAL HEATING
09/08/1997 - 03/15/2001 FY02: $0 Total: $806,179
Prin. Invest.: R A HOUZE,JR.
Tech. Officer: GSFC/R W LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 5183 **UNIV OF WASHINGTON** **9559**
DROPPS: DISTRIBUTION AND ROLE OF PARTICLES IN THE POLAR SUMMER MESOSPHERE
03/13/1998 - 03/31/2002 FY02: $0 Total: $168,353
Prin. Invest.: R H HOLZWORTH
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5190 **UNIV OF WASHINGTON** **9560**
ATMOSPHERIC LIGHTNING ATMOSPHERIC LIGHTNING
04/16/1998 - 04/20/2002 FY02: $0 Total: $201,960
Prin. Invest.: M MCCARTHY
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5294 **UNIV OF WASHINGTON** **9561**
IONOSPHERIC NANOSATELLITE FORMATION (ION-F) SCIENCE
06/01/2000 - 05/25/2003 FY02: $0 Total: $91,092
Prin. Invest.: J D SAHR
Tech. Officer: GSFC/J C BRINTON
CASE Category: 13 – PHYSICS

NAG 5 6067 **UNIV OF WASHINGTON** **9562**
IMPACT OF FOREST CLEARCUTTING IN THE PACIFIC NORTH OD EVENTS
07/28/1997 - 07/31/2001 FY02: $0 Total: $255,000
Prin. Invest.: A GILLESPIE
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6101 **UNIV OF WASHINGTON** **9563**
CLIMATE PROCESSES OVER THE OCEAN
07/24/1997 - 07/31/2001 FY02: $0 Total: $1,674,000
Prin. Invest.: D HARTMANN
Tech. Officer: GSFC/J A CURRAN
CASE Category: 33 – OCEANOGRAPHY

NAG 5 6463 **UNIV OF WASHINGTON** **9564**
BROADBAND INFRARED THERMOMETER MEASUREMENTS FOR MO DIS VALIDATION
10/14/1997 - 03/31/2003 FY02: $0 Total: $801,752
Prin. Invest.: A T JESSUP
Tech. Officer: GSFC/D O STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6493 **UNIV OF WASHINGTON** **9565**
VALIDATION OF RADARSAT GEOPHYSICAL PROCESSOR SYSTE MS PRODUCTS
10/27/1997 - 09/30/2001 FY02: $0 Total: $366,447
Prin. Invest.: R LINDSAY
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6505 **UNIV OF WASHINGTON** **9566**
"ESTIMATION OF FLOOD HAZARDS THROUGH REMOTE S ENSI NG AND MODELING (SENH 06-0114, LETTENMAIR AND WOO
10/24/1997 - 04/30/2001 FY02: $0 Total: $152,500
Prin. Invest.: D LETTENMAIER
Tech. Officer: GSFC/H FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 6626 **UNIV OF WASHINGTON** **9567**
CODES TO ENABLE DIRECT SIMULATION OF SOLAR SYSTEM FORMATION.
11/17/1997 - 11/14/2001 FY02: $0 Total: $451,354
Prin. Invest.: G LAKE
Tech. Officer: GSFC/J FISCHER
CASE Category: 11 – ASTRONOMY

NAG 5 6924 **UNIV OF WASHINGTON** **9568**
GRANT
02/04/1998 - 01/31/2001 FY02: $0 Total: $478,269
Prin. Invest.: G PARKS
Tech. Officer: GSFC/M HESSE
CASE Category: 13 – PHYSICS

NAG 5 7114 **UNIV OF WASHINGTON** **9569**
WIND DATA ANALYSIS USING THE 3-D INSTRUMENT
03/31/1998 - 03/31/2002 FY02: $0 Total: $392,000
Prin. Invest.: G PARKS
Tech. Officer: GSFC/K OGILVIE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 7278 UNIV OF WASHINGTON 9570
XTE PROPOSAL - THE OUTBURST CYCLE OF V803 CEN
04/15/1998 - 04/30/2001 FY02: $0 Total: $10,353
Prin. Invest.: P SZKODY
Tech. Officer: GSFC/J SWANK
CASE Category: 11 – ASTRONOMY

NAG 5 7330 UNIV OF WASHINGTON 9571
XTE PROPOSAL - TIMING THE X-RAY SOURCE IN NCG 6652 : THE REMAINING LUNMINOUS GLOBULAR CLUSTER
04/24/1998 - 04/30/2002 FY02: $0 Total: $20,200
Prin. Invest.: B MARGON
Tech. Officer: GSFC/L KALUZIENSKI
CASE Category: 11 – ASTRONOMY

NAG 5 7495 UNIV OF WASHINGTON 9572
MAPPING THE SPATIAL DISTRIBUTION AND TIME EVOLUTIO N OF SNOW-WATER EQUIVALENT WITH PASSIVE MICROWAVE
06/29/1998 - 09/14/2001 FY02: $0 Total: $350,000
Prin. Invest.: L TSANG
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7526 UNIV OF WASHINGTON 9573
EVALUATION OF OCEANIC COOL-SKIN AND WARM LAYER MOD ELS USING LONG-TERM MEASUREMENTS
06/08/1998 - 05/31/2002 FY02: $0 Total: $435,721
Prin. Invest.: A T JESSUP
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7550 UNIV OF WASHINGTON 9574
AIRBORNE MICROWAVE IMAGING OF RIVER VELOCITIES
06/30/1998 - 12/31/2001 FY02: $0 Total: $330,000
Prin. Invest.: W J PLANT
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7604 UNIV OF WASHINGTON 9575
CIS NET: IN SITU AND REMOTE MONITORING OF PRODUCTI VITY AND NUTRIENT CYCLES IN PUGET SOUND
07/21/1998 - 09/30/2001 FY02: $0 Total: $179,832
Prin. Invest.: B FROST
Tech. Officer: GSFC/J W MARRA
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7675 UNIV OF WASHINGTON 9576
UTILIZATION OF THE UNIV OF WASHINGTON'S AIRBORN ME ASUREMENTS FOR STUDIESOF THE RADIATIVEEFFECTS OF
09/09/1998 - 08/31/2003 FY02: $0 Total: $396,062
Prin. Invest.: P V HOBBS
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7732 UNIV OF WASHINGTON 9577
POLAR UVI MISSION DATA ANALYSIS EXTENDED MISSION
09/29/1998 - 09/30/2001 FY02: $0 Total: $1,141,740
Prin. Invest.: G K PARKS
Tech. Officer: GSFC/R HOFFMAN
CASE Category: 13 – PHYSICS

NAG 5 7819 UNIV OF WASHINGTON 9578
EOS OBSERVATION RESOURCE
12/14/1998 - 12/31/2001 FY02: $0 Total: $549,872
Prin. Invest.: P V HOBBS
Tech. Officer: GSFC/M D KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7847 UNIV OF WASHINGTON 9579
VARIABILITY OF NET PRECIPITATION OVER ANTARCTIC SE A ICE AND ITS EFFECTS ON ICE-OCEAN INTERACTIONS
11/23/1998 - 12/31/2002 FY02: $0 Total: $328,625
Prin. Invest.: A SCHWEIGER
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7886 UNIV OF WASHINGTON 9580
VALIDATION OF ACOUSTICAL RAINFALL MEASUREMENTS
12/02/1998 - 09/30/2001 FY02: $0 Total: $201,504
Prin. Invest.: J A NYSTUEN
Tech. Officer: GSFC/O W THIELE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7932 UNIV OF WASHINGTON 9581
THE COUNTERPARTS OF THE LUMINOUS, BURSTING X-RAY S OURCES IN GLOBULAR CLUSTERS - LTSA98
01/04/1999 - 01/14/2004 FY02: $0 Total: $141,508
Prin. Invest.: S F ANDERSON
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8089 UNIV OF WASHINGTON 9582
SOLAR WIND/IONOSPHERIC COUPLING IN THE MASS LOADIN G OF THE MAGNETOSPHEREAND THE FORMATION OF THE GE
01/28/1999 - 02/28/2003 FY02: $0 Total: $224,963
Prin. Invest.: R M WINGLEE
Tech. Officer: GSFC/J SHARBER
CASE Category: 11 – ASTRONOMY

NAG 5 8109 UNIV OF WASHINGTON 9583
AIRBORNE IN SITU MEASUREMENTS FOR TRMM VALIDATION STUDIES AT KWAJALEIN
02/08/1999 - 02/14/2003 FY02: $0 Total: $690,698
Prin. Invest.: P V HOBBS
Tech. Officer: GSFC/R W LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8164 UNIV OF WASHINGTON 9584
TOOLS TO PROBE THE OUTER COMETARY SYSTEM AND TO SI MULATE THE FORMATION AND EVOLUTION OFTHE SOLAR
02/08/1999 - 01/31/2003 FY02: $0 Total: $470,969
Prin. Invest.: G LAKE
Tech. Officer: GSFC/P HUNTER
CASE Category: 11 – ASTRONOMY

NAG 5 8296 UNIV OF WASHINGTON 9585
DYNAMICS AND THERMODYNAMICS OF THE NORTH PACIFIC O CEAN
02/23/1999 - 08/31/2002 FY02: $0 Total: $456,973
Prin. Invest.: K KELLY
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8363 UNIV OF WASHINGTON 9586
VALIDATION OF THE LIDAR RETRIEVAL OF AEROSOL EXTIN CTION
03/15/1999 - 03/14/2001 FY02: $0 Total: $168,058
Prin. Invest.: D S COVERT
Tech. Officer: GSFC/M MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8374 UNIV OF WASHINGTON 9587
ANALYSIS OF ASCA AND ROSAT OBSERVATIONS OF CATACLY SMIC VARIABLES_(ADP98
03/03/1999 - 03/14/2001 FY02: $0 Total: $20,000
Prin. Invest.: P SZKODY
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8684 UNIV OF WASHINGTON 9588
INVESTIGATION OF THE RELATIONSHIPS BETWEEN AEROSOL PHYSICAL AND CHEMICAL PROPERTIES
07/16/1999 - 07/14/2002 FY02: $0 Total: $43,841
Prin. Invest.: D A HEGG
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8784 UNIV OF WASHINGTON 9589
MOTOR PROTEINS AS SHUTTLES FOR DIRECTED TRANSPORT IN SYNTHETIC MATRICES
09/27/1999 - 01/31/2003 FY02: $0 Total: $477,605
Prin. Invest.: V VOGEL
Tech. Officer: GSFC/S DAVISON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8801 UNIV OF WASHINGTON 9590
"AIRCRAFT SUPPORT FOR SAFARI-2000"
12/13/1999 - 12/14/2001 FY02: $0 Total: $582,932
Prin. Invest.: P V HOBBS
Tech. Officer: GSFC/M D KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8966 UNIV OF WASHINGTON 9591
O VI EMISSION LINES IN HYADES F STARS - FUSE
01/24/2000 - 01/31/2003 FY02: $0 Total: $33,400
Prin. Invest.: E H BOHM-VITENSE
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 8981 UNIV OF WASHINGTON 9592
THE ORIGIN OF PECULIAR UV LINE RATIOS IN MAGNETIC CATACLYSMIC VARIABLES - FUSE
01/24/2000 - 01/31/2002 FY02: $0 Total: $14,900
Prin. Invest.: P SZKODY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9022 UNIV OF WASHINGTON 9593
"UNIV OF WASHINGTON PARTICIPATION IN SAFARI- 2000"
02/08/2000 - 02/14/2003 FY02: $0 Total: $467,176
Prin. Invest.: P V HOBBS
Tech. Officer: GSFC/M D KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9086 UNIV OF WASHINGTON 9594
ENHANSING THE LASER-LUNAR RANGING TEST OF THE STRONG EQUIVALENCE PRINCIPLE
02/17/2000 - 01/31/2003 FY02: $0 Total: $77,500
Prin. Invest.: J GUNDLACH
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 9250 UNIV OF WASHINGTON 9595
ION-F: A SPACE-BASED TESTBED FOR DISTRIBUTED FORMA TION CONTROL USING THE DAWGSTAR NANOSAT
03/17/2000 - 03/31/2002 FY02: $0 Total: $87,000
Prin. Invest.: M CAMPELL
Tech. Officer: GSFC/K LUU
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 9324 UNIV OF WASHINGTON 9596
NEXT GENERATION SPACE TELESCOPE (NGST) AD HOC SCIENCE WORKING GROUP (ASWG) ACTIVITY
03/21/2000 - 03/14/2001 FY02: $0 Total: $22,779
Prin. Invest.: B MARGON
Tech. Officer: GSFC/E P SMITH
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 9334 UNIV OF WASHINGTON 9597
ROLE OF THE POLAR OCEANS IN GLOBAL CLIMATE
06/19/2000 - 08/31/2003 FY02: $0 Total: $485,000
Prin. Invest.: D A ROTHROCK
Tech. Officer: GSFC/K PATRINGTON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9416 UNIV OF WASHINGTON 9598
UNDERSTANDING WATER, CLIMATE AND GLOBAL CHANGE: A GEWEX GLOBAL WATER AND ENERGY PATHFINDER DATA SET
04/25/2000 - 04/30/2003 FY02: $0 Total: $111,665
Prin. Invest.: D LETTENMAIER
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9454 UNIV OF WASHINGTON 9599
TERRESTRIAL HYDROLOGY & CLIMATE STUDIES USING EOS- ERA DATA
05/17/2000 - 04/14/2003 FY02: $0 Total: $154,023
Prin. Invest.: D LETTENMAIER
Tech. Officer: GSFC/P HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9657 UNIV OF WASHINGTON 9600
RELATIONSHIP BETWEEN PRECIPITATING CONVECTION AND EASTERLY WAVE DYNAMICS IN THE WESTERN CENTRAL PACI
06/22/2000 - 05/31/2003 FY02: $0 Total: $147,000
Prin. Invest.: C BRETHERTON
Tech. Officer: GSFC/R LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9668 UNIV OF WASHINGTON 9601
COMBINED USE OF TRMM SATELLITE GROUND-VALIDATION DATA TO MAP CONVECTIVE & STRATIFORM PRECIPITATION
06/19/2000 - 11/30/2002 FY02: $0 Total: $290,070
Prin. Invest.: R A HOUZE
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 11 – ASTRONOMY

NAG 5 9720 UNIV OF WASHINGTON 9602
JOINT-PROBABILITY ANALYSIS OF THE NATURAL VARIABIL ITY OF TROPICAL OCEANIC PRECIPITATION
06/21/2000 - 06/30/2003 FY02: $0 Total: $231,083
Prin. Invest.: S E YUTER
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9830 UNIV OF WASHINGTON 9603
USE OF TRMM DATA TO EVALUATE BENEFITS OF POST-2002 GLOBAL PRECIPITATION MISSION FOR LAND SURFACE HYD
08/23/2000 - 08/31/2003 FY02: $0 Total: $124,000
Prin. Invest.: D LETTENMAIER
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9835 UNIV OF WASHINGTON 9604
MICROWAVE PASSIVE REMOTE SENSING OF SNOW: SCATTER ING MODELS
07/26/2000 - 05/31/2003 FY02: $0 Total: $44,104
Prin. Invest.: L TSANG
Tech. Officer: GSFC/A T CHANG
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9854 UNIV OF WASHINGTON 9605
SEA ICE KINEMATICS & THICKNESS FROM RGPS: OBSERVA TIONS & THEORY
08/03/2000 - 09/30/2002 FY02: $0 Total: $197,355
Prin. Invest.: H STERN
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9906 UNIV OF WASHINGTON 9606
ESTIMATION OF WEST ANTARCTIC MASS BALANCE USING ICESAT/GLAS
09/08/2000 - 09/14/2003 FY02: $0 Total: $87,101
Prin. Invest.: C F RAYMOND
Tech. Officer: GSFC/J ZWALLY
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10092 UNIV OF WASHINGTON 9607
USE OF RADARSAT DATA TO PREDICT THE EFFCECTS OF LAKE & WETLAND STORAGEON THE FLOW OF ARTIC RIVERS
11/20/2000 - 11/30/2002 FY02: $0 Total: $74,049
Prin. Invest.: D LETTENMAIER
Tech. Officer: GSFC/K PARTINGTON
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10114 UNIV OF WASHINGTON 9608
SURFACE WIND SPEED & FLUXES FROM SYNTHETIC APERTURE RADAR: VALIDATION & APPLICATION TO THE
11/22/2000 - 11/30/2003 FY02: $0 Total: $158,480
Prin. Invest.: P MOURAD
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10225 UNIV OF WASHINGTON 9609
ICE SHEETS SURFACE AND BED BOUNDRY CONDITIONS FROM REMOTE SENSING
01/04/2001 - 07/14/2002 FY02: $0 Total: $116,663
Prin. Invest.: D WINEBRENNER
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10246 UNIV OF WASHINGTON 9610
UNDERSTANDING THE ENIGMATIC SW SEX STARS (FUSE 00)
02/12/2001 - 02/14/2003 FY02: $0 Total: $46,000
Prin. Invest.: P SZKODY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10342 UNIV OF WASHINGTON 9611
MODELING CONTINENTAL SCALE EROSION IN MOUNTAINOUS REGIONS
02/05/2001 - 01/31/2003 FY02: $0 Total: $98,864
Prin. Invest.: D R MONTGOMERY
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10343 UNIV OF WASHINGTON 9612
ACCRETION ONTO MAGNETIC WHITE DWARFS (FUSE 00)
01/31/2001 - 01/31/2003 FY02: $0 Total: $48,845
Prin. Invest.: P SZKODY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10400 UNIV OF WASHINGTON 9613
THE ORIGIN OF PECULIAR UV LINE RATIOS IN THE MAGNE TIC CATACLYSMIC VARIABLE AE AQR (FUSE 2000)
04/02/2001 - 05/31/2003 FY02: $0 Total: $14,440
Prin. Invest.: P SZKODY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 10404 UNIV OF WASHINGTON 9614
VALIDATION OF LIDAR RETRIEVAL OF AEROSOL EXTINC TION
04/02/2001 - 03/31/2003 FY02: $0 Total: $85,488
Prin. Invest.: D S COVERT
Tech. Officer: GSFC/M I MISHCHENKO
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10499 UNIV OF WASHINGTON 9615
INTERPLANETARY DUST
03/13/2001 - 03/14/2003 FY02: $0 Total: $361,000
Prin. Invest.: D E BROWNLEE
Tech. Officer: GSFC/J M BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 10570 UNIV OF WASHINGTON 9616
NUMERCIAL CALCULATION OF THE MAGNETIC FIELDS GENER ATED BY OCEAN TIDES & THEIR COMPARISONWITH SATEL
03/13/2001 - 03/14/2004 FY02: $0 Total: $80,000
Prin. Invest.: R TYLER
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10621 UNIV OF WASHINGTON 9617
LAGRANGIAN ASSIMILATION OF SATELLITE DATA FOR CLIM ATE STUDIES
03/19/2001 - 03/31/2004 FY02: $0 Total: $79,269
Prin. Invest.: R LINDSAY
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10624 UNIV OF WASHINGTON 9618
CLIMATE PROCESSES OVER THE OCEANS
03/20/2001 - 03/31/2004 FY02: $0 Total: $596,979
Prin. Invest.: D L HARTMANN
Tech. Officer: GSFC/A ANDERSON
CASE Category: 33 – OCEANOGRAPHY

NAG 5 10745 UNIV OF WASHINGTON 9619
"UNIV OF WASHINGTON AIRBORNE STUDIES IN SUPP ORT OF THE CLAMS-2001 FIELD STUDY"
04/17/2001 - 02/28/2003 FY02: $0 Total: $384,511
Prin. Invest.: P V HOBBS
Tech. Officer: GSFC/M D KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10903 UNIV OF WASHINGTON 9620
A KINETIC STUDY OF PARTICLE ACCELERATION IN MAGNET OSPHERIC CURRENT SHEETS & COMPARISON WITH OBSEVAT
05/08/2001 - 05/14/2004 FY02: $0 Total: $87,737
Prin. Invest.: M J BRITTNACHER
Tech. Officer: GSFC/J F SPANN
CASE Category: 99 – MULTI INTERDISCPL,OTHER

NAG 5 10962 UNIV OF WASHINGTON 9621
MODELING IONOSPHERIC OUTFLOW IN GEOPHYSICALLY RELEVANT CO-ORDINATE SYSTEMS
05/23/2001 - 05/31/2004 FY02: $0 Total: $68,222
Prin. Invest.: R M WINGLEE
Tech. Officer: GSFC/J SPANN
CASE Category: 11 – ASTRONOMY

NAG 5 11057 UNIV OF WASHINGTON 9622
MULTISENSOR ASSESSMENT OF ARCTIC POLYNYA VARIA- BILITY & ITS ASSOCIATION WITH LARGE-SCALECHANGE
06/22/2001 - 06/30/2004 FY02: $0 Total: $46,515
Prin. Invest.: S MARTIN
Tech. Officer: GSFC/W ABDALATI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11079 UNIV OF WASHINGTON 9623
A ONE-YEAR PILOT STUDY FOR THE INCLUSION OF ACTIVE OPTICAL SENSORS INTO PALACE FLOATS
08/06/2001 - 08/14/2003 FY02: $0 Total: $56,557
Prin. Invest.: S RISER
Tech. Officer: GSFC/J MARRA
CASE Category: 33 – OCEANOGRAPHY

NAG 5 11359 UNIV OF WASHINGTON 9624
SUPPPLEMENT TO MICROWAVE PASSIVE REMOTE SENSING OF SNOW: SCATTERING MODELS
10/05/2001 - 09/14/2003 FY02: $45,000 Total: $45,000
Prin. Invest.: L TSANG
Tech. Officer: GSFC/A T CHANG
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11372 UNIV OF WASHINGTON 9625
INVESTIGATION OF THE FEASIBILITY OF PARASITIC MICR OWAVE REMOTE SENSING OF PRECIPITATION
10/29/2001 - 10/31/2002 FY02: $50,000 Total: $50,000
Prin. Invest.: J D SAHR
Tech. Officer: GSFC/J A WEINMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11386 UNIV OF WASHINGTON 9626
WORKSHOP ON LARGE-SCALE OBSERVING SYSTEMS IN SUPPORT OF SEARCH
11/05/2001 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: J MORRISON
Tech. Officer: GSFC/W ABDALATI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11446 UNIV OF WASHINGTON 9627
EQUILIBRIUM SHAPES OF SOLID SOLAR SYSTEM BODIES
12/21/2001 - 12/31/2004 FY02: $0 Total: $0
Prin. Invest.: K HOLSAPPLE
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11499 UNIV OF WASHINGTON 9628
AQUEOUS CHEMICAL MODELING OF SEDIMENTATION ON EARLY MARS WITH APPLICATION TO SURFACE-ATMOSPHERE
12/28/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: D CATLING
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 11542 UNIV OF WASHINGTON 9629
EVOLUTION OF OXYGEN ATMOSPHERES
01/04/2002 - 01/14/2004 FY02: $0 Total: $0
Prin. Invest.: D CATLING
Tech. Officer: GSFC/M MEYER
CASE Category: 11 – ASTRONOMY

NAG 5 11587 UNIV OF WASHINGTON 9630
THERMAL HISTORY OF LUNAR CRUSTAL ROCKS
01/10/2002 - 01/14/2005 FY02: $0 Total: $0
Prin. Invest.: S MCCALLUM
Tech. Officer: GSFC/J BOYCE
CASE Category: 12 – CHEMISTRY

NAG 5 11622 UNIV OF WASHINGTON 9631
"EVALUATION OF HYDROLOGIC REMOTE SENSING OBSERVATI ONS FOR IMPROVED WEATHER PREDICTION"
02/01/2002 - 01/31/2005 FY02: $0 Total: $0
Prin. Invest.: D LETTENMAIER
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11632 UNIV OF WASHINGTON 9632
TOWARD IMPROVED PROCESS-BASED PAN-ARTIC PREDICTION OF LAND SURFACE MOISTURE AND ENERGY FLUXES
02/13/2002 - 02/14/2005 FY02: $0 Total: $0
Prin. Invest.: D P LETTENMAIER
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11665 UNIV OF WASHINGTON 9633
ARCHIVE & ANALYSIS OF DATA COLLECTED ABROAD THE UNIV WASHING-TON'S CONVAIR-580 REEARCH AIRCRAFT
02/01/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: P V HOBBS
Tech. Officer: GSFC/M D KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11679 UNIV OF WASHINGTON 9634
OPTICAL LIGHTNING DETECTOR (OLD) FOR C/NOFS SATELL ITE
01/31/2002 - 01/31/2004 FY02: $0 Total: $0
Prin. Invest.: R H HOLZWORTH
Tech. Officer: GSFC/R PFAFF
CASE Category: 11 – ASTRONOMY

NAG 5 11685 UNIV OF WASHINGTON 9635
"GLOBAL ASSESSMENT OF OROGRAPHIC FLOODS AND HEAVY RAID FROM TRMM SATELLITE DATA"
02/07/2002 - 02/14/2004 FY02: $0 Total: $0
Prin. Invest.: R A HOUZE
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11800 UNIV OF WASHINGTON 9636
A POLAR-SPECIFIC 20-YAR DATA SET OF CLOUD FRACTION AND HEIGHT DERIVED FROM SATELLITE RADIANCES
02/28/2002 - 03/31/2004 FY02: $0 Total: $0
Prin. Invest.: A SCHWEIGER
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11869 UNIV OF WASHINGTON 9637
SOLAR WIND AND IONOSPHERIC INFLUENCES ON GLOBAL CIRCULATION AND ENERGIZATION
03/22/2002 - 03/14/2005 FY02: $0 Total: $0
Prin. Invest.: R M WINGLEE
Tech. Officer: GSFC/J SHARBER
CASE Category: 11 – ASTRONOMY

NAG 5 11892 UNIV OF WASHINGTON 9638
N-CHILADA: A FRAMEWORK FOR PARALLEL DATA ANALYSIS AND VISUALIZATION.
04/11/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: T R QUINN
Tech. Officer: GSFC/P E HUNTER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12203 UNIV OF WASHINGTON 9639
A STUDY OF THE INNER DISK AND HOT WHITE DWARF IN NOVALIKES ABOVE THE PERIOD GAP
05/16/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: P SZKODY
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12374 UNIV OF WASHINGTON 9640
ENSEMBLE STREAMFLOW FORECASTING FOR THE WESTERN U.S. USING NSIPP EXPERIMENTAL PREDICTIONS&LAND-
07/30/2002 - 07/31/2005 FY02: $0 Total: $0
Prin. Invest.: D P LETTENMAIER
Tech. Officer: GSFC/M RIENECKER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12410 UNIV OF WASHINGTON 9641
COLLABORATIVE PROJECT: THE ROLE OF UNDERGRADUATE EDUCATION IN WORKFORCEDEVELOPMENT FOR APPLICATIONS
08/01/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: J DECOSMO
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12539 UNIV OF WASHINGTON 9642
AIR-SEA COUPLING IN THE CALIFORNIA CURRENT REGION
08/29/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: K KELLY
Tech. Officer: GSFC/E LINDSTROM
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12548 UNIV OF WASHINGTON 9643
"DEVELOPMENT OF HYDROLOGIC NOWCAST AND FORECAST PR ODUCTS USING LAND DATA ASSIMILATION SYSTEM OUTPUT
09/05/2002 - 09/14/2003 FY02: $0 Total: $0
Prin. Invest.: D P LETTENMAIER
Tech. Officer: GSFC/P R HOUSER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 7 99001 UNIV OF WASHINGTON 9644
GRANT FOR PI OF THE STARDUST PROGRAM (PHASE E)
05/21/1999 - 06/30/2004 FY02: $0 Total: $183,221
Prin. Invest.: D E BROWNLEE
Tech. Officer: HQ/M DAHL
CASE Category: 11 – ASTRONOMY

NAG 8 1512 UNIV OF WASHINGTON 9645
WATER TRANSPORT TO THE UPPER TROPOSPHERE BY CONVECTIVE SYSTEMS, AS INFERRED FROM GLOBAL
04/06/1998 - 04/05/2002 FY02: $0 Total: $126,560
Prin. Invest.: M BAKER
Tech. Officer: MSFC/J R BLOCKER
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 8 1647 UNIV OF WASHINGTON 9646
POLLUTION AND LIGHTNING
10/15/1999 - 09/30/2002 FY02: $0 Total: $95,177
Prin. Invest.: M B BAKER
Tech. Officer: MSFC/D SAMUELSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1756 UNIV OF WASHINGTON 9647
FEASIBILITY STUDY FOR A SPACE-BASED TEST OF THE STRONG EQUIVALENCE PRINCIPLE USING LUNAR RANGING.
04/23/2001 - 02/01/2006 FY02: $0 Total: $120,000
Prin. Invest.: E G ADELBERGER, K NORDVEDT, C STUBBS
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1776 UNIV OF WASHINGTON 9648
ULTRHIGH RESOLUTION OPTICAL FREQUENCY STANDARD USI NG INDIVIDUAL INDIUM IONS
04/20/2001 - 02/01/2004 FY02: $0 Total: $80,000
Prin. Invest.: W NAGOURNEY
Tech. Officer: MSFC/D HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1849 UNIV OF WASHINGTON 9649
FRC ACCELERATION SPACE THRUSTER (FAST)
08/30/2001 - 11/30/2001 FY02: $0 Total: $9,273
Prin. Invest.: J SLOUGH
Tech. Officer: MSFC/A MARTIN, MSFC/F THIO
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 9 1258 UNIV OF WASHINGTON 9650
VISUAL ANATOMIC GUIDANCE TO FACILITATE ULTRASOUND IMAGE ACQUISITION
09/07/2000 - 08/31/2001 FY02: $0 Total: $203,932
Prin. Invest.: F H SHEEHAN
Tech. Officer: JSC/C W LLOYD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1271 UNIV OF WASHINGTON 9651
DNA MICROCHIP BASED MICROBIAL MONITORING
12/08/2000 - 11/30/2002 FY02: $0 Total: $260,856
Prin. Invest.: D STAHL
Tech. Officer: JSC/D L JAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1343 UNIV OF WASHINGTON 9652
MICROARRAYS OF CELLULAR MEMBRANE PATCHES FOR INFL IGHT STUDIES OF ION CHANNEL FUNCTION
08/01/2001 - 09/30/2004 FY02: $0 Total: $54,000
Prin. Invest.: A FOLCH
Tech. Officer: JSC/D RISIN
CASE Category: 43 – CHEMICAL ENGR

NAS 1 18940 UNIV OF WASHINGTON 9653
SAGE III SCIENCE INVESTIGATION SUPPORT, P.I. PETER V. HOBBS
10/27/1989 - 01/31/2005 FY02: $0 Total: $428,027
Prin. Invest.: P V HOBBS
Tech. Officer: LARC/G MADDREA
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 1 99105 UNIV OF WASHINGTON 9654
COUPLING PICASSO-CENA TO IN SITU MEASUREMENTS FOR ESTIMATION OF DIRECT AEROSOL RADIATIVE FORCING
05/17/1999 - 05/16/2003 FY02: $0 Total: $153,650
Prin. Invest.: R J CHARLSON
Tech. Officer: LARC/G GIBSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 00212 UNIV OF WASHINGTON 9655
MATLAB-BASED ADAPTIVE COMPUTING FOR NASA IMAGE
09/29/2000 - 09/28/2002 FY02: $0 Total: $227,273
Prin. Invest.: S HAUCK
Tech. Officer: GSFC/J STEPHENS
CASE Category: 22 – COMPUTER SCIENCE

NAS 5 00213 UNIV OF WASHINGTON 9656
RECONFIGURABLE COMPUTING BASED COMPRESSION FOR SPACE-BORNE HYPERSPECTRAL IMAGES.
09/29/2000 - 09/28/2002 FY02: $0 Total: $187,143
Prin. Invest.: S HAUCK
Tech. Officer: GSFC/J STEPHENS
CASE Category: 22 – COMPUTER SCIENCE

NAS 5 30613 UNIV OF WASHINGTON 9657
INVESTIGATION DEFINITION PHASE FOR CLUSTER PLASMA SPECTROMETRY
02/21/1989 - 02/09/2001 FY02: $0 Total: $5,175,503
Prin. Invest.: G K PARKS
Tech. Officer: GSFC/J L CHRISTENSEN
CASE Category: 13 – PHYSICS

NAS 5 31372 UNIV OF WASHINGTON 9658
INTERMEDIATE THERMAL INFRARED RADIOMETER (EOS INVESTIGATION)
02/19/1992 - 06/14/2003 FY02: $0 Total: $3,484,852
Prin. Invest.: A R GILLESPIE
Tech. Officer: GSFC/H BLODGET
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 402 UNIV OF WASHINGTON 9659
REMOTE & IN-SITU MEASUREMENT OF AEROSOL OPTICAL PROPERTIES IN THE BOUNDARY LAYER
07/24/2000 - 09/14/2003 FY02: $0 Total: $3,200
Prin. Invest.: T L COVERT, T L ANDERSON
Tech. Officer: LARC/C A HOSTETLER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 02034 UNIV OF WASHINGTON 9660
ELECTRICALLY CONDUCTIVE STRUCTURES FOR DAMAGE DETE CTION
06/18/2002 - 10/30/2003 FY02: $0 Total: $0
Prin. Invest.: T A ANDERSON
Tech. Officer: LARC/D R AMBUR
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 2 1273 UNIV OF WASHINGTON 9661
HABITABLE PLANETS AND EVOLUTION OF BIOLOGICAL COMP LEXITY
07/20/2001 - 06/30/2006 FY02: $0 Total: $575,000
Prin. Invest.: P D WARD, J T STALEY, D A KRING
Tech. Officer: ARC/R A GRYMES, ARC/W W DOLCI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 5463 UNIV OF WASHINGTON 9662
MATHEMATICAL MODELING OF METABOLIC NETWORKS AND AL GORITHMIC DEVELOPMENT FOR HIGH-THROUGHPUT MULTIDI
09/14/2001 - 09/14/2002 FY02: $0 Total: $29,994
Prin. Invest.: H QIAN
Tech. Officer: ARC/S LIANG, ARC/B A BIEGEL
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 3 970 UNIV OF WASHINGTON 9663
DEVELOPING, VERIFYING AND IMPLEMENTING NATIONAL AN D INTERNATIONAL STANDARDS FOR MONOLITHIC AND COMP
06/11/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: M G JENKINS
Tech. Officer: GRC/J SALEM
CASE Category: 46 – MECHANICAL ENGR

NCC 5 326 UNIV OF WASHINGTON 9664
SUPPORT OF THE UNIV OF WASHINGTON'S RESEARCH AIRCRAFT FOR NASA STUDIES (PROPOSAL #111017)
03/23/1998 - 02/28/2002 FY02: $0 Total: $934,204
Prin. Invest.: P V HOBBS
Tech. Officer: GSFC/M D KING
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 345 UNIV OF WASHINGTON 9665
BIOGEOCHEMICAL DYNAMICS IN RIVER CORRIDORS OF THE AMAZON BASIN AND THEIR RESPONSE TO ANTHROPOGENIC C
06/25/1998 - 12/31/2002 FY02: $0 Total: $537,352
Prin. Invest.: J E RICHEY
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 550 UNIV OF WASHINGTON 9666
SUPPORT OF THE UNIV OF WASHINGTON'S RESEARCH AIRCRAFT FOR NASA STUDIES
05/11/2001 - 04/30/2003 FY02: $0 Total: $340,214
Prin. Invest.: P HOBBS
Tech. Officer: GSFC/C YUHAS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 584 **UNIV OF WASHINGTON** **9667**
MICROWAVE REMOTE SENSING OF FROZEN PRECIPITATION
08/23/2001 - 08/31/2004 FY02: $0 Total: $36,000
Prin. Invest.: R HOUZE
Tech. Officer: GSFC/J A WEINMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 605 **UNIV OF WASHINGTON** **9668**
SPACE SCIENCE NETWORK NORTHWEST
12/13/2001 - 12/31/2006 FY02: $0 Total: $0
Prin. Invest.: J H LUTZ
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 8 231 **UNIV OF WASHINGTON** **9669**
MINI-MAGNETOSPHERIC PLASMA PROPULSION-RADIATION SHIELDING (M2PS-S)
09/05/2001 - 12/31/2002 FY02: $0 Total: $86,311
Prin. Invest.: R M WINGLEE
Tech. Officer: MSFC/J H ADAMS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 9 56 **UNIV OF WASHINGTON** **9670**
RESEARCH GRANT
02/22/2000 - 03/31/2003 FY02: $0 Total: $48,392
Prin. Invest.: D E PARKER
Tech. Officer: JSC/D HARM, JSC/J J BLOOMBERG
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 2 52219 **UNIV OF WASHINGTON** **9671**
INFRARED STUDY OF HERBIG AE/BE SYSTEMS
08/19/1996 - 08/31/2002 FY02: $0 Total: $76,000
Prin. Invest.: D BROWNLEE
Tech. Officer: ARC/D H WOODEN, ARC/F C WITTEBORN
CASE Category: 11 – ASTRONOMY

NGT 2 52281 **UNIV OF WASHINGTON** **9672**
A PRESSURE SENSITIVE PAINT FOR THE STUDY OF UNSTE ADY FLOWS OVER FLEXIBLE BOUNDARIES
07/27/2001 - 08/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: J B CALLIS
Tech. Officer: ARC/J H BELL, ARC/E S SCHAIRER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 2 52288 **UNIV OF WASHINGTON** **9673**
1 KM PLANETESIMALS TO PLANETS
06/05/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: T QUINN
Tech. Officer: ARC/J J LISSAUER
CASE Category: 11 – ASTRONOMY

NGT 5 66 **UNIV OF WASHINGTON** **9674**
COMPUTATIONAL OPTICS YEAR 1 OF 2 YEAR COMMITMENT P ERIOD OF PERFORMANCE SEPT. 1, 1998 TOAUG. 31, 1
05/27/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: J BURKE
Tech. Officer: GSFC/G SOFFEN
CASE Category: 21 – MATHEMATICS

NGT 5 98 **UNIV OF WASHINGTON** **9675**
A NEW MECHANISM FOR DEGASSING AT HIGH-SULFUR VOLCA NOES
08/23/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: C NEWHALL
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 126 **UNIV OF WASHINGTON** **9676**
SIMULATING GALAXY GROUPS. STUDENT: DARREN S. REED
06/11/2001 - 06/30/2004 FY02: $0 Total: $22,000
Prin. Invest.: T QUINN
Tech. Officer: GSFC/M S BURRELL
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NGT 5 30121 **UNIV OF WASHINGTON** **9677**
ASSESSING THE GLOBAL CHARACTERISTICS OF AEROSOLS: WHAT IS THE INFLUENCE OF HUMIDITY IN COLUMNAR AERO
10/01/1997 - 03/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: D HEGG
Tech. Officer: GSFC/G ASRAR
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30149 **UNIV OF WASHINGTON** **9678**
COMBINED USE OF REMOTE SENSING AND BIOGEOCHEMICAL MODELING TO ESTIMATE PRIMARY PRODUCTION AND CARBO
08/28/1998 - 08/31/2001 FY02: $0 Total: $55,000
Prin. Invest.: J E RICHEY, WILHELM
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30157 **UNIV OF WASHINGTON** **9679**
MODELING THE FLAMMABILITY OF BRAZILIAN AMAZON FORE STS AT THE FOREST- SAVANNA ECOTONE
08/28/1998 - 02/28/2002 FY02: $0 Total: $44,000
Prin. Invest.: T M HINCKLEY
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30161 **UNIV OF WASHINGTON** **9680**
COUPLING LAND-SURFACE AND RIVERINE WATER AND CARBO N CYCLES IN THE AMAZONBASIN: DEVELOPMENT OF A MUL
08/31/1998 - 02/28/2002 FY02: $0 Total: $66,000
Prin. Invest.: J E RICHEY, MAYORGA
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30213 **UNIV OF WASHINGTON** **9681**
IMPROVING MODEL PARAMETERIZATIONS OF GAS EXCHANGE: QUANTIFICATION OF BUBBLE DYNAMICS BY MEASUREMENT
08/20/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: S R EMERSON
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30220 **UNIV OF WASHINGTON** **9682**
OPPORTUNITIES FOR IMPROVING WESTREN WATER MANAGEME NT THROUGH REMOTE SENSING & HYDROLOGICMODEL
08/24/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: D P LETTENMAIER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30343 **UNIV OF WASHINGTON** **9683**
TROPICAL FOREST PHENOLOGY ACROSS ENVIRONMENTAL GRA DIENTS IN PANAMA: A MULTIPLE SCALE STUDY USING RE
08/21/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: T HINCKLEY
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30378 UNIV OF WASHINGTON 9684
TRMM-OBSERVED STARTIFORM PRECIPITATION FRACTION RE LATED TO LARGE-SCALE TROPICAL CIRCULATION/COURTN
08/13/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: R HOUZE, JR
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30427 UNIV OF WASHINGTON 9685
COMBINED USE OF REMOTE SENSING AND BIOGEOCHEMICAL MODELING TO ESTIMATE PRIMARY PRODUCTION AND CARBO
10/22/2001 - 09/30/2002 FY02: $11,000 Total: $11,000
Prin. Invest.: J RICHEY
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30445 UNIV OF WASHINGTON 9686
ESTIMATION OF WEST ANTARTIC ICE SHEET STABILITY TH ROUGH INVERSION OF RE-MOTELY SENSED DATA (STUDENT
08/23/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: C RAYMOND
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40017 UNIV OF WASHINGTON 9687
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
12/19/1996 - 01/31/2001 FY02: $0 Total: $1,664,616
Prin. Invest.: J K DECOSMO
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40084 UNIV OF WASHINGTON 9688
WASHINGTON SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/09/2001 - 01/31/2005 FY02: $0 Total: $447,050
Prin. Invest.: J DECOSMO
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50285 UNIV OF WASHINGTON 9689
THREE DIMENTIONAL SIMULATIONS OF THE SOLAR WIND INTERACTION WITH MAGNETIC ANOMALIES ON THE SURFACE
06/23/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: R WINGLEE
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50298 UNIV OF WASHINGTON 9690
CALCULATION OF THE MERGER PHASE OF BINARY BLACK HOLES USING NUMERICAL RELATIVITY/STUDENT LUISA BU
06/28/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: J BARDEEN
Tech. Officer: GSFC/K BLANDING
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50299 UNIV OF WASHINGTON 9691
AN EMPIRICAL MEASURE OF GALAXY EVOLUTION IN CLUSTERS
06/28/2000 - 06/30/2003 FY02: $0 Total: $44,000
Prin. Invest.: J DALCANTON
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50334 UNIV OF WASHINGTON 9692
DETERMINING THE EFFECTS OF CLOUDS & SEA ICE ON THE EARTH RADIATION BUDGET IN THE SOUTHERNOCEAN
08/17/2000 - 08/31/2003 FY02: $0 Total: $44,000
Prin. Invest.: S WARREN
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 2 1198 WASHINGTON STATE UNIV 9693
LIGNIFICATION: A NEW PARADIGM
04/02/1998 - 05/31/2002 FY02: $0 Total: $375,000
Prin. Invest.: N G LEWIS
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 2 1513 WASHINGTON STATE UNIV 9694
DETERMINING THE COMPLEX ORGAIZATIONAL NATURE OF PH ENOLIC RADICAL-RADICAL COUPLING IN VASCULAR PLANT
08/17/2001 - 07/14/2003 FY02: $0 Total: $64,999
Prin. Invest.: N G LEWIS
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 3 2378 WASHINGTON STATE UNIV 9695
PASSIVE AND ACTIVE STABILIZATION OF LIQUID BRIDGES IN LOW GRAVITY
04/04/2000 - 03/09/2004 FY02: $0 Total: $255,612
Prin. Invest.: D MARSTON
Tech. Officer: GRC/C NIEDERHAUS
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 4035 WASHINGTON STATE UNIV 9696
RECONSTRUCTION OF THREE-DIMENSIONAL SHAPE AND SPIN FROM RADAR DATA
02/27/1997 - 03/31/2001 FY02: $0 Total: $173,975
Prin. Invest.: D HUDSON
Tech. Officer: GSFC/J G GRANT
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 4841 WASHINGTON STATE UNIV 9697
CALCIUM/CALMODULIN-MEDIATED GRAVITROPIC RESPONSE I
06/19/1997 - 09/15/2001 FY02: $0 Total: $497,400
Prin. Invest.: B POOVAIAH
Tech. Officer: GSFC/M AVERNER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 5 9345 WASHINGTON STATE UNIV 9698
ACCRETION OF INTERPLANETARY DUST: A NEW RECORD FROM 3-HE IN POLAR ICE CORES
03/30/2000 - 08/31/2002 FY02: $0 Total: $60,000
Prin. Invest.: E BROOK
Tech. Officer: GSFC/J BOYCE
CASE Category: 11 – ASTRONOMY

NAG 5 10462 WASHINGTON STATE UNIV 9699
PHYSICAL MODELING OF ASTEROIDS USING RADAR & OPICAL DATA
02/26/2001 - 03/31/2004 FY02: $0 Total: $45,000
Prin. Invest.: D HUDSON
Tech. Officer: GSFC/D SENSKE
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 10637 WASHINGTON STATE UNIV 9700
USING SATELLITE OBSERVATIONS TO QUANTIFY BIOMASS BURNING EMISSIONS OF NOX & HYDROCARBONS IN THE
03/19/2001 - 03/14/2004 FY02: $0 Total: $83,167
Prin. Invest.: L JAEGLE
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11364 WASHINGTON STATE UNIV 9701
CALCIUM/CALMODULIN MEDIATED GRAVITROPIC RESPONSE IN PLANTS
09/27/2001 - 09/30/2002 FY02: $0 Total: $163,806
Prin. Invest.: B W POOVAIAH
Tech. Officer: GSFC/M AVERNER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1477 WASHINGTON STATE UNIV 9702
R/S A COMPARATIVE MODELING STUDY OF MAGNETIC AND ELECTROSTATIC LEVITATION IN MICROGRAVITY
03/26/1998 - 01/31/2003 FY02: $0 Total: $254,167
Prin. Invest.: B Q LI
Tech. Officer: MSFC/C TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1693 WASHINGTON STATE UNIV 9703
R/S "STUDY OF MAGNETIC FIELD EFFECTS ON CONVECTION AND SOLIDIFICATION IN NORMAL AND MICROGRAVITY"
06/02/2000 - 11/30/2003 FY02: $0 Total: $45,000
Prin. Invest.: B Q LI
Tech. Officer: MSFC/P M DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAS 5 00177 WASHINGTON STATE UNIV 9704
PARTICIPATION IN THE OZONE MONITORING INSTRUMENT SCIENCE TEAM
06/09/2000 - 10/31/2004 FY02: $0 Total: $118,217
Prin. Invest.: G MOUNT
Tech. Officer: GSFC/J C RIVERA
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5346 WASHINGTON STATE UNIV 9705
LOW-POWER FAST SOI ELECTRONICS FOR SPACE APPLICATI ONS
08/22/1999 - 07/31/2001 FY02: $0 Total: $49,100
Prin. Invest.: M A OSMAN
Tech. Officer: ARC/B A BIEGEL, ARC/T R GOVINDAN
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 2 5407 WASHINGTON STATE UNIV 9706
TRANSPORT IN MOLECULAR STRUCTURES
10/30/2000 - 12/31/2002 FY02: $0 Total: $60,910
Prin. Invest.: M A OSMAN
Tech. Officer: ARC/N HALL
CASE Category: 13 – PHYSICS

NCC 8 92 WASHINGTON STATE UNIV 9707
"STUDY OF MAGNETIC DUMPING EFFECT ON CONVECTION & SOLIDIFICATION UNDER G-JITTER CONDITIONS"
04/19/1996 - 04/21/2001 FY02: $0 Total: $360,000
Prin. Invest.: B Q LI
Tech. Officer: MSFC/C R TALLEY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 9249 WHITMAN COLL 9708
FUV EXTINCTION: UNIQUE INSIGHTS INTO THE NATURE & ROLE OF SMALL DUST GRAINS - FUSE
03/16/2000 - 03/14/2003 FY02: $0 Total: $21,954
Prin. Invest.: U SOFIA
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 3 2510 WHITWORTH COLL 9709
DEVELOPMENT OF A METHOD TO SPECTROSCOPICALLY ANALY ZE CARBON GRID EROSION IN ION THRUSTERS
12/07/2000 - 12/31/2002 FY02: $0 Total: $15,924
Prin. Invest.: D STEVENS
Tech. Officer: GRC/D DOMOMKOS
CASE Category: 13 – PHYSICS

WEST VIRGINIA

NAG 5 11072 BLUEFIELD STATE COLL 9710
EMERGIN LEADER'S INST
07/06/2001 - 07/14/2002 FY02: $0 Total: $100,000
Prin. Invest.: F WOOTEN BLANKS
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1194 MARSHALL UNIV 9711
CALBINDINS & APOPTOSIS AFTERSHORT TERM SPACE FLIGH T
03/25/1998 - 05/31/2001 FY02: $0 Total: $103,026
Prin. Invest.: W B RHOTEN, I N SERGEEV
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 5 542 MARSHALL UNIV 9712
RCBI ADVANCED COMPOSITES TECHNOLOGY INITIATIVE
03/20/2001 - 06/30/2002 FY02: $0 Total: $2,300,000
Prin. Invest.: M R JULIAN
Tech. Officer: GSFC/M KIENLEN
CASE Category: 49 – ENGINEERING, OTHER

NCC 5 646 MARSHALL UNIV 9713
ADVANCED COMPOSITES TECHNOLOGY INITIATIVES
06/17/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: M R JULIAN
Tech. Officer: GSFC/M E KIELEN
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11088 WEST VIRGINIA STATE COLL 9714
APPLICATION OF NASA'S REMOTE SENSING SATELLITES TO ENIVRONMENTAL RESEARCH AND EARTH SCIENCE EDUCATIO
07/25/2001 - 09/30/2002 FY02: $0 Total: $70,000
Prin. Invest.: J MAYHUGH
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11103 WEST VIRGINIA STATE COLL 9715
NASA SCIENCE AND TECHNOLOGY SCHOLAR PROGRAM
07/31/2001 - 07/31/2002 FY02: $0 Total: $30,000
Prin. Invest.: E V GRIFFIN, SR
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12269 WEST VIRGINIA STATE COLL 9716
REVIEW OF BUSINESS PRACTICES OF THE NASA IV&V FACI LITY
06/26/2002 - 05/31/2003 FY02: $0 Total: $0
Prin. Invest.: C W SCHAFER
Tech. Officer: GSFC/K MCGILL
CASE Category: 22 – COMPUTER SCIENCE

NAG 1 2096 WEST VIRGINIA UNIV 9717
ROLE OF TURBULENCE IN CHEMICAL AND DYNAMICAL PROCESSES IN THE NEAR-FIELD WAKE OF SUBSONICAIRCR
09/14/1998 - 12/15/2001 FY02: $0 Total: $299,190
Prin. Invest.: R F TURCO, W S LEWELLEN
Tech. Officer: LARC/W L GROSE, LARC/B E ANDERSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1158 WEST VIRGINIA UNIV 9718
AIRNET REMOTELY CONTROLLED B747 SCAL MODEL; TRANS FR AMES 10/2000; GSFC STARTS SUPP 2
08/25/1997 - 01/31/2001 FY02: $0 Total: $150,000
Prin. Invest.: M R NAPOLITANO
Tech. Officer: ARC/W F BROOKS
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 5364 WEST VIRGINIA UNIV 9719
A STUDY ON CONVERGENCE OF THE HILBERT-HUANG TRANSF ORM
04/24/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: Y XU
Tech. Officer: WFF/B R LONG
CASE Category: 33 – OCEANOGRAPHY

NAG 5 10218 WEST VIRGINIA UNIV 9720
LABORATORY MEASUREMENTS OF BROADBAND EXTREMELY-LOW -FREQUENCY(BB-ELF) WAVE EXCITATION THRESHOLDS &
01/05/2001 - 01/14/2004 FY02: $0 Total: $98,769
Prin. Invest.: M KOEPKE
Tech. Officer: GSFC/M MELLOTT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11915 WEST VIRGINIA UNIV 9721
SOLAR WIND ELECTRONS DURING SOLAR MAXIMUM
03/22/2002 - 04/30/2004 FY02: $0 Total: $0
Prin. Invest.: J E LITTLETON
Tech. Officer: GSFC/W WAGNER
CASE Category: 13 – PHYSICS

NAG 5 12608 WEST VIRGINIA UNIV 9722
NASA IV&V FACILITY EDUCATIONAL OUTREACH PROPOSAL
09/27/2002 - 09/30/2005 FY02: $0 Total: $0
Prin. Invest.: E J PYLE
Tech. Officer: GSFC/G BLANEY
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1494 WEST VIRGINIA UNIV 9723
MARS ENVIRONMENTAL COMPATIBILITY ASSESSMENT
06/11/1998 - 05/31/2002 FY02: $0 Total: $243,541
Prin. Invest.: T MELOY
Tech. Officer: MSFC/J POE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 2 979 WEST VIRGINIA UNIV 9724
APPLIED RESEARCH IN SOFTWARE VERIF & VALIDATION TRANS. FROM ARC 10/1/00 START MOD 21 HERE
02/27/1997 - 12/31/2002 FY02: $0 Total: $11,843,674
Prin. Invest.: A C COGLEY, J SHAUB, S M EASTERBROOK
Tech. Officer: ARC/D S OSBURN
CASE Category: 29 – MATH/COMPUTER SCI, OTHER

NCC 2 6043 WEST VIRGINIA UNIV 9725
NASA AMES FACILITY EDUCATION OUTREACH PROGRAM (TRANSFER TO GSFC 9/2000)
05/10/2000 - 10/31/2000 FY02: $0 Total: $227,054
Prin. Invest.: K DAVIS, E PULE
Tech. Officer: ARC/D OZBURN, ARC/S YASSINI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 406 WEST VIRGINIA UNIV 9726
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/17/1999 - 06/30/2001 FY02: $0 Total: $450,000
Prin. Invest.: M JARAIEDI
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 570 WEST VIRGINIA UNIV 9727
WEST VIRGINIA NASA EPSCOR PROGRAM
07/13/2001 - 07/31/2005 FY02: $0 Total: $291,600
Prin. Invest.: M JARAIEDI
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 4 52431 WEST VIRGINIA UNIV 9728
VOLTERRA SYSTEMS FOR NONLINEAR ESTIMATION OF AEROS PACE SYSTEMS
06/19/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: Y XU
Tech. Officer: DFRC/M BRENNER
CASE Category: 41 – AERONAUTICAL ENGNR

NGT 5 40055 WEST VIRGINIA UNIV 9729
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
02/12/1997 - 02/28/2001 FY02: $0 Total: $972,166
Prin. Invest.: M JARAIEDI
Tech. Officer: GSFC/L KEFFER
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 40120 WEST VIRGINIA UNIV 9730
WEST VIRGINIA SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/14/2001 - 02/28/2005 FY02: $0 Total: $257,834
Prin. Invest.: M JARAIEDI
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8628 WHEELING JESUIT UNIV 9731
EARTH SYSTEM SCIENCE EDUCATION ALLIANCE
06/24/1999 - 06/30/2004 FY02: $0 Total: $588,498
Prin. Invest.: R J MEYERS
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12489 WHEELING JESUIT UNIV 9732
CHALLENGER LEARNING CENTER AT WHEELING JESUIT UNIV ERSITY
08/28/2002 - 08/31/2003 FY02: $0 Total: $0
Prin. Invest.: N STRUM
Tech. Officer: GSFC/P STEFFEN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 3 858 WHEELING JESUIT UNIV 9733
THE SYNTHESIS OF INDIUM, GALLIUM AND COPPER DITHIO CARBAMATE COMPLEXES FOR DEPOSITION FOR SPACE AND
02/01/2001 - 05/31/2002 FY02: $0 Total: $9,020
Prin. Invest.: N N DUFFY
Tech. Officer: GRC/A F HEPP
CASE Category: 12 – CHEMISTRY

NCC 5 440 WHEELING JESUIT UNIV 9734
NATIONAL TECHNOLOGY TRANSFER CENTER: NASA TECHN. TRANSFER & COMMERCIALIZATION PROGRAM
11/09/1999 - 10/31/2004 FY02: $0 Total: $14,457,000
Prin. Invest.: J P ALLEN
Tech. Officer: GSFC/N CHEEKS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 451 WHEELING JESUIT UNIV 9735
CLASSROOM OF THE FUTURE PROGRAM
01/28/2000 - 12/31/2004 FY02: $0 Total: $3,840,000
Prin. Invest.: N NAIK
Tech. Officer: GSFC/S CANRIGHT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 604 WHEELING JESUIT UNIV 9736
THE CENTER FOR EDUCATIONAL TECHNOLOGIES BROKER/FAC ILITATOR PROGRAM: SPACE SCIENCE EDUCATION INT
12/17/2001 - 12/31/2006 FY02: $0 Total: $0
Prin. Invest.: N NAIK
Tech. Officer: GSFC/P SAKIMOTO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

WISCONSIN

NAG 9 1156 MARQUETTE UNIV 9737
LIMB MUSCLE FUNCTION WITH UNLOADING AND COUNTERMEASURES
09/15/1999 - 09/30/2003 FY02: $0 Total: $404,487
Prin. Invest.: R H FITTS
Tech. Officer: JSC/C W LLOYD
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 9 116 MARQUETTE UNIV 9738
LIFE SCIENCE EXPERIMENT EFFECT OF PROLONGED SPACEF LIGHT ON HUMAN SKELETAL MUSCLE
01/05/2001 - 01/04/2004 FY02: $0 Total: $300,000
Prin. Invest.: D L COSTILL, D R RILEY, R H FITTS
Tech. Officer: JSC/D BAUMANN
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 2 956 MEDICAL COLL OF WISCONSIN 9739
THE EFFECTS OF MICROGRAVITY ON NEUROMUSCULAR DEVEL OPMENT
01/20/1995 - 10/31/2001 FY02: $0 Total: $871,961
Prin. Invest.: D A RILEY
Tech. Officer: ARC/W E HINDS, ARC/D M WINGET
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1422 MEDICAL COLL OF WISCONSIN 9740
EVALUATION OF THE QUALITY OF PRESERVATION OF ARCHI VED FIXED TISSUE SAMPLES FOR ULTRASTRUCTURAL STUD
07/18/2000 - 07/31/2002 FY02: $0 Total: $42,000
Prin. Invest.: D A RILEY
Tech. Officer: ARC/R D MACELROY, ARC/M M AVERNER
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 5 40097 UNIV OF WISCONSIN - GREEN BAY 9741
WISCONSIN SPACE GRANT COLL & FELLOWSHIP PROGRAM
03/06/2001 - 02/28/2005 FY02: $0 Total: $473,250
Prin. Invest.: R A YINGST
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 2 1163 UNIV OF WISCONSIN - LA CROSSE 9742
A WORKBENCH FOR VOLUMETRIC DATA FILTERING AND SEGM ENTATION ALGORITHMS
03/16/2000 - 12/31/2001 FY02: $0 Total: $31,901
Prin. Invest.: S O SENGER
Tech. Officer: ARC/J D SMITH
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG 1 2073 UNIV OF WISCONSIN - MADISON 9743
THE COLLECTION AND ANALYSIS OF HIGH SPECTRAL- RESOLUTION INFRARED RADIANCES AS PART OF FIRE
05/26/1998 - 11/30/2001 FY02: $0 Total: $354,000
Prin. Invest.: S A ACKERMAN, H RECERCOMB
Tech. Officer: LARC/V E DELNORE, LARC/J RAPER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2162 UNIV OF WISCONSIN - MADISON 9744
MODELING AND ANALYSIS OF SAGE CONSTITUENT MIXING IN THE LOWER STRATOSPHERE AND UPPER TROPOSPHERE
03/16/1999 - 12/31/2002 FY02: $0 Total: $310,000
Prin. Invest.: M H HITCHMAN
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 2322 UNIV OF WISCONSIN - MADISON 9745
OVERLAPPING CLOUD INVESTIGATIONS USING MODIS,CERES AND ARM CART SITE DATA
08/18/2000 - 12/31/2001 FY02: $0 Total: $139,891
Prin. Invest.: S ACKERMAN
Tech. Officer: LARC/J A GREEN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02020 UNIV OF WISCONSIN - MADISON 9746
ANALYSIS OF HISTORICAL CIRRUS IN SITU IN SUPPORT OF TERRA AQUA AND GIFTS CIRRUS RETRIEVAL EFFORTS
12/13/2001 - 12/14/2004 FY02: $0 Total: $0
Prin. Invest.: S A ACKERMAN
Tech. Officer: LARC/V E DELNORE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 1 02057 UNIV OF WISCONSIN - MADISON 9747
SUPPORT FOR THE SCANNING HIS INSTRUMENT TO PARTICIPATE IN THE INTERNATIONAL H20 PROJECT
03/08/2002 - 03/07/2003 FY02: $0 Total: $0
Prin. Invest.: H E REVERCOMB
Tech. Officer: LARC/E V BROWELL, LARC/S ISMAIL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 2 1189 UNIV OF WISCONSIN - MADISON 9748
MOLECULAR GENETICS OF ROOT THIGMORESPONSIVENESS IN ARABIDOPSIS THALIANA
03/19/1998 - 03/31/2001 FY02: $0 Total: $451,867
Prin. Invest.: P H MASSON
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1220 UNIV OF WISCONSIN - MADISON 9749
SKELETAL MUSCLE GROWTH OF REPAIR DURING MICROGRAVI TY
05/20/1998 - 06/30/2002 FY02: $0 Total: $347,962
Prin. Invest.: E SCHULTZ
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1336 UNIV OF WISCONSIN - MADISON 9750
MOLECULAR CLONING & CHARACTERIZATION OF THE AGR1 G ENE OF ARABIDOPSIS THALIANA
07/15/1999 - 06/30/2003 FY02: $0 Total: $392,490
Prin. Invest.: P MASSON
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1492 UNIV OF WISCONSIN - MADISON 9751
MOLECULAR GENETICS OF ROOT THIGMORESPONSIVENESS IN ARABIDOPIS
07/05/2001 - 08/31/2003 FY02: $0 Total: $61,049
Prin. Invest.: P H MASSON
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 2 1510 UNIV OF WISCONSIN - MADISON 9752
SKELETAL MUSCLE GROWTH AND REPAIR DURING MICROGRAV ITY
07/24/2001 - 11/30/2002 FY02: $0 Total: $71,752
Prin. Invest.: E SCHULTZ
Tech. Officer: ARC/M M AVERNER, ARC/R D MACELROY
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NAG 5 674 UNIV OF WISCONSIN - MADISON 9753
SPARTIAL HETERODYNE SPECTROMETER FOR INVESTIGATION OF INTERSTELLAR FAR ULTRAVIOLET EMISSION LINES
11/30/1990 - 01/31/2002 FY02: $0 Total: $2,125,999
Prin. Invest.: R J REYNOLDS
Tech. Officer: GSFC/L J EARLY, GSFC/R H PLESS
CASE Category: 13 – PHYSICS

NAG 5 679 UNIV OF WISCONSIN - MADISON 9754
COSMIC X-RAY PHYSICS
03/25/1991 - 04/30/2001 FY02: $0 Total: $3,194,189
Prin. Invest.: D MCCAMMON
Tech. Officer: GSFC/L J EARLY, GSFC/R H PLESS
CASE Category: 13 – PHYSICS

NAG 5 3524 UNIV OF WISCONSIN - MADISON 9755
STUDIES OF THE HOT INTERSTELLAR MEDIUM AND HALO OF STRUCTURE & SPECTRAL CHARACTERISTICS OF THE LOW E
11/13/1996 - 05/14/2002 FY02: $0 Total: $575,390
Prin. Invest.: W T SANDERS
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 3769 UNIV OF WISCONSIN - MADISON 9756
NEW MATHEMATICAL METHODS FOR VARIATIONAL OBJECTIVE ESTIMATION
02/13/1997 - 09/30/2002 FY02: $0 Total: $360,000
Prin. Invest.: G WAHBA
Tech. Officer: GSFC/K H BERGMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 5252 UNIV OF WISCONSIN - MADISON 9757
FLIGHT OF FAR-ULTRAVIOLET SPECTROPOLARIMETER (FUSP AND DEVELOPMENT AND FLIGHT OFCUPID PI NORDSIECH
02/04/2000 - 02/03/2003 FY02: $0 Total: $815,640
Prin. Invest.: K H NORDSIECK
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5253 UNIV OF WISCONSIN - MADISON 9758
UV POLARIMETRIC OBSERVATIONS OR RESONANCE LINE AND DUST SCATTERING
02/18/2000 - 02/03/2003 FY02: $0 Total: $136,000
Prin. Invest.: W HARIS
Tech. Officer: GSFC/W B JOHNSON
CASE Category: 13 – PHYSICS

NAG 5 5270 UNIV OF WISCONSIN - MADISON 9759
STUDIES OF THE COSMIC X-RAY BACKGROUND FIRST YEAR FUNDING
04/11/2000 - 04/06/2003 FY02: $0 Total: $667,000
Prin. Invest.: D MCCAMMON
Tech. Officer: GSFC/J BRINTON
CASE Category: 13 – PHYSICS

NAG 5 5272 UNIV OF WISCONSIN - MADISON 9760
FIRST FUNDING FOR PHASE 1 OF CIRRUS PROJECT FIRST FUNDING FOR PHASE 1 OF CIRRUS PROJECT
04/17/2000 - 04/13/2006 FY02: $0 Total: $299,808
Prin. Invest.: S ACKERMAN
Tech. Officer: GSFC/D L PIERCE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 6032 UNIV OF WISCONSIN - MADISON 9761
THE EVOLUTION OF GALAXY IMAGE STRUCTURE TO Z=3
10/08/1997 - 10/14/2001 FY02: $0 Total: $270,000
Prin. Invest.: M BERSHADY
Tech. Officer: GSFC/D WEST
CASE Category: 11 – ASTRONOMY

NAG 5 6457 UNIV OF WISCONSIN - MADISON 9762
VALIDATION OF ASTER AND MODIS SURFACE-TEMPERATURE AND VEGETATION PRODUCTS WITH SURFACE-FLUX APPLICAT
10/15/1997 - 09/30/2002 FY02: $0 Total: $849,751
Prin. Invest.: S T GOWER
Tech. Officer: GSFC/D O STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 6788 UNIV OF WISCONSIN - MADISON 9763
CLOUDS ON NEPTUNE: MOTIONS, EVOLUTION, STRUCTURE
02/06/1998 - 03/31/2001 FY02: $0 Total: $230,780
Prin. Invest.: L A SROMOVSKY
Tech. Officer: GSFC/T MORGAN
CASE Category: 11 – ASTRONOMY

NAG 5 7026 UNIV OF WISCONSIN - MADISON 9764
AN ULTRA-LOW BANDWIDTH DIGITAL IMAGING SYSTEM FOR SPACECRAFT
02/26/1998 - 06/30/2001 FY02: $0 Total: $138,000
Prin. Invest.: J W PERCIVAL
Tech. Officer: GSFC/R SPAGNUOLO
CASE Category: 42 – ASTRONAUTICAL ENGR

NAG 5 7214 UNIV OF WISCONSIN - MADISON 9765
PRESIDENTIAL EARLY CAREER AWARD FOR SCIENTISTS AND ENGINEERS
04/06/1998 - 04/30/2003 FY02: $0 Total: $366,666
Prin. Invest.: J FOLEY
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 7605 UNIV OF WISCONSIN - MADISON 9766
CRITICAL REVIEW OF CHINESE RESEARCH ON THE SOLAR I NFLUENCES ON CLIMATE
07/22/1998 - 07/31/2002 FY02: $0 Total: $218,976
Prin. Invest.: P WANG
Tech. Officer: GSFC/J SHARBER
CASE Category: 11 – ASTRONOMY

NAG 5 7661 UNIV OF WISCONSIN - MADISON 9767
A STUDY OF UNCERTAINTIES FOR MODIS CLOUD RETRIEVAL S OF OPTICAL THICKNESSAND EFFECTIVE RADIUS
09/02/1998 - 03/31/2001 FY02: $0 Total: $110,269
Prin. Invest.: D PINCUS
Tech. Officer: GSFC/D STARR
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 7931 UNIV OF WISCONSIN - MADISON 9768
PHYSICS OF AN UNSTABLE WIND FROM THE UNSTABLE STAR P CYGNI ADP-98
12/14/1998 - 06/14/2002 FY02: $0 Total: $121,000
Prin. Invest.: K H NORDSIECK
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 7952 UNIV OF WISCONSIN - MADISON 9769
INTEGRATED STUDIES OF COMET C/199501 (HALE-BOPP) USING THE RESULTS OF THE UNIV WI/GSFC OBSER CAMPAI
12/17/1998 - 12/31/2002 FY02: $0 Total: $276,256
Prin. Invest.: D M HARRIS
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8057 UNIV OF WISCONSIN - MADISON 9770
INTERPRETATION OF RADIATIVE ENERGY FLUXES IN JUPIT ER'S ATMOSPHERE
01/15/1999 - 07/31/2002 FY02: $0 Total: $128,085
Prin. Invest.: L A SROMOVSKY
Tech. Officer: GSFC/R BEEBE
CASE Category: 11 – ASTRONOMY

NAG 5 8069 UNIV OF WISCONSIN - MADISON 9771
BIGFOOT--CHARACTERIZING LAND COVER, LAI AND NPP AT THE LANDSCAPE SCALE FOR EOS/MODIS VALIDATION
01/28/1999 - 06/30/2002 FY02: $0 Total: $575,038
Prin. Invest.: S T GOWER
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8280 UNIV OF WISCONSIN - MADISON 9772
THE HISTORY AND INITIAL MASS FUNCTION OF THE LAMBD A ORIONIS STAR FORMING REGION(ADP 98)
04/15/1999 - 02/28/2002 FY02: $0 Total: $56,505
Prin. Invest.: R D MATHIEU
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8417 UNIV OF WISCONSIN - MADISON 9773
THEORETICAL STUDIES OF THE DIFFUSE INTERSTELLAR ME DIUM (ATP 98)
03/25/1999 - 03/31/2003 FY02: $0 Total: $290,025
Prin. Invest.: D P COX
Tech. Officer: GSFC/D K WEST
CASE Category: 11 – ASTRONOMY

NAG 5 8537 UNIV OF WISCONSIN - MADISON 9774
X-RAY DETECTORS FOR SPECTROSCOPY OF 0.1-0.3 KEV EXTENDED SOURCES WITH SUB-EV RESOLUTION.
07/09/1999 - 07/14/2002 FY02: $0 Total: $284,116
Prin. Invest.: D MCCAMMON
Tech. Officer: GSFC/G MUCKLOW
CASE Category: 13 – PHYSICS

NAG 5 8554 UNIV OF WISCONSIN - MADISON 9775
LONG-TERM WATER FLUX CHANGES FROM COVERTING OLD- GROWTH PINE FOREST TO HARDWOOD FORESTS IN NORTH
06/17/1999 - 06/30/2003 FY02: $0 Total: $319,128
Prin. Invest.: D MACKAY
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8597 UNIV OF WISCONSIN - MADISON 9776
THE ROLE OF LAND USE AND LAND COVER CHANGE ON THE TERRESTRIAL WATER BALANCE OF THE MISSISSIPPI BASIN
06/11/1999 - 06/30/2003 FY02: $0 Total: $294,621
Prin. Invest.: J A FOLEY
Tech. Officer: GSFC/E T ENGMAN
CASE Category: 39 – ENVIRONMENTALSCI, OTHER

NAG 5 8625 UNIV OF WISCONSIN - MADISON 9777
DOCUMENTING, UNDERSTANDING, AND PREDICTING THE AGGREGATE SURFACE RADIATION FLUXES FOR SHEBA
08/31/1999 - 06/14/2001 FY02: $0 Total: $57,159
Prin. Invest.: J R KEY
Tech. Officer: GSFC/S GOGINENI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8639 UNIV OF WISCONSIN - MADISON 9778
SIMPLE MODELS OF THE SPATIAL DISTRIBUTION OF CLOUD RADIATIVE PROPERTIES FOR REMOTE SENSING STUDIES
06/29/1999 - 09/30/2001 FY02: $0 Total: $47,887
Prin. Invest.: R PINCUS
Tech. Officer: GSFC/W WISCOMBE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 8652 UNIV OF WISCONSIN - MADISON 9779
CONTINUING INVESTIGATION OF SINGLE-PHOTON CALORIME TERS FOR X-RAY SPECTROSCOPY
08/19/1999 - 09/30/2001 FY02: $0 Total: $100,000
Prin. Invest.: D MCCAMMON
Tech. Officer: GSFC/R L KELLEY
CASE Category: 11 – ASTRONOMY

NAG 5 8967 UNIV OF WISCONSIN - MADISON 9780
OBSERVATIONAL CONSTRAINTS FOR THE GALACTIC FOUNDATION - FUSE
01/24/2000 - 01/31/2003 FY02: $0 Total: $56,200
Prin. Invest.: R BENJAMIN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9024 UNIV OF WISCONSIN - MADISON 9781
OBSERVATIONAL CONSTRAINTS FOR THE GALACTIC FOUNTAIN-FUSE HIGH VELOCITY CLOUDS: ORIGIN
02/28/2000 - 02/28/2003 FY02: $0 Total: $70,459
Prin. Invest.: B P WAKKER
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 9028 UNIV OF WISCONSIN - MADISON 9782
EARTH SCIENCE COMPONENT FOR ACADEMIC PROFESSIONAL ENHANCE-MENT (ESCAPE)
02/04/2000 - 02/14/2003 FY02: $0 Total: $86,975
Prin. Invest.: S S LIMAYE
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9084 UNIV OF WISCONSIN - MADISON 9783
STATISTICAL ANALYSIS OF ATMOSPHERIC OZONE DATA FOR TREND FEATURES & STUDIES ON STATISTICAL METHODOLO
02/16/2000 - 08/31/2001 FY02: $0 Total: $30,000
Prin. Invest.: G C REINSEL
Tech. Officer: GSFC/P K BHARTIA
CASE Category: 31 – ATMOSPHERICSCIENCE

NAG 5 9179 UNIV OF WISCONSIN - MADISON 9784
THE ORIGINS OF GALACTIC HALO GAS: ACCRETION AND FOUNTAIN FLOWS (LTSA 99)
03/07/2000 - 03/14/2005 FY02: $0 Total: $201,637
Prin. Invest.: B P WAKKER
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9226 UNIV OF WISCONSIN - MADISON 9785
SPECTRAL DIAGNOSTICS FOR EARLY-TYPE STARS IN SUPPO RT OF HIGH-RESOLUTION SATELLITE OBSERVATIONS (LTS
03/09/2000 - 03/14/2005 FY02: $0 Total: $39,060
Prin. Invest.: J CASSINELLI
Tech. Officer: GSFC/R OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 9295 UNIV OF WISCONSIN - MADISON 9786
DIAGNOSTIC & PREDICTIVE STUDIES OF THE EARTH'S HYDROLOGIC CYCLE USING MODEL-ASSIMILATED & REMOTE
04/13/2000 - 12/31/2002 FY02: $0 Total: $305,000
Prin. Invest.: D R JOHNSON
Tech. Officer: GSFC/R ATLAS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9389 UNIV OF WISCONSIN - MADISON 9787
INTERNATONAL MODIS/AIRS PROCESSING PACKAGE (IMAPP) FOR EOS DIRECT BROADCAST DATA
04/04/2000 - 04/14/2003 FY02: $0 Total: $500,000
Prin. Invest.: A HUANG
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9436 UNIV OF WISCONSIN - MADISON 9788
MONITORING AND MODELING OF LAND-SURFACE ENERGY AND WATER FLUXES USING ANENHANCEDPATHFINDER DATABASE
04/13/2000 - 04/30/2003 FY02: $0 Total: $343,710
Prin. Invest.: G DIAK
Tech. Officer: GSFC/J DODGE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9452 UNIV OF WISCONSIN - MADISON 9789
HUMAN ACTIVITY AND A CHANGING BIOSPHERE
04/13/2000 - 04/30/2003 FY02: $0 Total: $495,681
Prin. Invest.: J FOLEY
Tech. Officer: GSFC/D WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 9673 UNIV OF WISCONSIN - MADISON 9790
DETERMINATION OF MOMENTUM TRANSPORT, ORGANIZATION, & TEMPO-RAL INTENSITY OF DEEP TROPICAL CONVECTION
06/01/2000 - 05/31/2003 FY02: $0 Total: $60,339
Prin. Invest.: J R MECIKALSKI
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9688 UNIV OF WISCONSIN - MADISON 9791
APPLICATION OF REMOTE SENSING TO ASSESS THE IMPACT OF SHORT TERM CLIMATEVARIABILITY ON COASTAL SEDIM
06/14/2000 - 06/14/2003 FY02: $0 Total: $200,000
Prin. Invest.: P MENZEL
Tech. Officer: GSFC/H V FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 9712 UNIV OF WISCONSIN - MADISON 9792
GLAST: A GEV ALL-SKY MONITOR OF TRANSIENT PHENOME NA
06/15/2000 - 06/14/2003 FY02: $0 Total: $54,989
Prin. Invest.: P DINGUS
Tech. Officer: GSFC/S LAMBROS
CASE Category: 13 – PHYSICS

NAG 5 9894 UNIV OF WISCONSIN - MADISON 9793
IMPROVED TRMM RAINFALL ESTIMATES FROM A COMBINA- TION OF SATELLITE & SURFACE HYDROLOGICAL OBSERVA
08/25/2000 - 11/30/2002 FY02: $0 Total: $163,020
Prin. Invest.: G W PETTY
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 9931 UNIV OF WISCONSIN - MADISON 9794
THE NEARBY STARBURST DWARF GALAXY NGC 625
09/07/2000 - 09/14/2001 FY02: $0 Total: $6,400
Prin. Invest.: H A KOBULNICKY
Tech. Officer: GSFC/D F MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 9999 UNIV OF WISCONSIN - MADISON 9795
OPTIMIZATION OF THE GODDARD PROFILING (GPROF) ALGO RITHM FOR SUBTROPICAL AND EXTRATROPICAL RAINFALL
11/17/2000 - 12/31/2001 FY02: $0 Total: $34,641
Prin. Invest.: G W PETTY
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 10196 UNIV OF WISCONSIN - MADISON 9796
THE MEASUREMENT OF ATOMIC TRANSITION PROBABILITIES FOR SPECTRAL LINES IN THE FUSE BAND
01/04/2001 - 12/31/2001 FY02: $0 Total: $60,000
Prin. Invest.: J E LAWLER
Tech. Officer: GSFC/P CRANE
CASE Category: 11 – ASTRONOMY

NAG 5 10204 UNIV OF WISCONSIN - MADISON 9797
MINIATURE ADIABATIC DEMAGNETIZATION REFRIGERATOR
12/28/2000 - 12/31/2003 FY02: $0 Total: $160,000
Prin. Invest.: P TIMBIE
Tech. Officer: GSFC/G STRINGFELLOW
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10258 UNIV OF WISCONSIN - MADISON 9798
ANTENNA COUPLED TRANSITION EDGE MICROBOLOMETERS WITH ON-CHIP FILTERING & DUAL POLARIZATION SENSITI
01/31/2001 - 01/31/2004 FY02: $0 Total: $223,105
Prin. Invest.: P TIMBIE
Tech. Officer: GSFC/J CHERVENAK
CASE Category: 13 – PHYSICS

NAG 5 10273 UNIV OF WISCONSIN - MADISON 9799
SOME NEW MATHEMATICAL METHODS FOR VARIATIONAL OBJECTIVE ANALYSIS & ACCURACY ESTIMATION, WITH EM
01/16/2001 - 01/14/2004 FY02: $0 Total: $65,000
Prin. Invest.: G WAHBA
Tech. Officer: GSFC/T LEE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10415 UNIV OF WISCONSIN - MADISON 9800
LMC 1995, THE THIRD SUPERSOFT X-RAY NOVA
02/21/2001 - 02/28/2003 FY02: $0 Total: $21,667
Prin. Invest.: M ORIO
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 5 10729 UNIV OF WISCONSIN - MADISON 9801
CONTINUED DEVELOPMENT OF A PLANETARY IMAGING FOURIER TRANSFORM SPECTROMETER (PIFTS)
04/10/2001 - 04/14/2002 FY02: $0 Total: $50,000
Prin. Invest.: L SROMOVSKY
Tech. Officer: GSFC/B BETTS
CASE Category: 11 – ASTRONOMY

NAG 5 10770 UNIV OF WISCONSIN - MADISON 9802
STAR FORMATION FEEDBACK ON GALAXY EVOLUTION (LTSA 2000)
04/26/2001 - 04/30/2006 FY02: $0 Total: $114,544
Prin. Invest.: H A KOBULNICKY
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11085 UNIV OF WISCONSIN - MADISON 9803
CLIMATE AND HUMAN IMPACTS ON WATER RESOURCES IN AFRICA
07/20/2001 - 08/14/2004 FY02: $0 Total: $80,503
Prin. Invest.: M COE
Tech. Officer: GSFC/G GUTMAN
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11155 UNIV OF WISCONSIN - MADISON 9804
VALIDATION OF THE ATMOSPHERIC INFRARED SOUNDER (AI RS) OVER THE ANTARCTICPLATEAU(AQUA-0080-033) NRA
08/08/2001 - 08/31/2004 FY02: $0 Total: $21,375
Prin. Invest.: D C TOBIN
Tech. Officer: GSFC/D STARR
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11221 UNIV OF WISCONSIN - MADISON 9805
MAGNETIC FIELDS ON OB STARS (ATP 2000)
08/09/2001 - 08/14/2004 FY02: $0 Total: $5,023
Prin. Invest.: J P CASSINELLI
Tech. Officer: GSFC/R J OLIVERSEN
CASE Category: 11 – ASTRONOMY

NAG 5 11242 UNIV OF WISCONSIN - MADISON 9806
LINKING IN-SITU MEASUREMENTS, REMOTE SENSING, AND MODELS TO VALIDATE MODIS PRODUCTS RELATED TO TH
08/17/2001 - 08/31/2004 FY02: $0 Total: $93,203
Prin. Invest.: S T GOWER
Tech. Officer: GSFC/D WICKLAND
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11245 UNIV OF WISCONSIN - MADISON 9807
INTERANNUAL TO DECADEL AIR-SEA CARBON FLUXES: ANAL YSIS OF MARINE PRODUCTIVITY ANF NUTRIENT D
08/16/2001 - 08/31/2004 FY02: $0 Total: $117,204
Prin. Invest.: A WINGUTH
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11303 UNIV OF WISCONSIN - MADISON 9808
ANALYSIS OF DYNAMICAL PROCESSES IMPORTANT TO CLIMATE CHANGE
08/31/2001 - 08/31/2003 FY02: $0 Total: $100,002
Prin. Invest.: M HITCHMAN
Tech. Officer: GSFC/P DECOLA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11322 UNIV OF WISCONSIN - MADISON 9809
HIGH PERFORMANCE IMAGING ARRAYS OF X-RAY CALORIMETERS USING IMPLANTED SILICON.
11/05/2001 - 11/14/2002 FY02: $0 Total: $0
Prin. Invest.: D MCCAMMON
Tech. Officer: GSFC/C K STAHLE
CASE Category: 13 – PHYSICS

NAG 5 11436 UNIV OF WISCONSIN - MADISON 9810
PRECISION MEASUREMENTS OF OSCILLATOR STRENGTHS FOR NEUTRAL OXYGEN AND NITROGEN IN THE FUSE BAND
12/03/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: J E LAWLER
Tech. Officer: GSFC/H HASAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11449 UNIV OF WISCONSIN - MADISON 9811
VALIDATION OF GLAS LIDAR DATA AND THE INVESTIGATIO N OF LIDAR MULTIPLE SCATTERING
12/17/2001 - 12/31/2002 FY02: $0 Total: $0
Prin. Invest.: E W ELORANTA
Tech. Officer: GSFC/J D SPINHIRNE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 11529 UNIV OF WISCONSIN - MADISON 9812
CLOUD MICROPHYSICS AND ABSORBTION VALIDATION
01/03/2002 - 12/14/2003 FY02: $0 Total: $0
Prin. Invest.: S A ACKERMAN
Tech. Officer: GSFC/D ANDERSON
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 11849 UNIV OF WISCONSIN - MADISON 9813
OVI EMISSION FROM HVCS
04/02/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: R BENJAMIN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12012 UNIV OF WISCONSIN - MADISON 9814
NEPTUNE'S CLOUD STRUCTURE
04/22/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: L A SROMOVSKY
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12057 UNIV OF WISCONSIN - MADISON 9815
GAS AND DUST STRUCTURE IN ACTIVE COMETS
04/19/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: W M HARRIS
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12128 UNIV OF WISCONSIN - MADISON 9816
THEORETICAL STUDIES OF THE DIFFUSE INTERSTELLAR MATTER IN THE LOCAL BUBBLE, BULGE, DISK, & HALO
04/30/2002 - 04/30/2005 FY02: $0 Total: $0
Prin. Invest.: D P COX
Tech. Officer: GSFC/M SALAMON
CASE Category: 11 – ASTRONOMY

NAG 5 12196 UNIV OF WISCONSIN - MADISON 9817
MOLECULAR GAS IN THE DISK-HALO INTERFACE
05/14/2002 - 05/14/2003 FY02: $0 Total: $0
Prin. Invest.: R BENJAMIN
Tech. Officer: GSFC/G SONNEBORN
CASE Category: 11 – ASTRONOMY

NAG 5 12206 UNIV OF WISCONSIN - MADISON 9818
ADAPTIVE OPTICS IMAGING AND SPECTROSCOPY OF NEPTUN E
06/03/2002 - 05/31/2005 FY02: $0 Total: $0
Prin. Invest.: L A SROMOVSKY
Tech. Officer: GSFC/J HILLMAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 12258 UNIV OF WISCONSIN - MADISON 9819
GRADUATE RESEARCH ASSISTANTSHIPS AT THE UNIV WISCONSIN IN COOPERATION WITHTHE EARTH SCIENCES
07/02/2002 - 07/14/2005 FY02: $0 Total: $0
Prin. Invest.: S A ACKERMAN
Tech. Officer: GSFC/V V SALOMONSON
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 12270 UNIV OF WISCONSIN - MADISON 9820
CLOUD RADIATION MODELING FOR GLOBAL PRECIPITATION MISSION
06/27/2002 - 06/30/2003 FY02: $0 Total: $0
Prin. Invest.: G J TRIPOLI
Tech. Officer: GSFC/R J LAWRENCE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 5 12422 UNIV OF WISCONSIN - MADISON 9821
PRECISION BALLOON-BORNE MEASUREMENTS OF THE ANISOT ROPY IN THE COSMIC MICROWAVE BACKGROUND RADIATION
08/01/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: P TIMBIE
Tech. Officer: GSFC/E S CHENG
CASE Category: 13 – PHYSICS

NAG 5 12536 UNIV OF WISCONSIN - MADISON 9822
PROCESSING METEROLOGICAL SATELLITE INFORMATION TO NOWCAST CONVECTIVE INITIATION AND CONVECTIVE CH
09/26/2002 - 09/14/2005 FY02: $0 Total: $0
Prin. Invest.: J MECIKALSKI
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 12557 UNIV OF WISCONSIN - MADISON 9823
X-RAY EMISSION FROM SINGLE WOLF-RAYET STARS
09/23/2002 - 09/30/2002 FY02: $0 Total: $0
Prin. Invest.: R IGNACE
Tech. Officer: GSFC/R MUSHOTZKY
CASE Category: 11 – ASTRONOMY

NAG 8 1320 UNIV OF WISCONSIN - MADISON 9824
RESEARCH DEVELOPMENT OF ATMOSPHERIC PHYSICAL RETRIEVAL METHODOLOGIES USING SATELLITE DATA
01/31/1997 - 04/30/2002 FY02: $0 Total: $200,000
Prin. Invest.: G DIAK
Tech. Officer: MSFC/F R ROBERTSON, MSFC/J ARNOLD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 8 1459 UNIV OF WISCONSIN - MADISON 9825
R/S PHYSICAL SIMULATION OF MARANGONI CONVECTION IN WELD POOLS
02/01/1998 - 07/31/2002 FY02: $0 Total: $340,417
Prin. Invest.: S KOU
Tech. Officer: MSFC/P M DOTY
CASE Category: 47 – METAL & MATERIALS ENGR

NAG 8 1460 UNIV OF WISCONSIN - MADISON 9826
R/S DYNAMIC REDUCTION AND THE CREATION OF FINE GRAINED CERAMICS FROM INVISCID MELTS
02/01/1998 - 01/31/2003 FY02: $0 Total: $306,467
Prin. Invest.: R F COOPER
Tech. Officer: MSFC/C TALLEY
CASE Category: 13 – PHYSICS

NAG 8 1672 UNIV OF WISCONSIN - MADISON 9827
ANALYSIS OF CONTAINERLESS SOLIDIFICAITION MICRO- STRUCTURES IN UNDERCOOLED MELTSAND COMPOSISTE SYS
05/26/2000 - 11/30/2003 FY02: $0 Total: $125,500
Prin. Invest.: J N PEREPEZKO
Tech. Officer: MSFC/P DOTY
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1719 UNIV OF WISCONSIN - MADISON 9828
FILED REVERSED CONFIGURATION FUSION PROPULSION
05/04/2000 - 09/30/2003 FY02: $0 Total: $59,000
Prin. Invest.: J SANTARIUS
Tech. Officer: MSFC/F THEO
CASE Category: 22 – COMPUTER SCIENCE

NAG 8 1783 UNIV OF WISCONSIN - MADISON 9829
ALL-OPTICAL HIGH DENSITY COLD ATOM SOURCES
05/04/2001 - 03/30/2005 FY02: $0 Total: $60,000
Prin. Invest.: T G WALKER
Tech. Officer: MSFC/D S HUBBARD
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 8 1820 UNIV OF WISCONSIN - MADISON 9830
INVESTIGATION OF TECHNIQUES FOR SENSOR PLACEMENT, ACTUATOR PLACEMENT, AND TARGETMODE SELECTION...
05/15/2001 - 05/15/2003 FY02: $0 Total: $39,940
Prin. Invest.: D C KAMMER
Tech. Officer: MSFC/M L TINKER
CASE Category: 46 – MECHANICAL ENGR

NAG13 99008 UNIV OF WISCONSIN - MADISON 9831
MIDWEST CENTER FOR NATURAL RESOURCE MGMT SAME
03/03/1999 - 03/02/2003 FY02: $0 Total: $1,500,000
Prin. Invest.: G DIAK
Tech. Officer: SSC/C HILL
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAS 1 00070 UNIV OF WISCONSIN - MADISON 9832
ENG.& SCIENTIFIC SUPPORT FOR NAST-I
09/15/2000 - 10/30/2001 FY02: $0 Total: $1,100,485
Prin. Invest.: F A BEST
Tech. Officer: LARC/A ROYAL
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 00072 UNIV OF WISCONSIN - MADISON 9833
ALGORITHM DEVELOPMENT, MEASUREMENT CONCEPT VALIDAT ION, DATA PROCESSING AND ED./PUBLIC OUTREACH
11/06/2000 - 01/31/2006 FY02: $0 Total: $1,698,000
Prin. Invest.: H REVERCOMB
Tech. Officer: LARC/V PARSONS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 96004 UNIV OF WISCONSIN - MADISON 9834
IDIQ FOR SATELLITE DATA/SITE LICENSE
05/01/1996 - 04/29/2001 FY02: $0 Total: $317,171
Prin. Invest.: N APPLICABLE
Tech. Officer: LARC/R C HUFFMAN, JR., LARC/P MINNIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 1 99106 UNIV OF WISCONSIN - MADISON 9835
ANALYSIS OF COMBINED PICASSO-CENA AND MODIS DATA
05/17/1999 - 05/16/2003 FY02: $0 Total: $149,754
Prin. Invest.: S A ACKERMAN
Tech. Officer: LARC/G GIBSON
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 02089 UNIV OF WISCONSIN - MADISON 9836
XRS-Z SALTPILL
06/25/2002 - 12/20/2002 FY02: $0 Total: $0
Prin. Invest.: R PAULOS
Tech. Officer: GSFC/J PANEK
CASE Category: 45 – ELECTRICAL ENGR

NAS 5 30131 UNIV OF WISCONSIN - MADISON 9837
SPACE TELESCOPE IMAGINE SPECTROGRAPH SUPPORT
09/22/1987 - 04/30/2002 FY02: $0 Total: $1,290,954
Prin. Invest.: F ROESLER
Tech. Officer: GSFC/H D VITAGLIANO
CASE Category: 11 – ASTRONOMY

NAS 5 31367 UNIV OF WISCONSIN - MADISON 9838
EOS STUDY
12/30/1991 - 06/14/2003 FY02: $50,000 Total: $5,626,095
Prin. Invest.: P MENZEL
Tech. Officer: GSFC/D TOLL, GSFC/B CONBOY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 31375 UNIV OF WISCONSIN - MADISON 9839
EOS AIRS INVESTIGATION
01/13/1992 - 12/14/2002 FY02: $0 Total: $2,652,889
Prin. Invest.: H REVERCOMB
Tech. Officer: GSFC/E KREINS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAS 5 31377 UNIV OF WISCONSIN - MADISON 9840
EOS INVESTIGATION: ALGORITHM DEVELOPMENT WITH HIS/ AIRS
01/08/1992 - 12/14/2002 FY02: $0 Total: $1,998,640
Prin. Invest.: W L SMITH
Tech. Officer: GSFC/E KREINS
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAS 5 99004 UNIV OF WISCONSIN - MADISON 9841
GLAS SCIENCE TEAM LEADER.
11/25/1998 - 12/01/2002 FY02: $0 Total: $273,000
Prin. Invest.: C BENTLEY
Tech. Officer: GSFC/G SMITH
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 01011 UNIV OF WISCONSIN - MADISON 9842
TROPOSPHERIC MODELG STUDIES OF TRACE P FIELD DATA: REGIONAL ASSESMT OF STRATOSPH-TROPOSPH EXCHANGE
01/19/2001 - 01/31/2003 FY02: $0 Total: $42,224
Prin. Invest.: M H HITCHMAN, G J TRIPOLI
Tech. Officer: LARC/J H CRAWFORD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 1 02017 UNIV OF WISCONSIN - MADISON 9843
DEVELOPMENT WITHIN THE REGIONAL AIR QUALITYH MODELINGT SYSTEM (RAQMS)
03/19/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: D R JOHNSON
Tech. Officer: LARC/R B PIERCE
CASE Category: 12 – CHEMISTRY

NCC 2 5323 UNIV OF WISCONSIN - MADISON 9844
TOWARDS A COMMON SERVICE SPECIFICATION & MATCHMAKI NG FRAMEWORK FOR GRID APPLICATIONS
05/07/1999 - 04/30/2001 FY02: $0 Total: $40,000
Prin. Invest.: M LIVNY
Tech. Officer: ARC/W E JOHNSTON, ARC/G F MORELLO
CASE Category: 22 – COMPUTER SCIENCE

NCC 2 5449 UNIV OF WISCONSIN - MADISON 9845
FE ISOTOPE STUDIES OF MICROBIAL ECOLOGY
07/27/2001 - 07/31/2003 FY02: $0 Total: $93,518
Prin. Invest.: C M JOHNSON, B L BEARD
Tech. Officer: ARC/W W DOLCI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 294 UNIV OF WISCONSIN - MADISON 9846
HIGH RESOLUTION CARBON EXCHANGE OVER LARGE-SCALE A MAZONIA BASED ON MODELING AND GOES SATELLITE
06/10/1998 - 12/31/2001 FY02: $0 Total: $149,659
Prin. Invest.: J M NORMAN
Tech. Officer: GSFC/D W DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 335 UNIV OF WISCONSIN - MADISON 9847
THE EFFECTS OF TROPICAL FOREST CONVERSION: ECOLOGI CAL RE-SEARCH IN THE LARGE-SCALE BIOSPHERE-ATMOSPH
06/16/1998 - 12/31/2002 FY02: $0 Total: $92,579
Prin. Invest.: J FOLEY
Tech. Officer: GSFC/D DEERING
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NCC 5 354 UNIV OF WISCONSIN - MADISON 9848
"GSFC COOPERATIVE GRADUATE RESEARCH ASSISTANTSHIPS "
08/04/1998 - 08/31/2001 FY02: $0 Total: $124,644
Prin. Invest.: M H HITCHMAN
Tech. Officer: GSFC/A J NEGRI
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 365 UNIV OF WISCONSIN - MADISON 9849
MODELING WETLANDS AND THEIR ROLE IN HYDROLOGICAL A ND BIO-GEOCHEMICAL CYCLES
09/24/1998 - 09/30/2001 FY02: $0 Total: $50,033
Prin. Invest.: J A FOLEY
Tech. Officer: HQ/L TRAVIS
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 8 129 UNIV OF WISCONSIN - MADISON 9850
R/S "CONTINUATION SUPPORT FOR WISCONSIN CENTER FOR SPACE AUTHORIZATION & ROBOTICS"
01/30/1997 - 10/31/2001 FY02: $0 Total: $10,148,486
Prin. Invest.: W L ZHOU, J R BULA
Tech. Officer: MSFC/A L MATISAK
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NCC 8 241 UNIV OF WISCONSIN - MADISON 9851
PROMOTE COMMERCIALLY FUNDED RESEARCH AND TECH DEV. IN THE FIELD OF SPACE POWER AUTOMATION AND ROBOTI
01/29/2002 - 10/31/2002 FY02: $0 Total: $0
Prin. Invest.: W ZHOU
Tech. Officer: MSFC/A MATISAK
CASE Category: 49 – ENGINEERING, OTHER

NCC13 00004 UNIV OF WISCONSIN - MADISON 9852
MAXIMIZING MUTUAL OPPORTUNITIES:PARTNERSHIP AMONG NASA, UW-MAD AND PRIVATE INDUSTRY
03/06/2000 - 03/05/2005 FY02: $0 Total: $345,000
Prin. Invest.: T LILLESAND
Tech. Officer: SSC/A PEEK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 46 UNIV OF WISCONSIN - MADISON 9853
017RECISE MEASUREMENT OF COSMOLOGICAL PARAMETERS V COSMIC MICROWAVE BACKGROUND ANISOTROPY
06/23/1997 - 06/30/2001 FY02: $0 Total: $88,000
Prin. Invest.: P TIMBIE
Tech. Officer: GSFC/M S BURRELL
CASE Category: 11 – ASTRONOMY

NGT 5 115 UNIV OF WISCONSIN - MADISON 9854
THREE-DIMENSIONAL MULTIWAVELENGTH MODELING TECHNIQUES FOR ANALYSIS OF ASPHERICALSTELLAR
06/04/2001 - 06/30/2003 FY02: $0 Total: $21,383
Prin. Invest.: K H NORDSIECK
Tech. Officer: GSFC/M S BURRELL
CASE Category: 11 – ASTRONOMY

NGT 5 30146 UNIV OF WISCONSIN - MADISON 9855
POROELASTIC ANALYSIS OF COSEISMIC AND POSTSEISMIC DEFORMA-TION ASSOCIATEDWITH THE1992 LANDERS, CALIF
08/31/1998 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: H F WANG
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30160 UNIV OF WISCONSIN - MADISON 9856
SCALE-DEPENDENT CLIMATE CHANGE DUE TO DEFORESTATIO N IN AMAZONIA
08/31/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: W BRINKMANN
Tech. Officer: GSFC/M Y WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 30176 UNIV OF WISCONSIN - MADISON 9857
EFFECTS OF LOGGING ACTIVITY ON BIOPHYSICAL PROCESS ES AND CARBON CYCLING WITHIN CANADIAN BOREAL FORE
08/12/1999 - 08/31/2002 FY02: $0 Total: $66,000
Prin. Invest.: J FOLEY
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30396 UNIV OF WISCONSIN - MADISON 9858
THE IMPACT OF CLIMATE AND AGRICULTURE ACTIVITY ON NITRATE EXPORT TO THE OCEAN
08/14/2001 - 08/31/2004 FY02: $0 Total: $22,000
Prin. Invest.: J FOLEY
Tech. Officer: GSFC/M WEI
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 50185 UNIV OF WISCONSIN - MADISON 9859
PRECISION MEASUREMENTS OF THE POLARIZATION OF THE COSMIC MICROWAVE BACKGROUND RADIATION
05/27/1998 - 08/31/2001 FY02: $0 Total: $66,000
Prin. Invest.: P TIMBIE
Tech. Officer: HQ/A NURRIDDIN
CASE Category: 13 – PHYSICS

NGT 5 50295 UNIV OF WISCONSIN - MADISON 9860
DWARF ELLIPTICALS IN CLUSTERS: THE FIRST GALAXIES STUDENT: CHRISTOPHER CONSELICE
06/26/2000 - 12/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: J S GALLAGHER
Tech. Officer: GSFC/L SMITH
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 8 52865 UNIV OF WISCONSIN - MADISON 9861
PARAMETERIZATION AND SCALE ISSUES ASSOCIATED WITH MACROSCALE WATERSHET MODELING
07/27/1998 - 05/13/2003 FY02: $0 Total: $66,000
Prin. Invest.: J F CRUISE
Tech. Officer: MSFC/J F DOWDY
CASE Category: 49 – ENGINEERING, OTHER

NCC 1 354 **UNIV OF WISCONSIN - MILWAUKEE** **9862**
PION PRODUCTION CROSS SECTIONS
08/02/1999 - 12/31/2002 FY02: $0 Total: $128,671
Prin. Invest.: J W NORBURY
Tech. Officer: LARC/R C SINGLETERRY, JR., LARC/J W WILSON
CASE Category: 13 – PHYSICS

NCC 8 173 **UNIV OF WISCONSIN - MILWAUKEE** **9863**
PC12 PHEOCHROMOCYTOMA CELLS: A PROVEN MODEL SYSTEM FOR OPTIMIZING 3-D CELL CULTURE
03/01/1999 - 11/30/2002 FY02: $0 Total: $151,876
Prin. Invest.: P I LELKES
Tech. Officer: JSC/D R MORRISON
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NGT 1 52217 **UNIV OF WISCONSIN - MILWAUKEE** **9864**
GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)
06/01/1999 - 06/30/2002 FY02: $0 Total: $66,000
Prin. Invest.: S R BLATTNING, J W NORBURY
Tech. Officer: LARC/R C SINGLETERRY, JR., LARC/J W WILSON
CASE Category: 13 – PHYSICS

WYOMING

NAG 1 2164 **UNIV OF WYOMING** **9865**
EALUATION OF SAGE II AND BALLOON-BARNE STRATO- SPHERIC AEROSOL MEASUREMENTS
03/18/1999 - 12/31/2001 FY02: $0 Total: $138,058
Prin. Invest.: T DESHLER
Tech. Officer: LARC/G L MADDREA, LARC/L R POOLE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 01063 **UNIV OF WYOMING** **9866**
SYNTHETIC JET INTERACTION WITH A TURBULENT BOUNDARY LAYER FLOW
04/11/2001 - 04/10/2002 FY02: $0 Total: $32,885
Prin. Invest.: D R SMITH
Tech. Officer: LARC/F J CHEN
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 2 1570 **UNIV OF WYOMING** **9867**
MECHANICAL VERIFICATION OF SYNTHESIZED CODE
07/12/2002 - 10/14/2003 FY02: $0 Total: $0
Prin. Invest.: J R COWLES
Tech. Officer: ARC/M LOWRY, ARC/S LAU
CASE Category: 22 – COMPUTER SCIENCE

NAG 2 1576 **UNIV OF WYOMING** **9868**
IN SITU AEROSOL PROFILE MEASUREMENTS AND COMPARISO NS WITH SAGE III AEROSOL EXTINCTION AND SURFACE A
08/06/2002 - 11/30/2003 FY02: $0 Total: $0
Prin. Invest.: T DESHLER
Tech. Officer: ARC/C P SCOFIELD
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 4 208 **UNIV OF WYOMING** **9869**
REDUCTION OF BASE DRUG ON LAUNCH VEHICLES REDUCTION OF BASE DRUG ON LAUNCH VEHICLES
05/22/2000 - 03/31/2002 FY02: $0 Total: $74,384
Prin. Invest.: D W NAUGHTON
Tech. Officer: DFRC/S A WHITMORE
CASE Category: 41 – AERONAUTICAL ENGNR

NAG 5 3861 **UNIV OF WYOMING** **9870**
ASSESSMENT OF CLIMATIC AND ANTHROPOGENIC IMPACTS O CYCLE CONSTRAINED BY ATMOSPHERIC MEASUREMENTS AND
02/03/1997 - 01/14/2002 FY02: $0 Total: $129,885
Prin. Invest.: E HUNT, JR.
Tech. Officer: GSFC/D E WICKLAND
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 8904 **UNIV OF WYOMING** **9871**
THERMAL EMISSION FROM LAVA FLOWS
12/28/1999 - 12/31/2002 FY02: $0 Total: $14,400
Prin. Invest.: R HOWELL
Tech. Officer: GSFC/J GRANT
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 8917 **UNIV OF WYOMING** **9872**
MULTI-WAVELENGTH MODELING OF HOT SPOTS ON LO
01/18/2000 - 12/31/2002 FY02: $0 Total: $20,100
Prin. Invest.: R N HOWELL
Tech. Officer: GSFC/D BOGAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 11191 **UNIV OF WYOMING** **9873**
TO ENHANCE GROUND-BASED OBSERVATIONAL SUPPORT FOR TRAN-SIENT ASTRONOMY RESEARCH
09/07/2001 - 09/14/2002 FY02: $0 Total: $18,160
Prin. Invest.: R CANTERNA
Tech. Officer: GSFC/J P NORRIS
CASE Category: 11 – ASTRONOMY

NAG 5 11730 **UNIV OF WYOMING** **9874**
INTERPRETATION OF X-RAY AND INFRARED EMISSION FROM IO AND OTHER PLANETARY BODIES
02/14/2002 - 02/14/2003 FY02: $0 Total: $0
Prin. Invest.: R R HOWELL
Tech. Officer: GSFC/D SENSKE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 9 1176 **UNIV OF WYOMING** **9875**
DEVELOP SECURE INTERNET BASED DATA TRANSFER SYSTEM FOR COUNTERMEASURES EVALUATION & VALIDATION PROJ
11/15/1999 - 11/14/2001 FY02: $0 Total: $70,931
Prin. Invest.: R E GANTENBEIN
Tech. Officer: GSFC/C LUNDQUIST
CASE Category: 59 – LIFE SCIENCE, OTHER

NAS 1 18945 **UNIV OF WYOMING** **9876**
SAGE III SCIENCE INVESTIGATION SUPPORT P.I. - DR. GABOR VALI
01/17/1990 - 01/31/2005 FY02: $0 Total: $438,300
Prin. Invest.: G VALI
Tech. Officer: LARC/G L MADDREA, LARC/L R MCMASTER
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 2 5315 **UNIV OF WYOMING** **9877**
AUTOMATIC FRINGE DETECTION FOR OIL FILM INTERFEROM ETRY SKIN-FRICTION MEASUREMENT
04/12/1999 - 06/30/2001 FY02: $0 Total: $40,108
Prin. Invest.: J W NAUGHTON
Tech. Officer: ARC/D M DRIVER, ARC/G ZILLIAC
CASE Category: 41 – AERONAUTICAL ENGNR

NCC 5 414 **UNIV OF WYOMING** **9878**
EPSCOR PREPARATION PROGRAM
06/18/1999 - 08/31/2002 FY02: $0 Total: $428,236
Prin. Invest.: P JOHNSON
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 578 **UNIV OF WYOMING** **9879**
WYOMING NASA EPSCOR PROGRAM
10/31/2001 - 09/30/2004 FY02: $0 Total: $0
Prin. Invest.: P E JOHNSON
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30350 **UNIV OF WYOMING** **9880**
EFFECTS OF WIND ON SNOWPACK DISTRIBUTION & SUBSEQU ENT MELTWATER ROUTING ON ECOSYSTEM PROPERTIES/STU
08/24/2000 - 08/31/2003 FY02: $0 Total: $43,992
Prin. Invest.: W REINER
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40102 **UNIV OF WYOMING** **9881**
WYOMING SPACE GRANT COLL AND FELLOWSHIP PROGRAM
03/01/2001 - 02/28/2005 FY02: $0 Total: $249,004
Prin. Invest.: P E JOHNSON
Tech. Officer: GSFC/D D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 9 36 **UNIV OF WYOMING** **9882**
TRAINING GRANT
06/04/1998 - 11/01/2001 FY02: $0 Total: $66,000
Prin. Invest.: R 3 GANTENBEIN
Tech. Officer: JSC/D G SICKOREZ
CASE Category: 22 – COMPUTER SCIENCE

PUERTO RICO

NAG 5 11711 **POLYTECHNIC UNIV PUERTO RICO** **9883**
LIVING WITH A STAR, FUTURE ON SPACE RESEARCH & EXP LORATION
02/20/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: E LEAL-QUIROS
Tech. Officer: GSFC/G MOAK
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 2 1176 **PONCE SCHOOL OF MEDICINE** **9884**
MECHANISMS OF UV-B INDUCED FREE RADICAL OXIDATIVE DAMAGE IN BOVINE LENSES & HUMAN FIBROBLASTS
02/11/1998 - 08/28/2002 FY02: $0 Total: $300,000
Prin. Invest.: J L MATTA
Tech. Officer: ARC/H L D'ANTONI
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NAG 2 1385 **PONCE SCHOOL OF MEDICINE** **9885**
DNA REPAIR & SUSCEPTIBLITY TO UV-INDUCED BASAL CEL L CARCINOMA IN PUERTO RICAN POPULATIONS
10/26/1999 - 10/31/2001 FY02: $0 Total: $200,000
Prin. Invest.: J L MATTA
Tech. Officer: ARC/H L D'ANTONI
CASE Category: 56 – MEDICL

NCC 5 652 **UNIV DEL ESTE** **9886**
A MODEL: THE INST FOR ENHANCING KNOWLEDGE AND IMPROVING INSTRUCTION IN EARTHSCIENC
09/04/2002 - 08/31/2005 FY02: $0 Total: $0
Prin. Invest.: M HUERTAS
Tech. Officer: HQ/M MATEU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 1 02074 **UNIV OF PUERTO RICO - MAYAGUEZ** **9887**
MICROWAVE REMOTE SENSING OF THE MICROPHYSICAL PROPERTIES OF CLOUDS
03/25/2002 - 03/31/2005 FY02: $0 Total: $0
Prin. Invest.: S CRUZPOL
Tech. Officer: LARC/R A HATHAWAY
CASE Category: 31 – ATMOSPHERIC SCIENCE

NAG 3 2707 **UNIV OF PUERTO RICO - MAYAGUEZ** **9888**
MATHEMATICS, SCIENCE & TECHNOLOGY CIRCLES: A PILOT MATHEMAT-ICS, SCIENCE & TECHNOLOGY CIRCLES: A PILO
03/19/2002 - 01/31/2003 FY02: $0 Total: $0
Prin. Invest.: B RAMIREZ
Tech. Officer: GRC/R ROMERO
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 5302 **UNIV OF PUERTO RICO - MAYAGUEZ** **9889**
CORAL REEF MONITORING BY REMOTE SENSING OF CORAL SPAWN
09/05/2000 - 12/31/2002 FY02: $0 Total: $17,000
Prin. Invest.: E WEIL, J LOPEZ, R ARMSTRONG
Tech. Officer: WFF/C W WRIGHT
CASE Category: 33 – OCEANOGRAPHY

NAG 5 6031 **UNIV OF PUERTO RICO - MAYAGUEZ** **9890**
DYNAMIC TOPOGRAPHY, GRAVITY, & SURFACE DEFORMATION : APPLICA-TION TO HAZARD ASSESSMENT OF ERUPTING IS
10/02/1997 - 09/30/2002 FY02: $0 Total: $194,327
Prin. Invest.: G MATTIOLI
Tech. Officer: GSFC/H FREY
CASE Category: 32 – GEOLOGICAL SCIENCE

NAG 5 7198 **UNIV OF PUERTO RICO - MAYAGUEZ** **9891**
CATS-CARIBBEAN TIME SERIES: A SERIAL OBSERVING STA TION IN THE NORTHEASTERN CARIBBEAN SEA
05/04/1998 - 06/30/2001 FY02: $0 Total: $126,000
Prin. Invest.: J CORREDOR
Tech. Officer: GSFC/J W CAMBELL
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10255 **UNIV OF PUERTO RICO - MAYAGUEZ** **9892**
CURRICULUM INTEGRATION THROUGH SOLAR EDUCATION PROGRAM (CITSEP)
01/12/2001 - 01/14/2006 FY02: $0 Total: $55,106
Prin. Invest.: J G GONZALEZ LAGOA
Tech. Officer: GSFC/G COLON
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11296 **UNIV OF PUERTO RICO - MAYAGUEZ** **9893**
CATS CARIBBEAN TIME SERIES: A SERIAL OBSERVING STATION IN THE NORTHEASTERN CARIBBEAN SEA
08/29/2001 - 09/30/2002 FY02: $0 Total: $65,200
Prin. Invest.: J CORREDOR
Tech. Officer: GSFC/J MARRA
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1389 UNIV OF PUERTO RICO - MAYAGUEZ 9894
RES:"THERMAL PROPERTIES OF MELT-GLASS TRANSITIONS OF ORGANIC COMPOUNDS FOR NONLINEAR OPTICAL APPLICA
07/09/1997 - 08/15/2001 FY02: $0 Total: $433,378
Prin. Invest.: A BARRIENTOS
Tech. Officer: MSFC/M VLASSE
CASE Category: 13 – PHYSICS

NAG10 243 UNIV OF PUERTO RICO - MAYAGUEZ 9895
MASTAP - TEACHER ENHANCEMENT PROJECT
04/15/1998 - 10/18/2001 FY02: $0 Total: $574,328
Prin. Invest.: B RAMIREZ
Tech. Officer: KSC/J DIGGS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG10 257 UNIV OF PUERTO RICO - MAYAGUEZ 9896
SODIUM CHLORIDE AND NITRATE SEPARATION/RECOVERY FROM CELSS WASTES
04/20/1999 - 04/19/2003 FY02: $0 Total: $264,146
Prin. Invest.: G COLON
Tech. Officer: KSC/J SAYER
CASE Category: 59 – LIFE SCIENCE, OTHER

NAG13 02031 UNIV OF PUERTO RICO - MAYAGUEZ 9897
INVESTIGATION OF FLOW-INDUCED VIBRATION AT THE E2 FACILITY
01/23/2002 - 12/31/2003 FY02: $0 Total: $0
Prin. Invest.: Y JIA
Tech. Officer: SSC/R TRAVIS
CASE Category: 47 – METAL & MATERIALS ENGR

NAG13 99029 UNIV OF PUERTO RICO - MAYAGUEZ 9898
DEVELOPMENT AND VALIDATION OF BIO-OPTICAL ALGOR- ITHMS IN COASTAL WATER
09/15/1999 - 09/25/2002 FY02: $0 Total: $199,980
Prin. Invest.: F GILBES
Tech. Officer: SSC/R TRAVIS
CASE Category: 51 – BIOLOGY (EXCLUDING ENVIR)

NCC 5 215 UNIV OF PUERTO RICO - MAYAGUEZ 9899
"TROPICAL ATMOSPHERIC SCIENCES CENTER"/ THE NASA/PUERTO RICO EPSCOR PROGRAM.
07/07/1997 - 06/30/2002 FY02: $0 Total: $1,800,000
Prin. Invest.: B G WEINER
Tech. Officer: GSFC/D DETROYE
CASE Category: 31 – ATMOSPHERIC SCIENCE

NCC 5 340 UNIV OF PUERTO RICO - MAYAGUEZ 9900
PARTNERSHIP FOR SPATIAL AND COMPUTATIONAL RESEARCH
06/22/1998 - 05/31/2003 FY02: $0 Total: $1,838,192
Prin. Invest.: L MORELL
Tech. Officer: GSFC/M MATHEWS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 518 UNIV OF PUERTO RICO - MAYAGUEZ 9901
TROPICAL CENTER FOR EARTH AND SPACE STUDIES
10/05/2000 - 09/30/2005 FY02: $0 Total: $1,190,981
Prin. Invest.: R FERNANDEZ-SEIN
Tech. Officer: GSFC/D L WILLIAMS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 5 30364 UNIV OF PUERTO RICO - MAYAGUEZ 9902
THEORETICAL QUANTUM STUDY OF THE DISSOCIATION & AD SORPTION DYNAMICS OF HC1 ON STRATOSPHERIC AEROSOL
08/24/2000 - 08/31/2001 FY02: $0 Total: $22,000
Prin. Invest.: A J CRUZ
Tech. Officer: GSFC/M WEI
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NGT 5 40012 UNIV OF PUERTO RICO - MAYAGUEZ 9903
TO SUPPORT PROGRAMS AND FELLOWSHIPS UNDER THE NATI COLL AND FELLOWSHIP PROGRAM.
01/30/1997 - 08/31/2001 FY02: $0 Total: $1,150,000
Prin. Invest.: D G WEINER
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT13 52746 UNIV OF PUERTO RICO - MAYAGUEZ 9904
VERTICAL VARIBILITY IN BIO-OPTICAL PROPERTIES OF COASTAL WATERS -ROLE IN DEV OF NEW REMOTE SENSING
09/25/2000 - 01/31/2004 FY02: $0 Total: $33,000
Prin. Invest.: M ROSADO
Tech. Officer: SSC/R TRAVIS
CASE Category: 22 – COMPUTER SCIENCE

NAG 3 2636 UNIV OF PUERTO RICO HUMACAO UNIV COLL 9905
RF PROPAGATION EFFECTS IN TROPICAL RAIN ZONE RF PROPAGATION EFFECTSIN TROPICAL RAIN ZONE
09/24/2001 - 09/14/2002 FY02: $0 Total: $10,000
Prin. Invest.: J C CERSOSIMO
Tech. Officer: GRC/R ACOSTA
CASE Category: 45 – ELECTRICAL ENGR

NCC 3 963 UNIV OF PUERTO RICO HUMACAO UNIV COLL 9906
POLYMER NANOFIBERS FOR NANOELECTRONIC FIELD EFFECT TRANSIS-TORS
05/06/2002 - 12/01/2002 FY02: $0 Total: $0
Prin. Invest.: N J PINTO
Tech. Officer: GRC/F MIRANDA
CASE Category: 13 – PHYSICS

NAG 3 2676 UNIV OF PUERTO RICO-RIO PIEDRAS 9907
NANO-CRYSTALLINE LITHIUM ION INTERCLATED TRANSITIO N METAL OSIDE THIN FILMS FOR RECHARGEABLE BATTERI
01/25/2002 - 12/11/2004 FY02: $0 Total: $0
Prin. Invest.: R S KATIYAR
Tech. Officer: GRC/T B MILLER
CASE Category: 12 – CHEMISTRY

NAG 3 2749 UNIV OF PUERTO RICO-RIO PIEDRAS 9908
TRAINING FOR EXCELLENCE ON NANOTECHNOLOGY EDUCATIO N AND RESEARCH (TENER)
03/27/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: C R CABRERA
Tech. Officer: GRC/M E PEREZ-DAVIS
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 3 2769 UNIV OF PUERTO RICO-RIO PIEDRAS 9909
SELF-ASSEMBLY OF CARBON NANOTUBES ON PT AND SI ELE CTRODES
04/15/2002 - 04/14/2003 FY02: $0 Total: $0
Prin. Invest.: C CABRERA
Tech. Officer: GRC/T B MILLER
CASE Category: 12 – CHEMISTRY

NAG 5 9050 UNIV OF PUERTO RICO-RIO PIEDRAS 9910
INTERACTIONS AND DIVERSITY: EARTH SYSTEM SCIENCE & BEYOND
03/01/2000 - 02/14/2003 FY02: $49,890 Total: $99,890
Prin. Invest.: I L APONTE-AVELLANE
Tech. Officer: GSFC/N KHAZENIE
CASE Category: 39 – ENVIRONMENTAL SCI, OTHER

NAG 5 10321 UNIV OF PUERTO RICO-RIO PIEDRAS 9911
FUNDING FOR GRANT FOR PROPOSAL NUMBER NRA-99-05-05 5-1085 TITLED "DIAMOND ULTRAVIOLET SENSORS
01/31/2001 - 01/31/2004 FY02: $0 Total: $260,883
Prin. Invest.: D MORELL
Tech. Officer: GSFC/B MOTT
CASE Category: 19 – PHYSICAL SCIENCE, OTHER

NAG 5 11814 UNIV OF PUERTO RICO-RIO PIEDRAS 9912
UPR-RIO PIEDRAS BUSINESS ADMINISTRATION INTERNSHIP PROGRAM
03/05/2002 - 03/14/2003 FY02: $0 Total: $0
Prin. Invest.: J AYALA
Tech. Officer: GSFC/M MENCHAN
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 8 1709 UNIV OF PUERTO RICO-RIO PIEDRAS 9913
LAND MANAGEMENT IN THE TROPIC AND ITS EFFECTS ON THE GLOBAL ENVIRONMENT
03/20/2000 - 03/19/2003 FY02: $0 Total: $1,000,000
Prin. Invest.: B R WEINER
Tech. Officer: MSFC/W J LOVE
CASE Category: 54 – ENVIRONMENTAL BIOLOGY

NCC 5 407 UNIV OF PUERTO RICO-RIO PIEDRAS 9914
NASA EPSCOR: PREPARATORY GRANT PROPOSAL
05/17/1999 - 07/31/2002 FY02: $0 Total: $450,000
Prin. Invest.: B R WEINER
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NCC 5 595 UNIV OF PUERTO RICO-RIO PIEDRAS 9915
PUERTO RICO NASA EPSCOR PROGRAM
09/24/2001 - 08/31/2004 FY02: $0 Total: $350,000
Prin. Invest.: B WEINER
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NGT 3 52376 UNIV OF PUERTO RICO-RIO PIEDRAS 9916
GRADUATE STUDENT RESEARCH
06/08/2001 - 08/31/2003 FY02: $0 Total: $22,000
Prin. Invest.: C R CABRERA
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 12 – CHEMISTRY

NGT 3 52381 UNIV OF PUERTO RICO-RIO PIEDRAS 9917
GRADUATE STUDENT RESEARCHERS PROGRAM - DEVELOPMENT OF A METHODOLOGY FOR THEPREPARATION OF ORDERED
07/09/2002 - 07/31/2003 FY02: $0 Total: $0
Prin. Invest.: C R CABRERA
Tech. Officer: GRC/F J MONTEGANI
CASE Category: 12 – CHEMISTRY

NGT 5 40091 UNIV OF PUERTO RICO-RIO PIEDRAS 9918
PUERTO RICO SPACE GRANT COLL AND FELLOWSHIP PROGRAM
02/22/2001 - 02/28/2005 FY02: $0 Total: $406,250
Prin. Invest.: W WEINER
Tech. Officer: GSFC/D DETROYE
CASE Category: 99 – MULTI INTERDISCPL, OTHER

NAG 5 10240 UNIV OF TURABO 9919
ENGINEERING PREPARTORY PROJECT FOR HISPANIC HIGH SCHOOL STUDENTS
01/05/2001 - 02/28/2002 FY02: $0 Total: $192,998
Prin. Invest.: A COURTIER
Tech. Officer: GSFC/M MATEU
CASE Category: 49 – ENGINEERING, OTHER

NAG 5 11727 UNIV OF TURABO 9920
ENGINEERING PREPARATORY PROJECT FOR HISPANIC HIGH SCHOOL STUDENTS
02/07/2002 - 02/28/2003 FY02: $0 Total: $0
Prin. Invest.: A M COURTIE
Tech. Officer: GSFC/M MATEAU
CASE Category: 99 – MULTI INTERDISCPL, OTHER

CANADA

NAG 5 9875 BROCK UNIV 9923
U.S.-CANADA:FLUORESCENCE-BASED DIAGNOSTIC OF IRON LIMITATION FOR ANALYSIS OF NATURAL PHYTOPLANKTON
08/22/2000 - 08/31/2001 FY02: $0 Total: $21,000
Prin. Invest.: D BRUCE
Tech. Officer: GSFC/M BEHRENFELD
CASE Category: 32 – GEOLOGICAL SCIENCE

GREAT BRITAIN

NAGW 2127 UNIV OF WALES 9924
SOLUTION ALGORITHMS FOR HIGH SPEED COMPRESSIBLE FLOWS
06/15/1990 - 04/30/2002 FY02: $0 Total: $672,400
Prin. Invest.: O C ZIENKIEWICZ
Tech. Officer: ARC/K K GUPTA, ARC/K L PETERSEN
CASE Category: 41 – AERONAUTICAL ENGNR

NETHERLANDS

NAG 1 2129 DELFT UNIV OF TECHNOLOGY-NETHERLANDS 9925
INVESTIGATION OF THE SENSITIVITY OF THE BUCKLING L OAD TO VARIATIONS IN DESIGN PARAMETERS AND GEOMET
01/14/1999 - 06/30/2002 FY02: $0 Total: $75,001
Prin. Invest.: J ARBOCZ
Tech. Officer: LARC/J H STARNES, JR., LARC/M P NEMETH
CASE Category: 41 – AERONAUTICAL ENGNR

NEW ZEALAND

NAG 2 1395 UNIV OF OTAGO 9926
THE ROLE OF AIRCRAFT ACCIDENT AND INCIDENT CASE HI STORIES IN AVIATION SAFETY AND TRAINING
02/03/2000 - 01/31/2002 FY02: $0 Total: $171,484
Prin. Invest.: D O'HARE
Tech. Officer: ARC/I BARSHI
CASE Category: 41 – AERONAUTICAL ENGNR

PERU

NAS 5 99121 UNIV NACIONAL DE SAN AGUSTIN - AREQUIPA 9927
OPERATE & MAINTAIN LASER TRACKING STATION AT AREQUIPA PERU
03/18/1999 - 01/23/2002 FY02: $0 Total: $429,377
Prin. Invest.: N APPLICABLE
Tech. Officer: GSFC/D L CARTER
CASE Category: 32 – GEOLOGICAL SCIENCE

RUSSIA

NCC 1 353 ALL RUSSIA INST. OF AVIATION METALS (VIAM) 9921
EVALUATION OF LIGHTWEIGHT ALLOYS & ADVANCED MATERIALS PROCESSING FOR AIRFRAMS & SPACE VEHICLE
01/13/2000 - 12/31/2002 FY02: $0 Total: $222,000
Prin. Invest.: J FRIDLYANDER
Tech. Officer: LARC/R K BIRD
CASE Category: 47 – METAL & MATERIALS ENGR

NCC 1 01005 MOSCOW INST OF PHYSICS & TECHNOLOGY 9922
INVEST A/C WAKE MOD 4 MITIGATN/REDUCTN OF HARMFUL ATMOSPH EFFECTS SUBSONIC/SUPRSONIC A/C ENGINE EXH
09/20/2001 - 09/19/2004 FY02: $0 Total: $100,000
Prin. Invest.: M L KOGAN, W L GROSS
Tech. Officer: LARC/W L GROSS, LARC/R S ECKMAN
CASE Category: 31 – ATMOSPHERIC SCIENCE

NASA'S UNIVERSITY PROGRAM
APPENDIX
CROSS INDEX BY FIELD OF SCIENCE AND ENGINEERING

The fields used here are specified by Amendment J, "Standard Classification of Fields of Science and Engineering," to Office of Management and Budget (OMB) Circular A-46, "Standards for Statistical Surveys." Field codes are interpreted as follows:

PHSICAL SCIENCES

11 ASTRONOMY
12 CHEMISTRY
13 PHYSICS
19 PHYSICAL SCIENCES, NEC*

ENVIRONMENTAL SCIENCES
(Terrestrial and extraterrestrial)

31 ATMOSPHERIC SCIENCES
32 GEOLOGICAL SCIENCES
33 OCEANOGRAPHY
39 ENVIRONMENTAL SCIENCES, NEC*

LIFE SCIENCES

51 BIOLOGICAL SCIENCES
54 ENVIRONMENTAL BIOLOGY
55 AGRICULTURAL SCIENCES
56 MEDICAL SCIENCES
59 LIFE SCIENCES, NEC*

SOCIAL SCIENCES

71 ANTHROPOLOGY
72 ECONOMICS
73 HISTORY
74 LINGUISTICS
75 POLITICAL SCIENCE
76 SOCIOLOGY
79 SOCIAL SCIENCE, NEC*

MATHEMATICAL/ COMPUTER SCIENCE

21 MATHEMATICS
22 COMPUTER SCIENCES
29 MATHEMATICAL COMPUTER SCIENCES, NEC*

ENGINEERING

41 AERONAUTICAL
42 ASTRONAUTICAL
43 CHEMICAL
44 CIVIL
45 ELECTRICAL
46 MECHANICAL
47 METALLURGY AND MATERIALS
49 ENGINEERING, NEC*

PSYCHOLOGY

61 BIOLOGICAL
62 SOCIAL SCIENCES
69 PSYCHOLOGICAL, NEC*

*OTHER SCIENCES***

99 ALL DISCIPLINE(S)

* Not elsewhere classified (for interdisciplinary projects and others not listed by discipline name)

** For interdisciplinary projects which cannot be classified within any of the preceding main fields

Abbreviations used in the *Technical Officer Location* column are discussed in the prefatory pages.

FIELD CODE	INSTITUTION	TECHNICAL OFFICER	TECH OFF LOC.	FIRST PRINCIPAL INVESTIGATOR	AGREEMENT NUMBER	PAGE NUM.
11	ARIZONA STATE UNIV	D BOGAN	GSFC	R GREELY	NAG 5 8897	20
11	ARIZONA STATE UNIV	D BOGAN	GSFC	S A FAGENTS	NAG 5 8898	20
11	ARIZONA STATE UNIV	D K WEST	GSFC	S STARRFIELD	NAG 5 6741	19
11	ARIZONA STATE UNIV	D K WEST	GSFC	S G STARRFIELD	NAG 5 8278	19
11	ARIZONA STATE UNIV	D K WEST	GSFC	M POLITANO	NAG 5 8481	19
11	ARIZONA STATE UNIV	D NAVA	GSFC	T G SHARP	NAG 5 9381	20
11	ARIZONA STATE UNIV	D SENSKE	GSFC	R GREELY	NAG 5 10460	21
11	ARIZONA STATE UNIV	G SONNEBORN	GSFC	A P COWLEY	NAG 5 8805	20
11	ARIZONA STATE UNIV	G SONNEBORN	GSFC	S G STARRFIELD	NAG 5 9395	20
11	ARIZONA STATE UNIV	G SONNEBORN	GSFC	J B HOLBERG	NAG 5 10316	21
11	ARIZONA STATE UNIV	J BOYCE	GSFC	D R HUSS	NAG 5 8173	19
11	ARIZONA STATE UNIV	J BOYCE	GSFC	L A LESHIN	NAG 5 8286	19
11	ARIZONA STATE UNIV	J BOYCE	GSFC	R GREELEY	NAG 5 8721	20
11	ARIZONA STATE UNIV	J BOYCE	GSFC	P R BUSECK	NAG 5 9352	20
11	ARIZONA STATE UNIV	J BOYCE	GSFC	R GREELY	NAG 5 9773	20
11	ARIZONA STATE UNIV	J BOYCE	GSFC	S WYCKOFF	NAG 5 10077	20
11	ARIZONA STATE UNIV	J BOYCE	GSFC	P R CHRISTIANSON	NAG 5 10310	21
11	ARIZONA STATE UNIV	J BOYCE	GSFC	G HUSS	NAG 5 10449	21
11	ARIZONA STATE UNIV	J BOYCE	GSFC	H VANHALA	NAG 5 11566	21
11	ARIZONA STATE UNIV	J BOYCE	GSFC	G R HUSS	NAG 5 11770	22
11	ARIZONA STATE UNIV	J BOYCE	GSFC	L A LESHIN	NAG 5 11809	22
11	ARIZONA STATE UNIV	J BOYCE	GSFC	P WILLIAMS	NAG 5 11899	22
11	ARIZONA STATE UNIV	J BOYCE	GSFC	M A PRESLEY	NAG 5 12141	22
11	ARIZONA STATE UNIV	J BOYCE	GSFC	R GREELEY	NAG 5 12142	22
11	ARIZONA STATE UNIV	J GRANT	GSFC	R GREELEY	NAG 5 8948	20
11	ARIZONA STATE UNIV	J M BOYCE	GSFC	S WYCKOFF	NAG 5 10753	21
11	ARIZONA STATE UNIV	J M BOYCE	GSFC	S FAGENTS	NAG 5 11199	21
11	ARIZONA STATE UNIV	M GREENHOUSE	GSFC	R A WINDHORST	NAG 5 12460	22
11	ARIZONA STATE UNIV	R OLIVERSEN	GSFC	S STARRFIELD	NAG 5 9263	20
11	ARIZONA STATE UNIV	J BOYCE	HQ	L LESHIN	NAG 5 7540	19
11	ARIZONA STATE UNIV	J BOYCE	HQ	D R HUSS	NAG 5 8158	19
11	ARIZONA STATE UNIV	J BOYCE	HQ	R GREELEY	NAG 5 8453	19
11	AUBURN UNIV	D BRUNNER	GSFC	H W BRANDHORST	NCC 5 459	4
11	AUBURN UNIV	D EVANS	GSFC	D LIN	NAG 5 8081	3

FIELD CODE	INSTITUTION	TECHNICAL OFFICER	TECH OFF LOC.	FIRST PRINCIPAL INVESTIGATOR	AGREEMENT NUMBER	PAGE NUM.
11	BLOOMSBERG UNIV	J GRANT	GSFC	M K SHEPARD	NAG 5 7964	430
11	BOSTON COLL	R J OLIVERSEN	GSFC	S J CAREY	NAG 5 10824	275
11	BOSTON UNIV	D WEST	GSFC	J R MATTOX	NAG 5 3384	275
11	BOSTON UNIV	J LING	GSFC	N CROOKER	NAG 5 6658	275
11	BOSTON UNIV	J LING	GSFC	N U CROOKER	NAG 5 7049	275
11	BOSTON UNIV	J M BOYCE	GSFC	M MENDILLO	NAG 5 11077	277
11	BOSTON UNIV	J R BYRD	GSFC	P CHAKRABARTI	NAG 5 10801	277
11	BOSTON UNIV	R J OLIVERSEN	GSFC	J M JACKSON	NAG 5 10808	277
11	BOSTON UNIV	R J OLIVERSEN	GSFC	A P MARSCHER	NAG 5 11811	278
11	BOSTON UNIV	R OLIVERSEN	GSFC	A MARSCHER	NAG 5 9161	276
11	BOSTON UNIV	T MORGAN	GSFC	J BAUMGARDNER	NAG 5 10496	277
11	BOWIE STATE UNIV	J TILTON	GSFC	M MAREBOYANA	NAG 5 2829	236
11	BROWN UNIV	B CAMPBELL	GSFC	P H SCHULTZ	NAG 5 7082	452
11	BROWN UNIV	C STAHLE	GSFC	G SEIDEL	NAG 5 10383	453
11	BROWN UNIV	D BOGAN	GSFC	D T PAPPALARDO	NAG 5 8046	452
11	BROWN UNIV	D NAVA	GSFC	M J RUTHERFRD	NAG 5 9522	452
11	BROWN UNIV	D SENSKE	GSFC	P H SCHULTZ	NAG 5 10188	453
11	BROWN UNIV	D SENSKE	GSFC	J HEAD	NAG 5 10690	453
11	BROWN UNIV	G STRINGFELLOW	GSFC	G TUCKER	NAG 5 9453	452
11	BROWN UNIV	J BOYCE	GSFC	D C HESS	NAG 5 8174	452
11	BROWN UNIV	J BOYCE	GSFC	J F MUSTARD	NAG 5 9589	452
11	BROWN UNIV	J BOYCE	GSFC	C M PIETERS	NAG 5 10010	452
11	BROWN UNIV	J BOYCE	GSFC	J W HEAD III	NAG 5 10031	452
11	BROWN UNIV	J BOYCE	GSFC	M J RUTHERFORD	NAG 5 12225	453
11	BROWN UNIV	J BOYCE	GSFC	M KRESLAVSKY	NAG 5 12286	453
11	BROWN UNIV	J BOYCE	GSFC	J HEAD	NAG 5 12474	454
11	BROWN UNIV	J M BOYCE	GSFC	J HEAD	NAG 5 10573	453
11	BROWN UNIV	L SMITH	GSFC	P H SCHULTZ	NGT 5 50166	454
11	BROWN UNIV	M MEYER	GSFC	Y HUANG	NAG 5 10665	453
11	BROWN UNIV	R BEEBE	GSFC	D T PAPPALARDO	NAG 5 7866	452
11	BROWN UNIV	J BOYCE	HQ	M J RUTHERFORD	NAG 5 8181	452
11	CALIFORNIA INST OF TECH	B A MERRITT	GSFC	S BOGGS	NAG 5 5286	42
11	CALIFORNIA INST OF TECH	B BETTS	GSFC	J KIRSCHVINK	NAG 5 10410	45
11	CALIFORNIA INST OF TECH	B CAMPBELL	GSFC	J BEAUCHAMP	NAG 5 7081	43
11	CALIFORNIA INST OF TECH	B WORRALL	GSFC	E STONE	NAG 5 6912	42
11	CALIFORNIA INST OF TECH	D K WEST	GSFC	S KULKARNI	NAG 5 6402	42
11	CALIFORNIA INST OF TECH	D K WEST	GSFC	R BLANDFORD	NAG 5 7007	42
11	CALIFORNIA INST OF TECH	D K WEST	GSFC	E PHINNEY	NAG 5 7034	43
11	CALIFORNIA INST OF TECH	D K WEST	GSFC	J M CARPENTER	NAG 5 8217	43
11	CALIFORNIA INST OF TECH	D NAVA	GSFC	D S BURNETT	NAG 5 4319	41
11	CALIFORNIA INST OF TECH	D SENSKE	GSFC	T AHRENS	NAG 5 10208	44
11	CALIFORNIA INST OF TECH	E J WOLLACK	GSFC	A E LANGE	NAG 5 10317	45
11	CALIFORNIA INST OF TECH	F A HERRERO	GSFC	S BOGGS	NAG 5 8743	43
11	CALIFORNIA INST OF TECH	F SNOW	GSFC	C MARTIN	NAS 5 98034	48
11	CALIFORNIA INST OF TECH	G STRINGFELLOW	GSFC	A LANGE	NAG 5 9344	43
11	CALIFORNIA INST OF TECH	H HASAN	GSFC	P LINDBLOM	NAG 5 4093	41
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	S KULKARNI	NAG 5 6981	42
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	D A PAPANASTASSIOU	NAG 5 8251	43
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	S R KULKARNI	NAG 5 8318	43
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	S SARGENT	NAG 5 9530	44
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	A P INGERSOL	NAG 5 9601	44
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	B C MURRAY	NAG 5 9606	44
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	G J WASSERBURG	NAG 5 10293	44
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	G BLAKE	NAG 5 10467	45
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	D STEVENSON	NAG 5 10602	45
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	Y YUNG	NAG 5 10724	45
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	A INGERSOLL	NAG 5 11288	46
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	M RICHARDSON	NAG 5 12156	47
11	CALIFORNIA INST OF TECH	J BOYCE	GSFC	G A BLAKE	NAG 5 9434	43
11	CALIFORNIA INST OF TECH	J M BOYCE	GSFC	S KULKARNI	NAG 5 10558	45
11	CALIFORNIA INST OF TECH	J M BOYCE	GSFC	D STEVENSON	NAG 5 10587	45
11	CALIFORNIA INST OF TECH	J R BYRD	GSFC	D A MEWALDT	NAG 5 10804	45
11	CALIFORNIA INST OF TECH	M MEYER	GSFC	J L KIRSCHVINK	NAG 5 10618	45
11	CALIFORNIA INST OF TECH	M SALAMON	GSFC	M P KAMIONKOWSKI	NAG 5 11985	47
11	CALIFORNIA INST OF TECH	M SALAMON	GSFC	R D BLANDFORD	NAG 5 12032	47
11	CALIFORNIA INST OF TECH	M SALAMON	GSFC	P M GOLDREICH	NAG 5 12037	47

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11	CALIFORNIA INST OF TECH	R F MUSHOTZKY	GSFC	F WALTER	NAG 5 9919	44
11	CALIFORNIA INST OF TECH	R H PLESS	GSFC	C MARTIN	NAG 5 5052	41
11	CALIFORNIA INST OF TECH	R J OLIVERSEN	GSFC	M P KAMIONKOWSKI	NAG 5 9821	44
11	CALIFORNIA INST OF TECH	R J OLIVERSEN	GSFC	E PHINNEY	NAG 5 10707	45
11	CALIFORNIA INST OF TECH	R J OLIVERSEN	GSFC	R J BRUNNER	NAG 5 10885	45
11	CALIFORNIA INST OF TECH	R J OLIVERSEN	GSFC	D THOMPSON	NAG 5 10955	46
11	CALIFORNIA INST OF TECH	R J OLIVERSEN	GSFC	A MARSTON	NAG 5 11388	46
11	CALIFORNIA INST OF TECH	R J OLIVERSEN	GSFC	L HILLENBRAND	NAG 5 11645	46
11	CALIFORNIA INST OF TECH	R MUSHOTZKY	GSFC	F A HARRISON	NAG 5 10047	44
11	CALIFORNIA INST OF TECH	R MUSHOTZKY	GSFC	R E RUTLEDGE	NAG 5 11419	46
11	CALIFORNIA INST OF TECH	R OLIVERSEN	GSFC	R SARI	NAG 5 10761	45
11	CALIFORNIA INST OF TECH	T MORGAN	GSFC	E SERABYN	NAG 5 6816	42
11	CALIFORNIA INST OF TECH	A NURRIDDIN	HQ	S G DJORGOVSKI	NGT 5 50215	48
11	CALIFORNIA STATE UNIV - FULLERTON	G SONNEBORN	GSFC	K CHEN	NAG 5 10312	50
11	CALIFORNIA STATE UNIV - FULLERTON	J BOYCE	GSFC	D WOODLUM	NAG 5 9433	50
11	CALIFORNIA STATE UNIV - FULLERTON	J BOYCE	GSFC	D WOOLUM	NAG 5 10695	50
11	CALIFORNIA STATE UNIV - LOS ANGELES	D BOGAN	GSFC	K KHURANA	NAG 5 8945	51
11	CALIFORNIA STATE UNIV - NORTHRIDGE	J SHARBER	GSFC	D A CHAPMAN	NAG 5 7778	51
11	CALIFORNIA STATE UNIV - NORTHRIDGE	W J WAGNER	GSFC	G A CHAPMAN	NAG 5 4973	51
11	CALIFORNIA STATE UNIV - NORTHRIDGE	W WAGNER	GSFC	G A CHAPMAN	NAG 5 7191	51
11	CARNEGIE - MELLON UNIV	B H HANKS	GSFC	T KANADE	NCC 5 223	434
11	CARNEGIE - MELLON UNIV	D K WEST	GSFC	A K ROMER	NAG 5 7926	431
11	CARNEGIE - MELLON UNIV	D LAVERY	GSFC	W WHITTAKER	NAG 5 7707	431
11	CARNEGIE - MELLON UNIV	D WEST	GSFC	R NICHOL	NAG 5 6548	431
11	CARNEGIE - MELLON UNIV	N WHITE	GSFC	R E GRIFFITHS	NAG 5 9902	432
11	CARNEGIE - MELLON UNIV	P M ATKINS	GSFC	A F PTAK	NAG 5 9922	432
11	CARNEGIE - MELLON UNIV	R F MUSHOTZKY	GSFC	A ROMER	NAG 5 9899	432
11	CARNEGIE - MELLON UNIV	R J OLIVERSEN	GSFC	T MIYAJI	NAG 5 10875	432
11	CARNEGIE - MELLON UNIV	R J OLIVERSEN	GSFC	A K ROMER	NAG 5 11634	432
11	CARNEGIE - MELLON UNIV	R MUSHOTZKY	GSFC	R C NICHOL	NAG 5 10014	432
11	CARNEGIE - MELLON UNIV	R MUSHOTZKY	GSFC	T MIYAJI	NAG 5 10043	432
11	CARNEGIE - MELLON UNIV	R MUSHOTZKY	GSFC	A F PTAK	NAG 5 10170	432
11	CARNEGIE - MELLON UNIV	R MUSHOTZKY	GSFC	T DIMATTEO	NAG 5 11888	432
11	CASE WESTERN RESERVE UNIV	D K WEST	GSFC	C MIHOS	NAG 5 7019	401
11	CASE WESTERN RESERVE UNIV	J BOYCE	GSFC	R HARVEY	NAG 5 11122	401
11	CASE WESTERN RESERVE UNIV	J BOYCE	HQ	R HARVEY	NAG 5 6715	401
11	CHRISTOPHER NEWPORT UNIV	D STARR	GSFC	N POUGATCHEV	NAG 5 6503	501
11	CITY U COL OF NY YORK COLL	P SAKIMOTO	GSFC	M SPERGEL	NAG 5 10152	364
11	CITY UNIV OF NY SYSTEM	P R HOUSER	GSFC	A FREI	NAG 5 10645	366
11	CLARK ATLANTA UNIV	R BEEBE	GSFC	S TAYAL	NAG 5 6889	178
11	CLEMSON UNIV - CLEMSON	J BOYCE	GSFC	D D CLAYTON	NAG 5 11808	458
11	CLEMSON UNIV - CLEMSON	J P NORRIS	GSFC	M D LEISING	NAG 5 8075	457
11	CLEMSON UNIV - CLEMSON	J P NORRIS	GSFC	L THE	NAG 5 9702	457
11	CLEMSON UNIV - CLEMSON	R J OLIVERSEN	GSFC	M D LEISING	NAG 5 10764	457
11	CLEMSON UNIV - CLEMSON	J BOYCE	HQ	D D CLAYTON	NAG 5 8448	457
11	COLL OF CHARLESTON	G SONNEBORN	GSFC	J E NEFF	NAG 5 10313	458
11	COLL OF CHARLESTON	J BOYCE	GSFC	C R COOMBS	NAG 5 7183	458
11	COLL OF CHARLESTON	J M BOYCE	GSFC	C RUNYON	NAG 5 10633	459
11	COLL OF CHARLESTON	J ROSENDHAL	GSFC	M COLGAN	NCC 5 263	459
11	COLL OF CHARLESTON	R J OLIVERSEN	GSFC	T W GIBLIN	NAG 5 11017	459
11	COLL OF WOOSTER	G SONNEBORN	GSFC	B BOROSON	NAG 5 10396	407
11	COLL OF WOOSTER	K HARTNETT	GSFC	B BOROSON	NAG 5 10233	407
11	COLORADO SCH OF MINES	J BOYCE	GSFC	M B DUKE	NAG 5 9684	117
11	COLUMBIA UNIV	B A MERRITT	GSFC	E APRILE	NAG 5 5280	367
11	COLUMBIA UNIV	D F MUSHOTZKY	GSFC	F B PAERLES	NAG 5 9929	369
11	COLUMBIA UNIV	D F MUTSHOTZKY	GSFC	D J HELFAND	NAG 5 9928	369
11	COLUMBIA UNIV	D K WEST	GSFC	A P CROTTS	NAG 5 3502	366
11	COLUMBIA UNIV	D K WEST	GSFC	D HELFAND	NAG 5 6035	367
11	COLUMBIA UNIV	D K WEST	GSFC	J P HALPERN	NAG 5 7814	367
11	COLUMBIA UNIV	D K WEST	GSFC	E V GOTTHELF	NAG 5 7935	368
11	COLUMBIA UNIV	D K WEST	GSFC	J O PATTERSON	NAG 5 7977	368
11	COLUMBIA UNIV	D NAVA	GSFC	D LONGHI	NAG 5 4649	367
11	COLUMBIA UNIV	J P NORRIS	GSFC	U OBERLACK	NAG 5 9653	368
11	COLUMBIA UNIV	N E WHITE	GSFC	S M KAHN	NAG 5 7737	367
11	COLUMBIA UNIV	P ATKINS	GSFC	D HELFAND	NAG 5 9870	368

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11	COLUMBIA UNIV	R F MUSHOTZKY	GSFC	D J HELFAND	NAG 5 9946	369
11	COLUMBIA UNIV	R J OLIVERSEN	GSFC	J P HALPERN	NAG 5 9094	368
11	COLUMBIA UNIV	R J OLIVERSEN	GSFC	J P HALPERN	NAG 5 9095	368
11	COLUMBIA UNIV	R J OLIVERSEN	GSFC	E V GOTTHELF	NAG 5 9136	368
11	COLUMBIA UNIV	R M MUSHOTZKY	GSFC	E V GOTTHELF	NAG 5 9911	369
11	COLUMBIA UNIV	R MUSHOTZKY	GSFC	J P HALPERN	NAG 5 9950	369
11	COLUMBIA UNIV	R MUSHOTZKY	GSFC	C A SCHARF	NAG 5 10082	369
11	CORNELL UNIV	D K WEST	GSFC	T J LOREDO	NAG 5 3427	372
11	CORNELL UNIV	D K WEST	GSFC	D F CHERNOFF	NAG 5 8356	373
11	CORNELL UNIV	D K WEST	GSFC	D LAI	NAG 5 8484	373
11	CORNELL UNIV	D SENSKE	GSFC	B E CLARK	NAG 5 10289	374
11	CORNELL UNIV	D SENSKE	GSFC	J VEVERKA	NAG 5 10434	374
11	CORNELL UNIV	D SENSKE	GSFC	J F BELL	NAG 5 10636	374
11	CORNELL UNIV	F M FLASAR	GSFC	B J CONRATH	NCC 5 375	376
11	CORNELL UNIV	F M FLASAR	GSFC	P J GIERASCH	NCC 5 539	376
11	CORNELL UNIV	F M FLASAR	GSFC	B J CONRATH	NCC 5 622	376
11	CORNELL UNIV	G MUCKLOW	GSFC	G J STACEY	NAG 5 8673	373
11	CORNELL UNIV	G STRINGFELLOW	GSFC	D L HERTER	NAG 5 6495	372
11	CORNELL UNIV	J BERGSTRALH	GSFC	D J GIERABCH	NAG 5 3862	372
11	CORNELL UNIV	J BOYCE	GSFC	R LOVELACE	NAG 5 9735	373
11	CORNELL UNIV	J BOYCE	GSFC	J F BELL	NAG 5 9774	374
11	CORNELL UNIV	J BOYCE	GSFC	P GIERASCH	NAG 5 10579	374
11	CORNELL UNIV	J BOYCE	GSFC	R O POHL	NAG 5 10584	374
11	CORNELL UNIV	J M BOYCE	GSFC	R SULLIVAN	NAG 5 10574	374
11	CORNELL UNIV	J M BOYCE	GSFC	B CONRATH	NAG 5 10580	374
11	CORNELL UNIV	L D DEMING	GSFC	J HARRINGTON	NAG 5 9594	373
11	CORNELL UNIV	M SALAMON	GSFC	D LAI	NAG 5 12034	375
11	CORNELL UNIV	P CRANE	GSFC	A SIEVERS	NAG 5 9140	373
11	CORNELL UNIV	R BEEBE	GSFC	D J GIERASCH	NAG 5 7864	372
11	CORNELL UNIV	R BEEBE	GSFC	P HELFENSTEIN	NAG 5 8010	372
11	CORNELL UNIV	R OLIVERSEN	GSFC	R LOVELACE	NAG 5 9047	373
11	CORNELL UNIV	T MORGAN	GSFC	D S HOWELL	NAG 5 8070	373
11	CORNELL UNIV	T MORGAN	GSFC	P NICHOLSON	NAG 5 10438	374
11	CORNELL UNIV	J BOYCE	HQ	D J BANDFIELD	NAG 5 8282	373
11	CORNELL UNIV	D B JARRETT	JPL	J F VEVERKA	NASW 00005	376
11	DARTMOUTH COLL	D EVANS	GSFC	B U SONNERUP	NAG 5 7185	339
11	DARTMOUTH COLL	D EVANS	GSFC	M K HUDSON	NAG 5 7689	340
11	DARTMOUTH COLL	R OLIVERSEN	GSFC	B CHABOYER	NAG 5 9225	340
11	DEPAUL UNIV	J ROSENDHAL	GSFC	C C NARASIMHAN	NCC 5 272	198
11	DEPAUL UNIV	P SAKIMOTO	GSFC	C C	NCC 5 641	198
11	DINE COLL (FORMERLY NAVAJO COMM COLL)	P SAKIMOTO	GSFC	S SEMKEN	NAG 5 10254	23
11	DREXEL UNIV	D K WEST	GSFC	S L MCMILLAN	NAG 5 6964	435
11	DREXEL UNIV	J CENTRELLA	GSFC	M VALLIERES	NAG 5 11119	435
11	DREXEL UNIV	R J OLIVERSEN	GSFC	S L MCMILLAN	NAG 5 10775	435
11	DREXEL UNIV	R J OLIVERSEN	GSFC	M VOGELEY	NAG 5 12243	435
11	DREXEL UNIV	R OLIVERSEN	GSFC	S MCMILLAN	NAG 5 9264	435
11	EAST TENNESSEE STATE UNIV	G SONNEBORN	GSFC	D G LUTTERMOSER	NAG 5 10344	461
11	EAST NEW MEX. UNIV - MAIN CAMP	P SAKIMOTO	GSFC	S NUTTER	NAG 5 10150	356
11	FAIRFIELD UNIV	G MUCKLOW	GSFC	N HAEGEL	NAG 5 8650	143
11	FLA INTERNATIONAL UNIV	R HARTLE	GSFC	K HARDY	NAG 5 3826	160
11	FLORIDA A&M UNIV	P SAKIMOTO	GSFC	C A WEATHERFORD	NAG 5 10148	162
11	FLORIDA INST OF TECH	R J OLIVERSEN	GSFC	M ZHANG	NAG 5 10888	163
11	FLORIDA STATE UNIV	J BOYCE	GSFC	J C CAIN	NAG 5 8284	165
11	FLORIDA STATE UNIV	J BOYCE	GSFC	J C CAIN	NAG 5 12475	166
11	FLORIDA STATE UNIV	M MEYER	GSFC	I FRIEDMAN	NAG 5 9845	165
11	FRANKLIN-MARSHALL COLL	D K WEST	GSFC	D BACKMAN	NAG 5 6858	436
11	GEORGE MASON UNIV	D K WEST	GSFC	J WALLIN	NAG 5 8834	503
11	GEORGE MASON UNIV	M MCCUMBER	GSFC	M KAFATOS	NCC 5 555	505
11	GEORGE MASON UNIV	R J OLIVERSEN	GSFC	R M SAMBRUNA	NAG 5 10073	504
11	GEORGE MASON UNIV	R J OLIVERSEN	GSFC	R M SAMBRUNA	NAG 5 10243	504
11	GEORGE MASON UNIV	R J OLIVERSEN	GSFC	R M SAMBRUNA	NAG 5 10244	504
11	GEORGE MASON UNIV	R J OLIVERSEN	GSFC	R M SAMBRUNA	NAG 5 10708	504
11	GEORGE MASON UNIV	R J OLIVERSEN	GSFC	L OZNEROY	NAG 5 10776	504
11	GEORGE MASON UNIV	R MUSHOTZKY	GSFC	R M SAMBRUNA	NAG 5 10038	504
11	GEORGE MASON UNIV	S KEMPLER	GSFC	M KAFATOS	NCC 5 143	505

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11	GEORGE WASHINGTON UNIV	J SWANK	GSFC	W PARKE	NAG 5 11951	151
11	GEORGE WASHINGTON UNIV	R BEEBE	GSFC	D A LEVIN	NAG 5 8068	150
11	GEORGIA INST OF TECH	J M BOYCE	GSFC	J BRADLEY	NAG 5 10632	182
11	GEORGIA STATE UNIV	T P GREENE	ARC	T J HENRY	NCC 2 5479	187
11	GEORGIA STATE UNIV	D K WEST	GSFC	D GIES	NAG 5 6904	186
11	GEORGIA STATE UNIV	H HASAN	GSFC	S T MANSON	NAG 5 7752	186
11	GEORGIA STATE UNIV	H THRONSON	GSFC	D PERERA	NAG 5 4950	186
11	HAMPTON UNIV	J R BYRD	GSFC	D M RUSSELL	NAG 5 10796	507
11	HAMPTON UNIV	P SAKIMOTO	GSFC	A OMAR	NAG 5 10163	507
11	HARVARD UNIV	D NAVA	GSFC	D B JACOBSEN	NAG 5 4720	280
11	HARVARD UNIV	E SMITH	GSFC	R KIRSHNER	NAG 5 7768	281
11	HARVARD UNIV	G SONNEBORN	GSFC	J C RAYMOND	NAG 5 9019	281
11	HARVARD UNIV	J BOYCE	GSFC	D B JACOBSEN	NAG 5 4430	280
11	HARVARD UNIV	J BOYCE	GSFC	A W CAMERON	NAG 5 8467	281
11	HARVARD UNIV	JBOYCE	GSFC	S JACOBSEN	NAG 5 11925	282
11	HARVARD UNIV	M MEYER	GSFC	H D HOLLAND	NAG 5 10631	281
11	HARVARD UNIV	M SALAMON	GSFC	M WHITE	NAG 5 12041	282
11	HARVARD UNIV	M SALAMON	GSFC	L E HERNQUIST	NAG 5 12140	282
11	HARVARD UNIV	P CRANE	GSFC	A H DALGARNO	NAG 5 4348	280
11	HARVARD UNIV	R BEEBE	GSFC	W H PARKINSON	NAG 5 7859	281
11	HARVARD UNIV	R J OLIVERSEN	GSFC	A LOEB	NAG 5 7039	280
11	HARVARD UNIV	R J OLIVERSEN	GSFC	R NARAYAN	NAG 5 10780	281
11	HARVARD UNIV	R MUSHOTZKY	GSFC	J E GRINDLAY	NAG 5 10046	281
11	HARVARD UNIV	R MUSHOTZKY	GSFC	R NARAYAN	NAG 5 10105	281
11	HARVARD UNIV	RMUSHOTZKY	GSFC	J E GRINDLAY	NAG 5 10040	281
11	HAVERFORD COLL	R J OLIVERSEN	GSFC	S P BOUGHN	NAG 5 9285	436
11	INDIANA UNIV - BLOOMINGTON	D WEST	GSFC	STEIMAN-CAMERON	NAG 5 6773	213
11	INDIANA UNIV - BLOOMINGTON	G SONNEBORN	GSFC	S SHORE	NAG 5 9236	213
11	INDIANA UNIV - BLOOMINGTON	J BOYCE	GSFC	D H DURISEN	NAG 5 4295	213
11	INDIANA UNIV - BLOOMINGTON	J BOYCE	GSFC	A BASU	NAG 5 9369	213
11	INDIANA UNIV - BLOOMINGTON	J BOYCE	GSFC	R DURISEN	NAG 5 11964	213
11	INDIANA UNIV - BLOOMINGTON	B MERRIT	WFF	J MUSSER	NAG 5 5224	213
11	IOWA STATE UNIV	D K WEST	GSFC	S D KAWALER	NAG 5 8352	220
11	IOWA STATE UNIV	W WAGNER	GSFC	L A WILLSON	NAG 5 8465	221
11	JOHNS HOPKINS UNIV	L CAROFF	ARC	T HENRY	NAG 2 1392	238
11	JOHNS HOPKINS UNIV	B BETTS	GSFC	R L MCNUTT	NAG 5 8516	241
11	JOHNS HOPKINS UNIV	B BETTS	GSFC	R W MCENTIRE	NAG 5 9719	242
11	JOHNS HOPKINS UNIV	B BETTS	GSFC	W BRINCKERHOFF	NAG 5 10693	245
11	JOHNS HOPKINS UNIV	B CAMPBELL	GSFC	A F CHENG	NAG 5 7080	240
11	JOHNS HOPKINS UNIV	D C LING	GSFC	D M RUST	NAG 5 7921	240
11	JOHNS HOPKINS UNIV	D EVANS	GSFC	D Y LUI	NAG 5 7797	240
11	JOHNS HOPKINS UNIV	D EVANS	GSFC	D G SIBECK	NAG 5 7920	240
11	JOHNS HOPKINS UNIV	D K WEST	GSFC	K R SEMBACH	NAG 5 3485	239
11	JOHNS HOPKINS UNIV	D K WEST	GSFC	A S SZALAY	NAG 5 3503	239
11	JOHNS HOPKINS UNIV	D K WEST	GSFC	G R MEURER	NAG 5 8279	241
11	JOHNS HOPKINS UNIV	D R MENGERS	GSFC	H W MOOS	NAS 5 32985	250
11	JOHNS HOPKINS UNIV	D WEST	GSFC	G A KRISS	NAG 5 3255	239
11	JOHNS HOPKINS UNIV	G H MUCKLOW	GSFC	D G MITCHELL	NAG 5 8687	241
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	J A MORSE	NAG 5 8955	241
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	T M HECKMAN	NAG 5 9012	242
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	R SANKRIT	NAG 5 10248	243
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	T M HECKMAN	NAG 5 10302	244
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	S D FRIEDMAN	NAG 5 10355	244
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	L BIANCHI	NAG 5 10364	244
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	R SANKRIT	NAG 5 10380	244
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	R L SHELTON	NAG 5 10394	244
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11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	W V DIXON	NAG 5 10405	244
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11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	A FULLERTON	NAG 5 10650	245
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	H A WEAVER	NAG 5 10921	246
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	C HOWK	NAG 5 10957	246
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	J DUPUIS	NAG 5 11570	247
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	W P BLAIR	NAG 5 11581	247
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11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	J KRUK	NAG 5 11967	248
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11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	T M HECKMAN	NAG 5 12213	249
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	A FULLERTON	NAG 5 12261	249
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	L BIANCHI	NAG 5 12294	249
11	JOHNS HOPKINS UNIV	G SONNEBORN	GSFC	W P BLAIR	NAG 5 12423	249
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11	JOHNS HOPKINS UNIV	J BOYCE	GSFC	E RHODES	NAG 5 11783	247
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11	JOHNS HOPKINS UNIV	R J OLIVERSEN	GSFC	W V DIXON	NAG 5 10916	245
11	JOHNS HOPKINS UNIV	R J OLIVERSEN	GSFC	E COLBERT	NAG 5 11670	247
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11	JOHNS HOPKINS UNIV	R MUSHOTSKY	GSFC	J H KROLIK	NAG 5 10304	244
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11	JOHNS HOPKINS UNIV	R OLIVERSEN	GSFC	J DUPUIS	NAG 5 11844	247
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11	JOHNS HOPKINS UNIV	W WAGNER	GSFC	D M RUST	NAG 5 8331	241
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11	LOUISIANA STATE UNIV - BATON ROUGE	R OLIVERSEN	GSFC	G CLAYTON	NAG 5 9203	231
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11	MASSACHUSETTS INST OF TECH	D K WEST	GSFC	W H LEWIN	NAG 5 3558	286
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11	MASSACHUSETTS INST OF TECH	J BERGSTRALH	GSFC	D P BINZEL	NAG 5 3939	286
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11	MASSACHUSETTS INST OF TECH	J BOYCE	GSFC	M T ZUBER	NAG 5 8707	288
11	MASSACHUSETTS INST OF TECH	J BOYCE	GSFC	J I RICHARDSON	NAG 5 8720	288
11	MASSACHUSETTS INST OF TECH	J BOYCE	GSFC	T L GROVE	NAG 5 9525	289
11	MASSACHUSETTS INST OF TECH	J BOYCE	GSFC	T GROVE	NAG 5 10728	291
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11	MASSACHUSETTS INST OF TECH	R MUSHOTZKY	GSFC	W LEWIN	NAG 5 10192	290
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11	MICHIGAN STATE UNIV	W J WAGNER	GSFC	R F STEIN	NAG 5 9563	304
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11	MONTANA STATE UNIV	M SALAMON	GSFC	S TSURUTA	NAG 5 12079	333
11	MONTANA STATE UNIV	W WAGNER	GSFC	D CANFIELD	NAG 5 6110	332
11	MONTANA STATE UNIV	W WAGNER	GSFC	R C CANFIELD	NAG 5 11873	333
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11	NEW JERSEY INST OF TECH	W WAGNER	GSFC	M F WOODARD	NAG 5 8485	346
11	NEW JERSEY INST OF TECH	W WAGNER	GSFC	P R GOODE	NAG 5 11007	347
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11	NORTHERN ARIZONA UNIV	J BOYCE	GSFC	N BARLOW	NAG 5 12510	24
11	NORTHERN ARIZONA UNIV	T MORGAN	GSFC	C A GRIFFITH	NAG 5 6790	23
11	NORTHERN ARIZONA UNIV	T MORGAN	GSFC	S C TEGLER	NAG 5 7757	23
11	NORTHERN ARIZONA UNIV	J BOYCE	HQ	C A GRIFFITH	NAG 5 8146	23
11	NORTHERN ARIZONA UNIV	J BOYCE	HQ	D M CORNELISON	NAG 5 8203	24
11	NORTHWESTERN UNIV	D K WEST	GSFC	R E TAAM	NAG 5 7011	199
11	NORTHWESTERN UNIV	D SENSKE	GSFC	M S ROBINSON	NAG 5 10847	200
11	NORTHWESTERN UNIV	D SENSKE	GSFC	M S ROBINSON	NAG 5 12018	200
11	NORTHWESTERN UNIV	G SONNEBORN	GSFC	D M MEYER	NAG 5 10323	200
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11	NORTHWESTERN UNIV	W ZHANG	GSFC	M ULMER	NAG 5 10598	200
11	NORTHWESTERN UNIV	J BOYCE	HQ	M S ROBINSON	NAG 5 8294	200
11	NORTHWESTERN UNIV	J D JORDAN	LARC	C A MIRKIN	NAG 1 01058	199
11	OHIO STATE UNIV	D K WEST	GSFC	M H PINSONNEAULT	NAG 5 7150	410
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11	OHIO STATE UNIV	R MUSHOTZKY	GSFC	S MATHUR	NAG 5 9936	411
11	OHIO STATE UNIV	R MUSHOTZKY	GSFC	S MATHUR	NAG 5 9937	411
11	OHIO UNIV	R J OLIVERSEN	GSFC	B MCNAMARA	NAG 5 11025	414
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11	PENN STATE UNIV. - UNIV. PARK	D K WEST	GSFC	J CHARLTON	NAG 5 6399	440
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11	PENN STATE UNIV. - UNIV. PARK	M MEYER	GSFC	H OHMOTO	NAG 5 9089	441
11	PENN STATE UNIV. - UNIV. PARK	M S BURRELL	GSFC	JIAN GE	NGT 5 119	446
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11	PENN STATE UNIV. - UNIV. PARK	R F MUSKOTZKY	GSFC	W N BRANDT	NAG 5 9918	441
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11	PENN STATE UNIV. - UNIV. PARK	R J OLIVERSEN	GSFC	G PAVLOV	NAG 5 10865	442
11	PENN STATE UNIV. - UNIV. PARK	R MUSHOTZKY	GSFC	G CHARTAS	NAG 5 9934	441
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11	PENN STATE UNIV. - UNIV. PARK	R MUSHOTZKY	GSFC	Y TSUBOI	NAG 5 9970	441
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11	PENN STATE UNIV. - UNIV. PARK	R MUSHOTZKY	GSFC	D N BURROWS	NAG 5 10080	442
11	PENN STATE UNIV. - UNIV. PARK	R MUSHOTZKY	GSFC	N BRANDT	NAG 5 10089	442
11	PENN STATE UNIV. - UNIV. PARK	R OLIVERSEN	GSFC	P MESZAROS	NAG 5 9192	441
11	PENN STATE UNIV. - UNIV. PARK	S D HUNTER	GSFC	T JACKSON	NAG 5 9587	441
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11	POMONA COLL	J BOYCE	GSFC	E GROSFILS	NAG 5 10498	53
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11	UNIV OF CALIFORNIA - SANTA CRUZ	D J HOLLENBACH	ARC	P H BODENHEIMER	NCC 2 1081	112
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11	UNIV OF CALIFORNIA - SANTA CRUZ	D K WEST	GSFC	J R PRIMACK	NAG 5 8218	111
11	UNIV OF CALIFORNIA - SANTA CRUZ	D K WEST	GSFC	P GUHATHAKURTA	NAG 5 8348	111
11	UNIV OF CALIFORNIA - SANTA CRUZ	D K WEST	GSFC	W G MATHEWS	NAG 5 8409	111
11	UNIV OF CALIFORNIA - SANTA CRUZ	G SONNEBORN	GSFC	B J WEINER	NAG 5 10683	111
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11	UNIV OF CALIFORNIA - SANTA CRUZ	J BOYCE	GSFC	D H BODENHEIMER	NAG 5 4494	110
11	UNIV OF CALIFORNIA - SANTA CRUZ	J BOYCE	GSFC	P BODENHEIMER	NAG 5 9526	111
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11	UNIV OF CHICAGO	D K WEST	GSFC	A KONIGL	NAG 5 3687	202
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11	UNIV OF CHICAGO	P HUNTER	GSFC	P C FRISCH	NAG 5 8163	203
11	UNIV OF CHICAGO	R BEEBE	GSFC	R PIERREHUMBERT	NAG 5 7731	203
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11	UNIV OF COLORADO - BOULDER	D K WEST	GSFC	M BEGELMAN	NAG 5 6337	124
11	UNIV OF COLORADO - BOULDER	D K WEST	GSFC	J T STOCKE	NAG 5 6936	125
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11	UNIV OF HAWAII AT MANOA - HONOLULU	J BOYCE	GSFC	K KEIL	NAG 5 8713	191
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11	UNIV OF HAWAII AT MANOA - HONOLULU	J BOYCE	GSFC	L BECKER	NAG 5 9354	192
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11	WASHINGTON UNIV - ST. LOUIS	J BOYCE	GSFC	C M HOHENBERG	NAG 5 9442	330
11	WASHINGTON UNIV - ST. LOUIS	J BOYCE	GSFC	F PODOSEK	NAG 5 9449	330
11	WASHINGTON UNIV - ST. LOUIS	J BOYCE	GSFC	R M WALKER	NAG 5 9801	330
11	WASHINGTON UNIV - ST. LOUIS	J BOYCE	GSFC	B FEGLEY	NAG 5 10553	330
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11	WASHINGTON UNIV - ST. LOUIS	J BOYCE	HQ	D A PODOSEK	NAG 5 4098	328
11	WASHINGTON UNIV - ST. LOUIS	J BOYCE	HQ	T J BERNATOWICZ	NAG 5 8336	329
11	WASHINGTON UNIV - ST. LOUIS	M CHRISTI	MSFC	P L HINK	NCC 8 154	332
11	WELLESLEY COLL	D SENSKE	GSFC	R G FRENCH	NAG 5 10197	301
11	WESLEYAN UNIV	DNAVA	GSFC	D HERBST	NAG 5 4821	145
11	WESLEYAN UNIV	J M BOYCE	GSFC	W HERBST	NAG 5 12502	145
11	WESTERN KENTUCKY UNIV	JD ROSENDHAL	GSFC	C H MCGRUDER	NAG 5 8762	229
11	WHITMAN COLL	G SONNEBORN	GSFC	U SOFIA	NAG 5 9249	537
11	WICHITA STATE UNIV	D K WEST	GSFC	D ALEXANDER	NAG 5 3435	227
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12	BROWN UNIV	J BOYCE	GSFC	C PIETERS	NAG 5 10469	453
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12	CALIFORNIA INST OF TECH	J BOYCE	GSFC	E STOLPER	NAG 5 10423	45
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12	CALIFORNIA INST OF TECH	J BOYCE	GSFC	G WASSERBURG	NAG 5 11725	46
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12	CASE WESTERN RESERVE UNIV	D L BRITTON	GRC	D A SCHERSON	NAG 3 2644	401
12	CHARLES COUNTY COMM COLL	J A NUTH	GSFC	G KRAUSE	NCC 5 400	237
12	CHRISTOPHER NEWPORT UNIV	E J SIOCHI	LARC	T M ABDEL-FATTAH	NCC 1 02021	502
12	CITY UNIV NY KINGSBOROUGH COMM COLL	J BOYCE	HQ	M WEISBERG	NAG 5 11546	364
12	CLARK ATLANTA UNIV	M A MEADOR	GRC	E A MINTZ	NAS 3 01201	178
12	CLARK ATLANTA UNIV	M A MEADOR	GRC	D R BU	NCC 3 910	178
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12	CLARKSON UNIV	P DOTY	MSFC	W R WILCOX	NAG 8 1703	366
12	CLEMSON UNIV - CLEMSON	J BOYCE	GSFC	B MEYER	NAG 5 10454	457
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12	COLL OF WILLIAM AND MARY	J W CONNELL	LARC	R A ORWOLL	NAG 1 01107	502
12	COLL OF WILLIAM AND MARY	J W CONNELL	LARC	R A ORWOLL	NAG 1 2314	502
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12	NORFOLK STATE UNIV	W J LOVE	MSFC	L SALARY	NAG 8 1862	509
12	NORTHWESTERN UNIV	R S BALDWIN	GRC	D F SHRIVER	NAG 3 2628	199
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12	PRINCETON UNIV	D NOENER	MSFC	D SAVILLE	NAG 8 1368	350
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12	STANFORD UNIV	P DOTY	MSFC	G M HOMSY	NAG 8 1692	63
12	STATE UNIV OF NY - STONY BROOK	J BOYCE	GSFC	S MCLENNAN	NAG 5 10506	385
12	STATE UNIV OF NY - STONY BROOK	P DOTY	MSFC	M RAFAILOVICH	NAG 8 1698	385
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12	THE CATHOLIC UNIV OF AMERICA	J BOYCE	GSFC	T DICKINSON	NAG 5 12071	158
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12	TUFTS UNIV	N HAGEDORN	GRC	D B GOLDNER	NAG 3 2563	297
12	U OF ARKANSAS MAIN CAMP-FAYETTEVILLE	J BOYCE	GSFC	P BENOIT	NAG 5 10736	40
12	UNIV HOUSTON-HOUSTON	D F BLAKE	ARC	A D HAYMET	NCC 2 5396	482
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12	UNIV OF AKRON	M MEADOR	GRC	C PUGH	NCC 3 794	416
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12	UNIV OF ALABAMA - HUNTSVILLE	J CAMPBELL	MSFC	L SMALLEY	NAG 8 1403	12
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12	UNIV OF ARIZONA	J BOYCE	GSFC	A JULL	NAG 5 11979	35
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12	UNIV OF CALIFORNIA - BERKELEY	J F BOYCE	GSFC	D NISHIIZUMI	NAG 5 4992	68
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12	UNIV OF CALIFORNIA - LOS ANGELES	J BOYCE	GSFC	P WARREN	NAG 5 11556	91
12	UNIV OF CALIFORNIA - LOS ANGELES	J BOYCE	GSFC	J WASSON	NAG 5 12058	92
12	UNIV OF CALIFORNIA - SAN DIEGO	J BOYCE	GSFC	K MARTI	NAG 5 11554	100
12	UNIV OF CALIFORNIA - SAN DIEGO	J BOYCE	GSFC	G W LUGMAIR	NAG 5 11768	101
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12	UNIV OF NORTH CAROLINA - CHAPEL HILL	E J SIOCHI	LARC	E T SAMULSKI	NAG 1 2301	397
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12	UNIV OF TENNESSEE - KNOXVILLE	J BOYCE	GSFC	L A TAYLOR	NAG 5 11978	465
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12	UNIV OF VERMONT	J BOYCE	GSFC	T RUCHMER	NAG 5 10463	501
12	UNIV OF VIRGINIA	H PARTRIDGE	ARC	L S ANDREWS	NCC 2 5415	521
12	UNIV OF VIRGINIA	J BOYCE	GSFC	R A BARAGIOLA	NAG 5 12055	519
12	UNIV OF WASHINGTON	T BENCIC	GRC	D GOUTERMAN	NAG 3 2455	527
12	UNIV OF WASHINGTON	J BOYCE	GSFC	S MCCALLUM	NAG 5 11587	532
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13	BOSTON UNIV	J BRINTIN	WFF	J CLARKE	NAG 5 5383	275
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19	UNIV OF ALABAMA - HUNTSVILLE	C H SU	MSFC	J BAIRD	NAG 8 1850	12
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21	TENNESSEE STATE UNIV	W LOVE	MSFC	L SHARPE	NAG 8 1855	463
21	TRENHOLM STATE TECH COLL	W LOVE	MSFC	C THOMPSON	NAG 8 1610	5
21	TURTLE MOUNTAIN COMM COLL	R M STARR	LARC	L J HENRY	NCC 1 02035	398
21	UNIV OF AKRON	M BRIGHT	GRC	H K QAMMAR	NAG 3 2494	415
21	UNIV OF CALIFORNIA - DAVIS	D KWAK	ARC	M HAFEZ	NCC 2 5447	81
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21	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	M S BURRELL	GSFC	P E SAYLOR	NGT 5 134	211
21	UNIV OF NEW ORLEANS	R TRAVIS	SSC	K M AKYUZLU	NGT13 52721	234
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21	UNIV OF TEXAS AT SAN ANTONIO	L M ARMENDARIZ	JSC	M P BERRIOZABAL	NAG 9 1301	495
21	UNIV OF TEXAS AT SAN ANTONIO	L M ARMENDARIZ	JSC	M P BERRIOZABAL	NAG 9 1403	495
21	UNIV OF WASHINGTON	G SOFFEN	GSFC	J BURKE	NGT 5 66	535
21	WESLEYAN UNIV	R J OLIVERSEN	GSFC	K V JOHNSTON	NAG 5 9064	145
21	XAVIER UNIV - LOUISIANA	W LOVE	MSFC	R P HALE	NAG 8 1609	234
22	ALABAMA A&M UNIV	K MCGILL	GSFC	E E MOYERS	NAG 5 12524	1
22	ARIZONA STATE UNIV	R A MORRIS	ARC	S KAMBHAMPPATI	NAG 2 1461	19
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22	ARIZONA STATE UNIV	B L DI VITO	LARC	G C GANNOD	NAG 1 2241	18
22	BOSTON UNIV	J C OUGHLAN	ARC	R B MYNENI	NCC 2 1233	278
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22	CHRISTOPHER NEWPORT UNIV	T E PINELLI	LARC	R A CANTON	NCC 1 02039	502
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22	MICHIGAN TECHNOLOGICAL UNIV	J R FISCHER	GSFC	D MERKEY	NAG 5 8796	306
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22	UNIV OF MARYLAND - COLL PARK	P BOELINER	HQ	A MOSLEH	NASW 02011	267
22	UNIV OF MARYLAND BALTIMORE COUNTY	J C COUGHLAN	ARC	H KARGUPTA	NCC 2 1252	274
22	UNIV OF MARYLAND BALTIMORE COUNTY	A ROBERTS	GSFC	D S EBERT	NCC 5 361	274
22	UNIV OF MASSACHUSETTS - AMHERST	J BRESINA	ARC	S ZILBERSTEIN	NAG 2 1394	298
22	UNIV OF MASSACHUSETTS - AMHERST	J BRESINA	ARC	S ZILBERSTEIN	NGT 2 52276	300
22	UNIV OF MASSACHUSETTS - AMHERST	M LIVINGSTON	ARC	A DESHMUKH	NCC 2 1265	300
22	UNIV OF MASSACHUSETTS - AMHERST	M LIVINGSTON	ARC	A DESHMUKH	NCC 2 1348	300
22	UNIV OF MASSACHUSETTS - AMHERST	M LIVINGSTON	ARC	A DESHMUKH	NCC 2 1353	300
22	UNIV OF MASSACHUSETTS - AMHERST	R A MORRIS	ARC	S ZILBERSTEIN	NCC 2 1311	300
22	UNIV OF MASSACHUSETTS - AMHERST	R SAVELY	JSC	R A GRUPEN	NAG 9 1445	300
22	UNIV OF MASSACHUSETTS - AMHERST	R SAVELY	JSC	R GRUPEN	NGT 9 61	301
22	UNIV OF MEMPHIS	T R GOVINDAN	ARC	R KOZMA	NCC 2 1244	464
22	UNIV OF MINN	C S POTTER	ARC	V KUMAR	NCC 2 1231	321
22	UNIV OF MINN	M LOWRY	ARC	M HEIMDAHL	NCC 2 1335	321
22	UNIV OF MINN	R MORRIS	ARC	M HEIMDAHL	NCC 2 1240	321
22	UNIV OF MINN	K MCGILL	GSFC	M HEIMDAHL	NAG 5 11971	320
22	UNIV OF MINN	R W BUTLER	LARC	M E HEMDAHL	NAG 1 2242	317
22	U OF MONT	A PATTERSON-HINE	ARC	J HENRY	NCC 2 5397	335
22	U OF MONT	K P GOODEN	ARC	R NEMANI	NCC 2 1263	335
22	U OF MONT	K MCGILL	GSFC	D HENRY	NAG 5 11525	335
22	UNIV OF NEW MEXICO-ALBUQUERQUE	R MORRIS	ARC	M JAMSHIDI	NAG 2 1547	361
22	UNIV OF OKLAHOMA - NORMAN	W D IVANCIC	GRC	D ATIQUZZAMAN	NAG 3 2528	424
22	UNIV OF PUERTO RICO - MAYAGUEZ	R TRAVIS	SSC	M ROSADO	NGT13 52746	549
22	UNIV OF SOUTH CAROLINA-COLUMBIA	R TRAVIS	SSC	J JENSEN	NGT13 52723	460
22	UNIV OF SOUTHERN CALIFORNIA	C J PLAUNT	ARC	M TAMBE	NAG 2 1489	114
22	UNIV OF SOUTHERN CALIFORNIA	L STONE	ARC	T W BERGER	NCC 2 1242	116
22	UNIV OF SOUTHERN CALIFORNIA	T R GOVINDAN	ARC	L ADLEMAN	NCC 2 1224	116
22	UNIV OF SOUTHERN CALIFORNIA	R T SAVELY	JSC	M J MATARIC	NAG 9 1444	116
22	UNIV OF TENNESSEE - KNOXVILLE	J R FISCHER	GSFC	J DONGARRA	NAG 5 8773	464
22	UNIV OF TEXAS - ARLINGTON	R BISWAS	ARC	S K DAS	NCC 2 5395	486
22	UNIV OF TEXAS - AUSTIN	K TUMER	ARC	J GHOSH	NCC 2 5482	491
22	UNIV OF TEXAS - EL PASO	J BENNETT	GSFC	M KOLITSKY	NCC 5 97	494
22	UNIV OF TEXAS - EL PASO	J L HARRINGTON	GSFC	H SCHULTE	NCC 5 655	494
22	UNIV. OF TX-HLTH SCIENCE CTR-HOUSTON	P M JONES	ARC	J ZHANG	NCC 2 1234	485
22	UNIV. OF TX-HLTH SCIENCE CTR-HOUSTON	R T SAVELY	JSC	H WANG	NAG 9 1247	485
22	UNIV OF TOLEDO	W K GERDES	LARC	A AETEH	NAG 1 2244	419
22	UNIV OF VIRGINIA	K MOE	GSFC	J FRENCH	NAG 5 9747	518
22	UNIV OF VIRGINIA	K MOE	GSFC	J C FRENCH	NAG 5 12025	519
22	UNIV OF VIRGINIA	L H ROSENBERG	GSFC	D B DUGAN	NAG 5 11953	519
22	UNIV OF VIRGINIA	B L DIVITO	LARC	J C KNIGHT	NAG 1 02101	516
22	UNIV OF VIRGINIA	C M HOLLOWAY	LARC	J C KNIGHT	NAG 1 02103	516
22	UNIV OF VIRGINIA	K J HAYHURST	LARC	J C KNIGHT	NAG 1 2290	515
22	UNIV OF WASHINGTON	R A MORRIS	ARC	D WELD	NAG 2 1538	527
22	UNIV OF WASHINGTON	J STEPHENS	GSFC	S HAUCK	NAS 5 00212	534
22	UNIV OF WASHINGTON	J STEPHENS	GSFC	S HAUCK	NAS 5 00213	534
22	UNIV OF WEST FLORIDA	D CLANCY	ARC	J M BRADSHAW	NCC 2 1283	177
22	UNIV OF WEST FLORIDA	J C COUGHLAN	ARC	C GLYMOUR	NCC 2 1295	177
22	UNIV OF WEST FLORIDA	J SKILES	ARC	C M TENG	NCC 2 1239	177
22	UNIV OF WEST FLORIDA	M E DUENAS	ARC	K M FORD	NCC 2 1191	177
22	UNIV OF WEST FLORIDA	M SHAFTO	ARC	A CANAS	NCC 2 1297	177
22	UNIV OF WEST FLORIDA	R L ALENA	ARC	J M BRADSHAW	NCC 2 1254	177
22	UNIV OF WISCONSIN - MADISON	W E JOHNSTON	ARC	M LIVNY	NCC 2 5323	545
22	UNIV OF WISCONSIN - MADISON	F THEO	MSFC	J SANTARIUS	NAG 8 1719	544
22	UNIV OF WYOMING	M LOWRY	ARC	J R COWLES	NAG 2 1570	547
22	UNIV OF WYOMING	D G SICKOREZ	JSC	R 3 GANTENBEIN	NGT 9 36	548
22	UTAH STATE UNIV	P E HUNTER	GSFC	T BOSE	NAG 5 10716	499
22	VA POLYTECH INST & ST UNIV	T L HOLST	ARC	R K KAPANIA	NCC 2 5433	525
22	VA POLYTECH INST & ST UNIV	J M SEATON	LARC	G J OGLE	NGT 1 52224	525
22	VALENCIA COMM COLL	G BUCKINGHAM	KSC	K WOODBERRY	NAG10 165	177
22	VANDERBILT UNIV	R MORRIS	ARC	G BISWAS	NCC 2 1238	467
22	VANDERBILT UNIV	R ARONOFF	JSC	C HACHEY	NAG 9 1273	467
22	VANDERBILT UNIV	R SAVELY	JSC	K KAWAMURA	NAG 9 1446	467

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22	VANDERBILT UNIV	R T SAVELY	JSC	R A PETERS	NAG 9 1428	467
22	WEST VIRGINIA STATE COLL	K MCGILL	GSFC	C W SCHAFER	NAG 5 12269	538
22	WESTERN MICHIGAN UNIV	J L DUNGAN	ARC	C W EMERSON	NCC 2 1246	317
22	WINSTON-SALEM STATE UNIV	G J FOLLEN	GRC	D RADENSKI	NAG 3 2515	398
22	WRIGHT STATE UNIV	J TRIMBLE	ARC	V L SHALIN	NAG 2 1529	423
22	WRIGHT STATE UNIV	W J CLANCEY	ARC	V L SHALIN	NAG 2 1237	423
22	WRIGHT STATE UNIV	W J CLANCEY	ARC	V L SHALIN	NCC 2 1203	423
22	YALE UNIV	R MORRIS	ARC	P HUDAK	NCC 2 1229	147
29	ALABAMA A&M UNIV	R TILLEY	KSC	M ELSHAMY	NAG10 245	2
29	ARIZONA STATE UNIV	P W GOODE	LARC	M P MIGNOLET	NAG 1 2233	18
29	BOWIE STATE UNIV	J L HARRINGTONGSFC		P A SINSKY	NAG 5 12553	237
29	BROWN UNIV	H L ATKINS	LARC	C W SHU	NCC 1 01035	454
29	BROWN UNIV	H L ATKINS	LARC	C SHA	NGT 1 01037	454
29	BROWN UNIV	M H CARPENTER	LARC	A KANESKY	NGT 1 01024	454
29	CALIFORNIA INST OF TECH	J J RENTHER	ARC	N A PIERRE	NCC 2 5431	48
29	CALIFORNIA INST OF TECH	J FISCHER	GSFC	T A PRINCE	NCC 5 626	48
29	CARNEGIE - MELLON UNIV	C H SCHULBACH	ARC	T C MOWRY	NAG 2 1230	431
29	CASE WESTERN RESERVE UNIV	C R MERCER	GRC	S H IZEN	NAG 3 2210	400
29	COLL OF WILLIAM AND MARY	P C SCHUTTE	LARC	S FEYOCK	NAG 1 2271	502
29	ELIZABETH CITY STATE UNIV	D C ROBINSON	GRC	D PENDHARKAR	NAG 3 2556	391
29	FLA INTERNATIONAL UNIV	R J MCKINNEY	KSC	G A ROIG	NAG10 268	161
29	FLORIDA A&M UNIV	T GUO	GRC	E G COLLINS	NAG 3 2193	162
29	FLORIDA A&M UNIV	R A HATHAWAY	LARC	F HAMILTON	NAG 1 02114	161
29	FLORIDA MEMORIAL COLL	R MC KINNEY	KSC	H HUISSO	NAG10 247	164
29	GEORGE MASON UNIV	J J RENDER	LARC	T ARCISZEWSKI	NAG 1 01030	503
29	GEORGIA INST OF TECH	C T RAMOS	GRC	I F AKYILDIZ	NAG 3 2580	181
29	GEORGIA INST OF TECH	P W GOODE	LARC	A J CALISE	NAG 1 2243	179
29	HOWARD UNIV	R M BUTTON	GRC	D A MOMOH	NAG 3 2429	152
29	JOHNS HOPKINS UNIV	J BREDEKAMP	GSFC	G MURPHY	NAG 5 8548	241
29	MASSACHUSETTS INST OF TECH	G FOLLEN	GRC	R HAIMES	NAG 3 2523	286
29	MASSACHUSETTS INST OF TECH	J FISCHER	GSFC	J MARSHALL	NCC 5 625	295
29	MT HOLYOKE COLL	C HOLLINGSWORTH	GSFC	J MORROW	NAG 5 10238	296
29	NEW JERSEY INST OF TECH	J LITT	GRC	D P DHAWAN	NAG 3 2475	346
29	NORTH CAROLINA STATE UNIV. - RALEIGH	J A WHITE	LARC	J R EDWARDS	NAG 1 02052	394
29	NORTHEASTERN UNIV	M S BURRELL	GSFC	M LEESER	NGT 5 122	297
29	OHIO UNIV	J M SEATON	LARC	R L WILLIAMS	NAG 1 2299	414
29	OHIO UNIV	J M SEATON	LARC	R L WILLIAMS	NAG 1 01094	414
29	OLD DOMINION UNIV	D P GARBER	LARC	M H DUNN	NAG 1 01068	511
29	OLD DOMINION UNIV	D R JONES	LARC	D A DRYER	NAG 1 2330	510
29	OLD DOMINION UNIV	J J REHDER	LARC	A K NOOR	NCC 1 01040	513
29	OLD DOMINION UNIV	R C SINGLETERRY JR	LARC	J H HEINBOCKEL	NCC 1 404	513
29	OLD DOMINION UNIV	S D YOUNG	LARC	D A JACOBS	NGT 1 01011	514
29	SAINT THOMAS UNIV	M MATEU	HQ	A VYNNE	NAG 5 12298	167
29	SAN JOSE STATE UNIV	J D SMITH	ARC	K M CORKER	NAG 2 1528	55
29	SOUTHERN UNIV & A&M COLL	G JERMAN	MSFC	J DYER	NCC 8 156	233
29	STILLMAN COLL	E S ORDONEZ	MSFC	H PRADO	NAG 8 1866	5
29	TEMPLE UNIV	B C DRAKE	GSFC	S K BISWAS	NAG 5 8649	447
29	TEXAS A&M UNIV-CORPUS CHRISTI	L M ARMENDARIZ	JSC	M MOORE	NAG 9 1401	479
29	UNIV OF AKRON	J R SCOTT	GRC	D I HAIHARAN	NAG 3 2182	415
29	UNIV OF CALIFORNIA - DAVIS	D KWAK	ARC	M HAFEZ	NCC 2 5426	81
29	UNIV OF CALIFORNIA - LOS ANGELES	J FISCHER	GSFC	C MECHOSO	NCC 5 624	94
29	UNIV OF CALIFORNIA - SAN DIEGO	M H NEW	ARC	V GALLINSKY	NCC 2 5448	103
29	UNIV OF DAYTON	W D MORRIS	LARC	C E EBELING	NAS 1 99148	419
29	UNIV OF HOUSTON - DOWNTOWN	J L HARRINGTON	GSFC	D A ALO	NAG 5 12467	486
29	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	J FISCHER	GSFC	P E SAYLOR	NCC 5 615	211
29	UNIV OF MICHIGAN - ANN ARBOR	J FISCHER	GSFC	T GOMBOSI	NCC 5 614	314
29	UNIV OF NEW HAMPSHIRE - DURHAM	M MAIDEN	GSFC	B MOORE	NCC 5 304	345
29	UNIV OF TENNESSEE SPACE INST-TULLAHOMA	G KLOPFER	ARC	S VENKATESWARAN	NCC 2 5493	466
29	UNIV OF TOLEDO	J D STEGEMAN	GRC	D D JOHNSON	NAG 3 2594	420
29	UNIV OF VIRGINIA	P M GOODE	LARC	B W JOHNSON	NGT 1 01016	521
29	UNIV OF VIRGINIA	P W GOODE	LARC	C R ELKS	NGT 1 52237	521
29	UNIV OF VIRGINIA	B MERRITT	WFF	G WILLIAMS	NAG 5 10956	519
29	UNIV OF WASHINGTON	S LIANG	ARC	H QIAN	NCC 2 5463	534
29	UNIV OF WASHINGTON	M S BURRELL	GSFC	T QUINN	NGT 5 126	535
29	WASHINGTON STATE UNIV	B A BIEGEL	ARC	M A OSMAN	NCC 2 5346	537
29	WEST VIRGINIA UNIV	D S OSBURN	ARC	A C COGLEY	NCC 2 979	538

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31	ALABAMA A&M UNIV	R ARNOLD	MSFC	T L COLEMAN	NCC 8 140	3
31	ALMA COLL	M J MCGILL	GSFC	J H GIBSON	NAG 5 10118	303
31	ALMA COLL	M J MCGILL	GSFC	J H GIBSON	NAG 5 11817	303
31	ARIZONA STATE UNIV	R LAWRENCE	GSFC	P R BUSECK	NAG 5 9838	20
31	BETHEL COLL	M G MLYNCZAK	LARC	B P BEECKEN	NAG 1 02012	317
31	BOSTON UNIV	C S POTTER	ARC	R B MYNENI	NAG 2 1432	275
31	BOSTON UNIV	D TOLL	GSFC	R B MYNENI	NAS 5 96061	278
31	BOSTON UNIV	H OSEROFF	GSFC	W STRAHLER	NAS 5 31369	278
31	BOSTON UNIV	W WISCOMBE	GSFC	Y KNYZAKHIN	NAG 5 12292	278
31	BOSTON UNIV	J ARNOLD	MSFC	G D SALVUCCI	NAG 8 1522	278
31	BRIGHAM YOUNG UNIV	R J LAWRENCE	GSFC	D G LONG	NAG 5 9638	495
31	CALIFORNIA INST OF TECH	D E SMITH	GSFC	D O MUHLEMAN	NAG 5 12384	47
31	CALIFORNIA INST OF TECH	E HILSENRATH	GSFC	Y L YUNG	NAG 5 7230	43
31	CALIFORNIA INST OF TECH	G STRINGFELLOW	GSFC	G A BLAKE	NAG 5 11423	46
31	CALIFORNIA INST OF TECH	J BERGSTRALH	GSFC	D P INGERSOLL	NAG 5 4191	41
31	CALIFORNIA INST OF TECH	J HILLMAN	GSFC	D L YUNG	NAG 5 6263	42
31	CALIFORNIA INST OF TECH	M CHOU	GSFC	Y L YUNG	NAG 5 7680	43
31	CALIFORNIA INST OF TECH	P J DECOLA	GSFC	D OKUMURA	NAG 5 3911	41
31	CALIFORNIA INST OF TECH	R J LAWRENCE	GSFC	P O WENNBERG	NAG 5 11157	46
31	CALIFORNIA INST OF TECH	R LAWRENCE	GSFC	D O WENNBERG	NAG 5 9307	43
31	CALIFORNIA INST OF TECH	G L MADDREA	LARC	Y L YUNG	NAG 1 02081	41
31	CALIFORNIA INST OF TECH	G L MADDREA	LARC	Y L YUNG	NAG 1 2151	40
31	CARNEGIE - MELLON UNIV	P HUNTER	GSFC	A F PTAK	NAG 5 8093	431
31	CHRISTOPHER NEWPORT UNIV	G W SACHSE	LARC	N S POUGATCHEV	NCC 1 02018	502
31	CITY UNIV OF NY CITY COLL	L TRAVIS	GSFC	N A PARKER	NCC 5 343	365
31	CITY UNIV OF NY CITY COLL	L TRAVIS	GSFC	N A PARKER	NCC 5 520	365
31	CITY UNIV OF NY CITY COLL	O W THIELE	GSFC	S GEDZELMAN	NAG 5 7827	365
31	CLEMSON UNIV - CLEMSON	J BOYCE	GSFC	D CLAYTON	NAG 5 8304	457
31	CLEMSON UNIV - CLEMSON	O W THIELE	GSFC	C W ULBRICH	NAG 5 7782	457
31	COLL OF CHARLESTON	P HUNTER	GSFC	J HAKKILA	NAG 5 10625	458
31	COLL OF WILLIAM AND MARY	W CHU	LARC	D BRENNER	NAS 1 00146	502
31	COLORADO STATE UNIV	A J NEGRI	GSFC	M T MONTGOMERY	NAG 5 11140	119
31	COLORADO STATE UNIV	A J NEGRI	GSFC	G L STEPHENS	NCC 5 288	120
31	COLORADO STATE UNIV	D LEWIS	GSFC	G STEPHENS	NAS 5 99237	120
31	COLORADO STATE UNIV	E F STOCKER	GSFC	C KUMMEROW	NAG 5 11816	119
31	COLORADO STATE UNIV	J R HERMAN	GSFC	J SLUSSER	NAG 5 11018	119
31	COLORADO STATE UNIV	M MISHCHENKO	GSFC	S M KREIDENWEIS	NAG 5 7783	118
31	COLORADO STATE UNIV	O W THIELE	GSFC	V N BRINGI	NAG 5 7717	118
31	COLORADO STATE UNIV	O W THIELE	GSFC	G L STEPHENS	NAG 5 7719	118
31	COLORADO STATE UNIV	R ADLER	GSFC	C D KUMMEROW	NAG 5 12273	119
31	COLORADO STATE UNIV	R J LAWRENCE	GSFC	S A RUTLEDGE	NAG 5 9642	118
31	COLORADO STATE UNIV	R J LAWRENCE	GSFC	D A RANDALL	NAG 5 9647	118
31	COLORADO STATE UNIV	R J LAWRENCE	GSFC	V CHANDRASEKAR	NAG 5 9655	118
31	COLORADO STATE UNIV	R J LAWRENCE	GSFC	R H JOHNSON	NAG 5 9665	118
31	COLORADO STATE UNIV	R J LAWRENCE	GSFC	W K BERG	NAG 5 10482	118
31	COLORADO STATE UNIV	R J LAWRENCE	GSFC	W H SCHUBERT	NAG 5 11010	119
31	COLORADO STATE UNIV	R L LAWRENCE	GSFC	C D KUMMEROW	NAG 5 11189	119
31	COLORADO STATE UNIV	R LAWRENCE	GSFC	D J DEMOTT	NAG 5 9308	118
31	COLORADO STATE UNIV	V V SALOMONSON	GSFC	C KUMMEROW	NAG 5 12105	119
31	COLORADO STATE UNIV	B A WIELICKI	LARC	D A	NAS 1 98125	120
31	COLORADO STATE UNIV	D S MCDOUGAL	LARC	W COTTON	NAG 1 2045	117
31	COLORADO STATE UNIV	G G GIBSON	LARC	D A RANDALL	NAG 1 02008	118
31	COLORADO STATE UNIV	G GIBSON	LARC	G L STEPHENS	NAS 1 99103	120
31	COLORADO STATE UNIV	V DELNORE	LARC	G STEPHENS	NAG 1 2247	117
31	COLORADO STATE UNIV	T MILLER	MSFC	S Q KIDDER	NAS 8 97082	120
31	COLUMBIA UNIV	A LACIS	GSFC	L M DRUYAN	NCC 5 546	370
31	COLUMBIA UNIV	B CARLSON	GSFC	C HARRIS	NCC 5 549	370
31	COLUMBIA UNIV	D RIND	GSFC	M CHANDLER	NCC 5 505	370
31	COLUMBIA UNIV	M IMISHCHENKO	GSFC	G KUKLA	NAG 5 7687	367
31	COLUMBIA UNIV	R B STOTHERS	GSFC	C K CHU	NCC 5 485	370
31	COLUMBIA UNIV	R B STOTHERS	GSFC	C K CHU	NCC 5 547	370
31	COLUMBIA UNIV	R STOTHERS	GSFC	L M POLVANI	NCC 5 558	370
31	CONCORDIA COLL IN MOORHEAD	P R MAHAFFY	GSFC	H L MANNING	NAG 5 8626	317
31	CORNELL UNIV	J ARNOLD	MSFC	W BRUTSAERT	NAG 8 1518	375
31	CORNELL UNIV	S NASH-STEVENSON	MSFC	K H COOK	NGT 8 52897	377

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31	DREXEL UNIV	E HILSENRATH	GSFC	D R BROOKS	NAG 5 8929	435
31	DREXEL UNIV	J L ROPER	LARC	A R BANDY	NCC 1 297	435
31	DREXEL UNIV	V E DELUORE	LARC	A R BANDY	NCC 1 409	435
31	DUKE UNIV	R ROOD	GSFC	P KABIBHATLA	NAG 5 3665	389
31	FLORIDA A&M UNIV	R LEE	KSC	F B GROSS	NAG10 264	162
31	FLORIDA STATE UNIV	A J KRUEGER	GSFC	X ZOU	NAG 5 9410	165
31	FLORIDA STATE UNIV	M HALL	GSFC	I NAVON	NAG 5 4873	164
31	FLORIDA STATE UNIV	O W THIELE	GSFC	S E NICHOLSON	NAG 5 7718	165
31	FLORIDA STATE UNIV	P K BHARTA	GSFC	X ZOU	NAG 5 11067	166
31	FLORIDA STATE UNIV	R ADLER	GSFC	G LIU	NAG 5 11889	166
31	FLORIDA STATE UNIV	R J LAWRENCE	GSFC	T N KRISHNAMURTI	NAG 5 9662	165
31	FLORIDA STATE UNIV	R J LAWRENCE	GSFC	H A COOPER	NAG 5 10001	165
31	FLORIDA STATE UNIV	W B ROSSOW	GSFC	G LIU	NAG 5 8647	165
31	FLORIDA STATE UNIV	J L RAPER, SR	LARC	H E FUELBERG	NCC 1 412	166
31	FLORIDA STATE UNIV	J R RAPER	LARC	T N KRISHNAURTI	NAG 1 2127	164
31	FLORIDA STATE UNIV	B LAPENTA	MSFC	X ZOU	NAG 8 1882	166
31	FLORIDA STATE UNIV	J ARNOLD	MSFC	T N KRISHNAMURTI	NAG 8 1537	166
31	FLORIDA STATE UNIV	J ARNOLD	MSFC	J J O'BRIEN	NCC 8 158	167
31	FLORIDA STATE UNIV	J E ARNOLD	MSFC	T N KRISHNAMURTI	NAG 8 1848	166
31	FLORIDA STATE UNIV	R MILLER	SSC	J J O'BRIEN	NAG13 02011	166
31	GEORGE MASON UNIV	G MADDREA	LARC	M SUMMERS	NAG 1 2316	503
31	GEORGE WASHINGTON UNIV	R J LAWRENCE	GSFC	R H LANG	NAG 5 9550	150
31	GEORGIA INST OF TECH	J BERGSTRALH	GSFC	D G STEFFES	NAG 5 4190	181
31	GEORGIA INST OF TECH	J C RIVERA	GSFC	D M CUNNOLD	NAS 5 00171	183
31	GEORGIA INST OF TECH	M I MISHCHENKO	GSFC	M CHIN	NAG 5 7682	181
31	GEORGIA INST OF TECH	M I MISHCHENKO	GSFC	M CHIN	NAG 5 12256	182
31	GEORGIA INST OF TECH	R MCPETERS	GSFC	P GINOUX	NAG 5 11063	182
31	GEORGIA INST OF TECH	S SCHUBERT	GSFC	R X BLACK	NAG 5 10374	182
31	GEORGIA INST OF TECH	W B ROSSOW	GSFC	J A CURRY	NAG 5 12545	182
31	GEORGIA INST OF TECH	Y SUD	GSFC	R DICKINSON	NAG 5 10209	182
31	GEORGIA INST OF TECH	G L MADDREA	LARC	D M CUNNOLD	NAS 1 18938	183
31	GEORGIA INST OF TECH	G L MADDREA	LARC	D M CUNNOLD	NAG 1 2202	179
31	GEORGIA INST OF TECH	J L RAPER	LARC	H W GUAN	NCC 1 375	183
31	GEORGIA INST OF TECH	J L RAPER, SR	LARC	R J WEBER	NCC 1 411	183
31	GEORGIA INST OF TECH	J L RAPER, SR	LARC	S T SANDHOLM	NCC 1 417	184
31	GEORGIA INST OF TECH	J L RAPER, SR	LARC	F L EISELE	NCC 1 421	184
31	GEORGIA INST OF TECH	J L ROPER	LARC	F L EISELE	NCC 1 301	183
31	GEORGIA INST OF TECH	J M HOELL	LARC	D D DAVIS	NCC 1 306	183
31	GEORGIA INST OF TECH	J M HOELL	LARC	S C LIU	NCC 1 317	183
31	GEORGIA INST OF TECH	J M HOELL	LARC	S T SANDHOLM	NCC 1 296	183
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31	UNIV OF CALIFORNIA - LOS ANGELES	S COHN	GSFC	M GHIL	NAG 5 9294	89
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31	UNIV OF RHODE ISLAND	J L RAPER	LARC	B HEIKES	NCC 1 302	455
31	UNIV OF RHODE ISLAND	J L RAPER, SR	LARC	D W O'SULLIVAN	NCC 1 408	456
31	UNIV OF SOUTH FLORIDA	H OSEROFF	GSFC	K R CARDER	NAS 5 31716	176
31	UNIV OF SOUTHERN CALIFORNIA	D J BOGAN	GSFC	C WU	NAG 5 11042	115
31	UNIV OF TENNESSEE - KNOXVILLE	D JAN	JSC	G S SAYLER	NAG 9 1424	465
31	UNIV OF TEXAS - AUSTIN	D L CARTER	GSFC	R J EANES	NAG 5 11203	489
31	UNIV OF TEXAS - AUSTIN	G SMITH	GSFC	R SCHUTZ	NAS 5 99005	491
31	UNIV OF UTAH	S S WEGENER	ARC	G G MACE	NAG 2 1444	496
31	UNIV OF UTAH	J C DODGE	GSFC	E ZIPSER	NAG 5 8339	496
31	UNIV OF UTAH	R J LAWRENCE	GSFC	E J ZIPSER	NAG 5 9717	496
31	UNIV OF UTAH	R J LAWRENCE	GSFC	E J ZIPSER	NAG 5 10682	497
31	UNIV OF UTAH	D S MCDOUGAL	LARC	S K KRUEGER	NAG 1 2048	496
31	UNIV OF UTAH	P MINNIS	LARC	X DONG	NAG 1 2250	496
31	UNIV OF UTAH	V E DELNORE	LARC	K SASSON	NAG 1 2083	496
31	UNIV OF UTAH	J ARNOLD	MSFC	E J ZIPSER	NAG 8 1797	497
31	UNIV OF VIRGINIA	J BERGSTRALH	GSFC	D E JOHNSON	NAG 5 4192	517
31	UNIV OF VIRGINIA	J R WANG	GSFC	J L HESLER	NAG 5 8749	518
31	UNIV OF VIRGINIA	M KING	GSFC	R J SWAP	NAG 5 7939	517
31	UNIV OF VIRGINIA	R J LAWRENCE	GSFC	J D FUENTES	NAG 5 9654	518
31	UNIV OF WASHINGTON	H BLODGET	GSFC	A R GILLESPIE	NAS 5 31372	534
31	UNIV OF WASHINGTON	M D KING	GSFC	P V HOBBS	NAG 5 7819	529
31	UNIV OF WASHINGTON	M D KING	GSFC	P V HOBBS	NAG 5 8801	530
31	UNIV OF WASHINGTON	M D KING	GSFC	P V HOBBS	NAG 5 9022	530
31	UNIV OF WASHINGTON	M D KING	GSFC	P V HOBBS	NAG 5 10745	532
31	UNIV OF WASHINGTON	M D KING	GSFC	P V HOBBS	NAG 5 11665	532
31	UNIV OF WASHINGTON	M D KING	GSFC	P V HOBBS	NCC 5 326	534
31	UNIV OF WASHINGTON	M I MISHCHENKO	GSFC	P V HOBBS	NAG 5 7675	529
31	UNIV OF WASHINGTON	M I MISHCHENKO	GSFC	D A HEGG	NAG 5 8684	530
31	UNIV OF WASHINGTON	M I MISHCHENKO	GSFC	D S COVERT	NAG 5 10404	531
31	UNIV OF WASHINGTON	M MISHCHENKO	GSFC	D S COVERT	NAG 5 8363	530
31	UNIV OF WASHINGTON	M RIENECKER	GSFC	D P LETTENMAIER	NAG 5 12374	533
31	UNIV OF WASHINGTON	O W THIELE	GSFC	J A NYSTUEN	NAG 5 7886	529
31	UNIV OF WASHINGTON	R J LAWRENCE	GSFC	S E YUTER	NAG 5 9720	531
31	UNIV OF WASHINGTON	R J LAWRENCE	GSFC	D LETTENMAIER	NAG 5 9830	531
31	UNIV OF WASHINGTON	R LAWRENCE	GSFC	C BRETHERTON	NAG 5 9657	530
31	UNIV OF WASHINGTON	R W LAWRENCE	GSFC	R A HOUZE	NAG 5 4795	528
31	UNIV OF WASHINGTON	R W LAWRENCE	GSFC	P V HOBBS	NAG 5 8109	529
31	UNIV OF WASHINGTON	W ABDALATI	GSFC	S MARTIN	NAG 5 11057	532
31	UNIV OF WASHINGTON	C A HOSTETLER	LARC	T L COVERT	NCC 1 402	534
31	UNIV OF WASHINGTON	D S MCDOUGAL	LARC	C S BRETHERTON	NAG 1 2072	527
31	UNIV OF WASHINGTON	D S MCDOUGAL	LARC	P V HOBBS	NAG 1 2079	527
31	UNIV OF WASHINGTON	G GIBSON	LARC	R J CHARLSON	NAS 1 99105	534
31	UNIV OF WASHINGTON	D SAMUELSON	MSFC	M B BAKER	NAG 8 1647	533
31	UNIV OF WASHINGTON	J H ADAMS	MSFC	R M WINGLEE	NCC 8 231	535
31	UNIV OF WISCONSIN - MADISON	A J NEGRI	GSFC	M H HITCHMAN	NCC 5 354	546
31	UNIV OF WISCONSIN - MADISON	D STARR	GSFC	D PINCUS	NAG 5 7661	541
31	UNIV OF WISCONSIN - MADISON	D TOLL	GSFC	P MENZEL	NAS 5 31367	545

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31	UNIV OF WISCONSIN - MADISON	G SMITH	GSFC	C BENTLEY	NAS 5 99004	545
31	UNIV OF WISCONSIN - MADISON	J D SPINHIRNE	GSFC	E W ELORANTA	NAG 5 11449	543
31	UNIV OF WISCONSIN - MADISON	K H BERGMAN	GSFC	G WAHBA	NAG 5 3769	540
31	UNIV OF WISCONSIN - MADISON	P K BHARTIA	GSFC	G C REINSEL	NAG 5 9084	542
31	UNIV OF WISCONSIN - MADISON	R ATLAS	GSFC	D R JOHNSON	NAG 5 9295	542
31	UNIV OF WISCONSIN - MADISON	R J LAWRENCE	GSFC	J R MECIKALSKI	NAG 5 9673	542
31	UNIV OF WISCONSIN - MADISON	R J LAWRENCE	GSFC	G W PETTY	NAG 5 9894	542
31	UNIV OF WISCONSIN - MADISON	R J LAWRENCE	GSFC	G W PETTY	NAG 5 9999	542
31	UNIV OF WISCONSIN - MADISON	R J LAWRENCE	GSFC	G J TRIPOLI	NAG 5 12270	544
31	UNIV OF WISCONSIN - MADISON	W WISCOMBE	GSFC	R PINCUS	NAG 5 8639	541
31	UNIV OF WISCONSIN - MADISON	L TRAVIS	HQ	J A FOLEY	NCC 5 365	546
31	UNIV OF WISCONSIN - MADISON	A ROYAL	LARC	F A BEST	NAS 1 00070	545
31	UNIV OF WISCONSIN - MADISON	E V BROWELL	LARC	H E REVERCOMB	NAG 1 02057	539
31	UNIV OF WISCONSIN - MADISON	G GIBSON	LARC	S A ACKERMAN	NAS 1 99106	545
31	UNIV OF WISCONSIN - MADISON	G L MADDREA	LARC	M H HITCHMAN	NAG 1 2162	539
31	UNIV OF WISCONSIN - MADISON	J A GREEN	LARC	S ACKERMAN	NAG 1 2322	539
31	UNIV OF WISCONSIN - MADISON	J H CRAWFORD	LARC	M H HITCHMAN	NCC 1 01011	545
31	UNIV OF WISCONSIN - MADISON	R C HUFFMAN	LARC	N APPLICABLE	NAS 1 96004	545
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31	UNIV OF WISCONSIN - MADISON	V E DELNORE	LARC	S A ACKERMAN	NAG 1 2073	539
31	UNIV OF WISCONSIN - MADISON	V PARSONS	LARC	H REVERCOMB	NAS 1 00072	545
31	UNIV OF WISCONSIN - MADISON	F R ROBERTSON	MSFC	G DIAK	NAG 8 1320	544
31	UNIV OF WYOMING	C P SCOFIELD	ARC	T DESHLER	NAG 2 1576	547
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31	UTAH STATE UNIV	G SCHWEMMER	GSFC	T D WILKERSON	NCC 5 598	500
31	UTAH STATE UNIV	G JOHNSON	LARC	G E BINGHAM	NAS 1 02053	500
31	UTAH STATE UNIV	W A ROETTKER	LARC	G BINGHAM	NAS 1 00071	499
31	UTAH STATE UNIV	D QUATTROCHI	MSFC	R GILES	NAG 8 1750	499
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31	VA POLYTECH INST & ST UNIV	D F YOUNG	LARC	M P HAEFFELIN	NAG 1 2106	521
31	VA POLYTECH INST & ST UNIV	D F YOUNG	LARC	M A HAEFFELIN	NAG 1 01112	522
31	VA POLYTECH INST & ST UNIV	J M SEATON	LARC	J BURTON	NGT 1 52184	525
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31	WASHINGTON STATE UNIV	J C RIVERA	GSFC	G MOUNT	NAS 5 00177	537
31	WASHINGTON UNIV - ST. LOUIS	D BOGAN	GSFC	D FEGLEY	NAG 5 4564	328
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31	WASHINGTON UNIV - ST. LOUIS	D BOGAN	GSFC	B FEGLEY	NAG 5 11037	331
31	WASHINGTON UNIV - ST. LOUIS	D BOGAN	GSFC	B FEGLEY	NAG 5 11050	331
31	WASHINGTON UNIV - ST. LOUIS	J BERGSTRALH	GSFC	D FEGLEY	NAG 5 6366	329
31	WELLESLEY COLL	D BOGAN	GSFC	D STARK	NAG 5 9059	301
31	WEST VIRGINIA UNIV	W L GROSE	LARC	R F TURCO	NAG 1 2096	538
31	YALE UNIV	M R SCHOEBERL	GSFC	S SHERWOOD	NAG 5 9839	147
32	ARIZONA STATE UNIV	S G EDDLEMON	ARC	R GREELEY	NCC 2 1109	22
32	ARIZONA STATE UNIV	D SENSKE	GSFC	P R CHRISTENSEN	NAG 5 11494	21
32	ARIZONA STATE UNIV	H V FREY	GSFC	J FINK	NAG 5 9070	20
32	ARIZONA STATE UNIV	P G ROGERS	GSFC	D R CHRISTENSEN	NAG 5 3628	19
32	ARIZONA STATE UNIV	P G ROGERS	GSFC	D FINK	NAG 5 3783	19
32	ARIZONA STATE UNIV	P ROGERS	GSFC	D GREELEY	NAG 5 3908	19
32	ARIZONA STATE UNIV	GMCKAY	JSC	P NILES	NGT 9 62	23
32	AUSTIN COLL-SHERMAN	H V FREY	GSFC	D R BAKER	NAG 5 10102	468
32	BIRMINGHAM SOUTHERN COLL	M MELLOTT	GSFC	D PONTIUS	NAG 5 11870	4
32	BLOOMSBERG UNIV	DSENSKE	GSFC	M K SHEPARD	NAG 5 11539	430
32	BOSTON UNIV	M MELLOTT	GSFC	D COKER	NAG 5 11790	277
32	BRIGHAM YOUNG UNIV	H V FREY	GSFC	D V ARNOLD	NAG 5 7711	495
32	BROCK UNIV	M BEHRENFELD	GSFC	D BRUCE	NAG 5 9875	550
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32	BROWN UNIV	D SENSKE	GSFC	C M PIETERS	NAG 5 10401	453
32	BROWN UNIV	D SENSKE	GSFC	P H SCHULTZ	NAG 5 11538	453
32	BROWN UNIV	J BOYCE	GSFC	J W HEAD	NAG 5 9780	452
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32	BROWN UNIV	J GRANT	GSFC	J F MUSTARD	NAG 5 8972	452
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32	BROWN UNIV	J JONES	JSC	M MACANTA	NGT 9 63	454
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32	CALIFORNIA INST OF TECH	B BETTS	GSFC	G BLAKE	NAG 5 9471	44
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32	CALIFORNIA INST OF TECH	D SENSKE	GSFC	K A FARLEY	NAG 5 10470	45
32	CALIFORNIA INST OF TECH	H V FREY	GSFC	K E SIEH	NAG 5 10406	45
32	CALVIN COLL	H V FREY	GSFC	J A CLARK	NAG 5 10348	303
32	CENTRAL WASHINGTON UNIV	H V FREY	GSFC	M MILLER	NAG 5 7672	526
32	CLEMSON UNIV - CLEMSON	M MELLOTT	GSFC	D HYSELL	NAG 5 9267	457
32	COLUMBIA UNIV	H V FREY	GSFC	J K WEISSEL	NAG 5 8848	368
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32	CORNELL UNIV	D SENKSE	GSFC	J VERERKA	NAG 5 11514	375
32	CORNELL UNIV	D SENSKE	GSFC	J A BURNS	NAG 5 11480	374
32	CORNELL UNIV	D SENSKE	GSFC	P HELFENSTEIN	NAG 5 11492	374
32	CORNELL UNIV	D SENSKE	GSFC	P D NICHOLSON	NAG 5 11515	375
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32	CORNELL UNIV	J G GRANT	GSFC	S W SQUYRES	NAG 5 4205	372
32	CORNELL UNIV	J GRANT	GSFC	B CAMPBELL	NAG 5 9034	373
32	CORNELL UNIV	J SPANN	GSFC	P M KINTNER	NAG 5 12089	375
32	CORNELL UNIV	M MELLOT	GSFC	D L HYSELL	NAG 5 12164	375
32	CORNELL UNIV	M MELLOTT	GSFC	C E SEYLER	NAG 5 9199	373
32	CORNELL UNIV	P G ROGERS	GSFC	J VEVERKA	NAG 5 3626	372
32	CORNELL UNIV	P G ROGERS	GSFC	P HELFENSTEIN	NAG 5 3639	372
32	CORNELL UNIV	P ROGERS	GSFC	D A BURNS	NAG 5 3910	372
32	CORNELL UNIV	P ROGERS	GSFC	D F BELL	NAG 5 4333	372
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32	DARTMOUTH COLL	H V FREY	GSFC	G BRAKENRIDGE	NAG 5 12325	340
32	DARTMOUTH COLL	J SHARBER	GSFC	R E DENTON	NAG 5 11825	340
32	EAST CAROLINA UNIV	R MILLER	SSC	D CORBETT	NAG13 02034	390
32	FLA INTERNATIONAL UNIV	G BYRNE	JSC	J GEBELEIN	NAG 9 1404	160
32	FLORIDA STATE UNIV	H V FREY	GSFC	J C CAIN	NAG 5 7577	165
32	GEORGE WASHINGTON UNIV	M MELLOTT	GSFC	G M KEATING	NAG 5 11834	151
32	GEORGIA SOUTHERN UNIV	D SENSKE	GSFC	M S KELLEY	NAG 5 11540	186
32	HAMPTON UNIV	M MELLOTT	GSFC	S M BAILEY	NAG 5 9171	507
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32	HARVARD UNIV	M MEYER	GSFC	D H KNOLL	NAG 5 3645	280
32	HOWARD UNIV	J L HARRINGTON	GSFC	D N THORPE	NCC 5 656	154
32	INDIANA UNIV - BLOOMINGTON	H V FREY	GSFC	M W HAMBURGER	NAG 5 7619	213
32	IOWA STATE UNIV	E T ENGMAN	GSFC	W J GUTOWSKI	NAG 5 7561	220
32	JOHNS HOPKINS UNIV	H V FREY	GSFC	R K RANEY	NAG 5 9296	242
32	JOHNS HOPKINS UNIV	J SPAN	GSFC	A LUI	NAG 5 10475	244
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32	JOHNS HOPKINS UNIV	M MELLOTT	GSFC	J CARBARY	NAG 5 9240	242
32	LOUISIANA STATE UNIV - BATON ROUGE	H FREY	GSFC	O HUH	NAG 5 9245	231
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32	MASSACHUSETTS INST OF TECH	H V FREY	GSFC	R L BRAS	NAG 5 10684	290
32	MASSACHUSETTS INST OF TECH	J G GRANT	GSFC	D G FORD	NAG 5 4047	286
32	MICHIGAN TECHNOLOGICAL UNIV	B CAMPBELL	GSFC	D FTACLAS	NAG 5 6310	306
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32	OHIO STATE UNIV	H V FREY	GSFC	C K SHUM	NAG 5 7574	410
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32	OHIO UNIV	H V FREY	GSFC	R R VON FRESE	NAG 5 7645	414
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32	POMONA COLL	J BOYCE	GSFC	E GROSFILS	NAG 5 9618	52
32	PRINCETON UNIV	C D PETERS-LIDARD	GSFC	E WOOD	NAG 5 11884	350
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32	SAN JOSE STATE UNIV	H L D'ANTONI	ARC	P MESSINA	NCC 2 5402	57
32	SAN JOSE STATE UNIV	J GRANT	GSFC	D A MAROUF	NAG 5 4372	55
32	SOUTHERN ILLINOIS UNIV - CARBONDALE	H V FREY	GSFC	D RAVAT	NAG 5 7662	202
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32	SOUTHERN ILLINOIS UNIV - CARBONDALE	P TAYLOR	GSFC	D RAVAT	NAG 5 9832	202
32	SOUTHERN METHODIST UNIV	D A SENSKE	GSFC	V L HANSEN	NAG 5 9142	473
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32	STANFORD UNIV	D J DES MARAIS	ARC	D R LOWE	NCC 2 721	64
32	STANFORD UNIV	H V FREY	GSFC	H ZEBKER	NAG 5 3441	60
32	STANFORD UNIV	H V FREY	GSFC	H A ZEBKER	NAG 5 6148	60
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32	STANFORD UNIV	H V FREY	GSFC	H A ZEBKER	NAG 5 9040	61
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32	STANFORD UNIV	P G ROGERS	GSFC	G TYLER	NAG 5 3906	60
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32	STATE UNIV OF NY COLL	J G GRANT	GSFC	GREGG	NAG 5 4544	386
32	THE AMERICAN UNIV	P TAYLOR	GSFC	J KUTINA	NAG 5 10027	154
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32	UNIV OF ALABAMA - HUNTSVILLE	M MELLOTT	GSFC	P RICHARDS	NAG 5 9200	9
32	UNIV OF ALASKA - FAIRBANKS	H V FREY	GSFC	J T FREYMUELLER	NAG 5 7659	17
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32	UNIV OF ARIZONA	D BOGAN	GSFC	J I LUNINE	NAG 5 8949	28
32	UNIV OF ARIZONA	D SENSKE	GSFC	E TURTLE	NAG 5 10166	31
32	UNIV OF ARIZONA	D SENSKE	GSFC	R GREENBERG	NAG 5 10167	31
32	UNIV OF ARIZONA	D SENSKE	GSFC	J I LUNINE	NAG 5 10294	31
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32	UNIV OF ARIZONA	D SENSKE	GSFC	R MALHOTRA	NAG 5 10346	31
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32	UNIV OF ARIZONA	H V FREY	GSFC	V R BAKER	NAG 5 9293	29
32	UNIV OF ARIZONA	J GRANT	GSFC	L KESZTHELYI	NAG 5 9176	29
32	UNIV OF ARIZONA	M S BURRELL	GSFC	A S MCEWEN	NGT 5 114	38
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32	UNIV OF ARIZONA	P ROGERS	GSFC	D H BROWN	NAG 5 3796	25
32	UNIV OF ARIZONA	P ROGERS	GSFC	H MELOSH	NAG 5 6543	26
32	UNIV OF ARIZONA	T MORGAN	GSFC	S LARSON	NAG 5 10543	32
32	UNIV OF CALIFORNIA - BERKELEY	C MCKAY	ARC	R G AMUNDSON	NGT 2 52290	77
32	UNIV OF CALIFORNIA - BERKELEY	H V FREY	GSFC	R BURGMANN	NAG 5 7580	70
32	UNIV OF CALIFORNIA - BERKELEY	H V FREY	GSFC	W E DIETRICH	NAG 5 9629	71
32	UNIV OF CALIFORNIA - BERKELEY	P TAYLOR	GSFC	M RICHARDS	NAG 5 9864	71
32	UNIV OF CALIFORNIA - DAVIS	R MCKELLIP	SSC	K W TATE	NAG13 99023	80

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32	UNIV OF CALIFORNIA - LOS ANGELES	H V FREY	GSFC	D E ALSDORF	NAG 5 10685	91
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32	UNIV OF CALIFORNIA - LOS ANGELES	J SHARBER	GSFC	P L PRITCHETT	NAG 5 11823	92
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32	UNIV OF CALIFORNIA - LOS ANGELES	J SPANN	GSFC	D SCHRIVER	NAG 5 10473	90
32	UNIV OF CALIFORNIA - LOS ANGELES	M MELLOTT	GSFC	R M THORNE	NAG 5 11826	92
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32	UNIV OF CALIFORNIA - LOS ANGELES	M MELLOTT	GSFC	M ASHOUR-ABDALLA	NAG 5 11923	92
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32	UNIV OF TEXAS - EL PASO	D MENCHAN	GSFC	D SCHULZ-MAKUCH	NAG 5 9542	493
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33	UNIV OF CALIFORNIA - SANTA BARBARA	C R MCCLAIN	GSFC	D A SIEGEL	NAS 5 00201	108
33	UNIV OF CALIFORNIA - SANTA BARBARA	H OSEROFF	GSFC	Z WAN	NAS 5 31370	108
33	UNIV OF CALIFORNIA - SANTA CRUZ	W ABDALATI	GSFC	S TULACZYK	NAG 5 12574	112
33	UNIV OF DELAWARE	S K RUNCO	JSC	V KLEMAS	NAG 9 989	149
33	UNIV OF KANSAS	W ABDALATI	GSFC	P KANAGARATNAM	NAG 5 12588	226
33	UNIV OF MAINE - ORONO	J MARRA	GSFC	A THOMAS	NAG 5 10620	235
33	UNIV OF MARYLAND - COLL PARK	C R MCCLAIN	GSFC	A SUBRAMANIUM	NAS 5 00192	266
33	UNIV OF MARYLAND - COLL PARK	E LINDSTROM	GSFC	R WAJSOWICZ	NAG 5 3960	255
33	UNIV OF MARYLAND - COLL PARK	E LINDSTROM	GSFC	R MURTUGUDDE	NAG 5 10981	262
33	UNIV OF MARYLAND - COLL PARK	M RIENECKER	GSFC	R WAJSOWICZ	NAG 5 11291	263
33	UNIV OF MARYLAND - COLL PARK	S HAKKINEN	GSFC	R MURTUGUDDE	NAG 5 12376	265
33	UNIV OF MARYLAND - COLL PARK	G FLETCHERT	SSC	A SUBRAMANIAM	NAG13 02009	266
33	UNIV OF MARYLAND BALTIMORE COUNTY	C R MCCLAIN	GSFC	M WANG	NAS 5 00203	274
33	UNIV OF MIAMI	E LINDSTROM	GSFC	H GRABER	NAG 5 11864	174
33	UNIV OF MIAMI	H OSEROFF	GSFC	O B BROWN	NAS 5 31361	175
33	UNIV OF MIAMI	J DODGE	GSFC	R EVANS	NAG 5 10588	174
33	UNIV OF PUERTO RICO - MAYAGUEZ	C W WRIGHT	WFF	E WEIL	NAG 5 5302	548
33	UNIV OF PUGET SOUND	W ABDALATI	GSFC	A THORNDIKE	NAG 5 11836	527
33	UNIV OF RHODE ISLAND	J MARRA	GSFC	J YODER	NAG 5 10555	455
33	UNIV OF RHODE ISLAND	M MAIDEN	GSFC	P CORNILLON	NCC 5 307	456
33	UNIV OF SOUTH FLORIDA	G S HAYNE	GSFC	G T MITCHUM	NAG 5 5202	175
33	UNIV OF SOUTH FLORIDA	J MARRA	GSFC	C CHU	NAG 5 10738	175
33	UNIV OF SOUTH FLORIDA	J YODER	GSFC	P COBLE	NAG 5 6301	175
33	UNIV OF SOUTHERN MISSISSIPPI	J MARRA	GSFC	S E LOHRENZ	NAG 5 9770	324
33	UNIV OF WASHINGTON	A ANDERSON	GSFC	D L HARTMANN	NAG 5 10624	531
33	UNIV OF WASHINGTON	J A CURRAN	GSFC	D HARTMANN	NAG 5 6101	528
33	UNIV OF WASHINGTON	J MARRA	GSFC	S RISER	NAG 5 11079	532
33	UTAH STATE UNIV	M FLYNN	ARC	L POWERS	NCC 2 5514	500
33	WEST VIRGINIA UNIV	B R LONG	WFF	Y XU	NAG 5 5364	538
33	WOODS HOLE OCEANOGRAPHIC INST	C R MCCLAIN	GSFC	J R MORRISON	NAS 5 00198	302
33	WOODS HOLE OCEANOGRAPHIC INST	C TREES	GSFC	S C DONEY	NAG 5 12488	302
33	WOODS HOLE OCEANOGRAPHIC INST	J COMISO	GSFC	J YANG	NAG 5 7348	301
33	WOODS HOLE OCEANOGRAPHIC INST	J MARRA	GSFC	D M GLOVER	NAG 5 9858	302
33	WOODS HOLE OCEANOGRAPHIC INST	M RIENECKER	GSFC	L YU	NCC 5 441	302
39	ALABAMA A&M UNIV	R HOOVER	MSFC	M G TADROS	NAG 8 1624	2
39	ALABAMA A&M UNIV	S NASH-STEVENSON	MSFC	W MCALLISTER	NGT 8 52918	3
39	ARIZONA STATE UNIV	D ANDERSON	GSFC	P BUSECK	NAG 5 11552	21
39	ARIZONA STATE UNIV	H BLODGET	GSFC	P CHRISTENSEN	NAS 5 31371	22
39	ARIZONA STATE UNIV	M WEI	GSFC	J R ARROWSMITH	NGT 5 30221	23
39	AUBURN UNIV	D DEERING	GSFC	K MCNABB	NCC 5 333	4
39	AUBURN UNIV	J R ARNOLD	MSFC	U HATCH	NCC 8 151	4
39	BOISE STATE UNIV	E ENGMAN	GSFC	P DAWSON	NAG 5 7537	197
39	BOSTON UNIV	D E WICKLAND	GSFC	X LI	NAG 5 7217	276
39	BOSTON UNIV	D E WICKLAND	GSFC	M FRIEDL	NAG 5 7218	276
39	BOSTON UNIV	D L WILLIAMS	GSFC	C WOODCOCK	NAG 5 3439	275
39	BOSTON UNIV	D WICKLAND	GSFC	C SCHAAF	NAG 5 11263	277
39	BOSTON UNIV	DODGE	GSFC	R MYNENI	NAG 5 9547	276
39	BOSTON UNIV	E T ENGMAN	GSFC	M A FRIEDL	NAG 5 8584	276
39	BOSTON UNIV	G C GUTMAN	GSFC	D K KAUFMANN	NAG 5 6214	275
39	BOSTON UNIV	G GUTMAN	GSFC	G SALVUCCI	NAG 5 11338	277
39	BOSTON UNIV	M WEI	GSFC	R MYNENI	NGT 5 30223	278
39	BOSTON UNIV	P R HOUSER	GSFC	G D SALVUCCI	NAG 5 11695	277
39	BOWIE STATE UNIV	E MIDDLETON	GSFC	W T LAWRENCE	NCC 5 507	237
39	BOWIE STATE UNIV	M L IMHOFF	GSFC	W LAWRENCE	NAG 5 6476	236
39	BOWIE STATE UNIV	M L IMHOFF	GSFC	W LAWRENCE	NAG 5 7669	236
39	BOWIE STATE UNIV	M L IMHOFF	GSFC	W LAWRENCE	NAG 5 10034	236
39	BOWIE STATE UNIV	M L IMHOFF	GSFC	W LAWRENCE	NAG 5 11450	237

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39	BOWLING GREEN STATE UNIV	T M SCOTT	GRC	D K VINCENT	NAG 3 2443	399
39	BRANDEIS UNIV	C W LLOYD	JSC	J R LACKNER	NAG 9 1263	279
39	BRIGHAM YOUNG UNIV	E LINDSTROM	GSFC	D LONG	NAG 5 8746	495
39	BRIGHAM YOUNG UNIV	J DODGE	GSFC	D LONG	NAG 5 9625	495
39	BROWN UNIV	G GUTMAN	GSFC	J F MUSTARD	NAG 5 11145	453
39	BROWN UNIV	S G UNGAR	GSFC	J F MUSTARD	NCC 5 487	454
39	BUCKNELL UNIV	E T ENGMAN	GSFC	R D CRAGO	NAG 5 8679	430
39	BUCKNELL UNIV	E T ENGMAN	GSFC	R D CRAGO	NAG 5 8699	430
39	BUCKNELL UNIV	M F JASINSKI	GSFC	R D CRAGO	NAG 5 10129	430
39	CALIFORNIA INST OF TECH	D ANDERSON	GSFC	R FLAGAN	NAG 5 11549	46
39	CALIFORNIA INST OF TECH	D WICKLAND	GSFC	J RANDERSON	NAG 5 9462	43
39	CALIFORNIA INST OF TECH	D WICKLAND	GSFC	P WENNBERG	NAG 5 12247	47
39	CALIFORNIA INST OF TECH	M KURYLO	GSFC	M OKAMURA	NAG 5 11657	46
39	CALIFORNIA INST OF TECH	M WEI	GSFC	M SIMONS	NAG 5 12564	47
39	CALIFORNIA INST OF TECH	M Y WEI	GSFC	B C MURRAY	NGT 5 30138	48
39	CALIFORNIA INST OF TECH	P DECOLA	GSFC	P WENNBERG	NAG 5 8922	43
39	CALIFORNIA INST OF TECH	P DECOLA	GSFC	P WENNBEG	NAG 5 11739	47
39	CALIFORNIA INST OF TECH	P HOUSER	GSFC	Y L YUNG	NAG 5 9487	44
39	CALIFORNIA POLYTECH STATE U-SAN LUIS	M WEI	GSFC	M A MOLINE	NAG 5 8674	49
39	CALIFORNIA STATE UNIV - LONG BEACH	A J TUYAHOV	GSFC	C T LEE	NAG 5 9310	50
39	CALIFORNIA STATE UNIV - LONG BEACH	B MEESON	GSFC	E AMBOS	NCC 5 329	50
39	CALIFORNIA STATE UNIV - MONTERY BAY	J C COUGHLAN	ARC	S E ALEXANDER	NCC 2 1186	51
39	CALIFORNIA STATE UNIV - MONTERY BAY	A JANETOS	GSFC	L PIERCE	NAG 5 6529	51
39	CALIFORNIA STATE UNIV - MONTERY BAY	R MCKELLIP	SSC	L F JOHNSON	NAG13 99020	51
39	CARNEGIE - MELLON UNIV	CFARMER	JSC	D HERSHBERGER	NAG 9 1242	433
39	CASE WESTERN RESERVE UNIV	W HVANCIC	GRC	J ISHAC	NAG 3 2391	400
39	CITY UNIV OF NY CITY COLL	M KURYLO	GSFC	P M SOLOMON	NAG 5 11690	365
39	CLARK UNIV	S S WEGENER	ARC	S HERWITZ	NCC 2 1270	279
39	CLARK UNIV	M WEI	GSFC	B L TURNER	NGT 5 97	279
39	CLARK UNIV	M WEI	GSFC	B L TURNER	NGT 5 30197	279
39	CLARK UNIV	M WEI	GSFC	B L TURNER	NGT 5 30217	279
39	CLARK UNIV	M Y WEI	GSFC	J GEOGHEGAN	NAG 5 8559	279
39	CLARK UNIV	M Y WEI	GSFC	B L TURNER	NGT 5 30147	279
39	CLARK UNIV	M Y WEI	GSFC	B L TUNNER	NGT 5 30153	279
39	COLORADO STATE UNIV	D ANDERSON	GSFC	G L STEPHENS	NAG 5 11475	119
39	COLORADO STATE UNIV	D ANDERSON	GSFC	P J DEMOTT	NAG 5 11476	119
39	COLORADO STATE UNIV	D ANDERSON	GSFC	W R COTTON	NAG 5 11507	119
39	COLORADO STATE UNIV	D W DEERING	GSFC	A DENNING	NCC 5 284	120
39	COLORADO STATE UNIV	G C GUTMAN	GSFC	D OJIMA	NAG 5 4646	118
39	COLORADO STATE UNIV	G GUTMAN	GSFC	D OJIMA	NAG 5 11073	119
39	COLORADO STATE UNIV	J C DODGE	GSFC	P L STEPHENS	NAG 5 6637	118
39	COLORADO STATE UNIV	J RANSON	GSFC	D OJIMA	NAG 5 6228	118
39	COLORADO STATE UNIV	M WEI	GSFC	R CONANT	NAG 5 10593	118
39	COLORADO STATE UNIV	M WEI	GSFC	S A RUTLEDGE	NGT 5 30218	120
39	COLORADO STATE UNIV	M WEI	GSFC	V CHANDRAEKAR	NGT 5 30421	120
39	COLORADO STATE UNIV	P DECOLA	GSFC	A DENNING	NCC 5 621	120
39	COLORADO STATE UNIV	P R HOUSER	GSFC	R A PIELKE	NAG 5 11370	119
39	COLORADO STATE UNIV	P R HOUSER	GSFC	G LISTON	NAG 5 11710	119
39	COLORADO STATE UNIV	P R HOUSER	GSFC	D RANDALL	NAG 5 11737	119
39	COLORADO STATE UNIV	C DEL CASTILLO	SSC	I BURKE	NAG13 02005	120
39	COLUMBIA UNIV	D ANDERSON	GSFC	B CAIRNS	NAG 5 11530	369
39	COLUMBIA UNIV	D L PIERCE	GSFC	B CAIRNS	NAG 5 5275	367
39	COLUMBIA UNIV	D RIND	GSFC	M A CANE	NAG 5 7044	367
39	COLUMBIA UNIV	J MARRA	GSFC	T TAKAHASHI	NAG 5 6877	367
39	COLUMBIA UNIV	J MARRA	GSFC	O ANDERSON	NAG 5 11215	369
39	COLUMBIA UNIV	J MARRA	GSFC	T TAKAHASHI	NAG 5 11357	369
39	COLUMBIA UNIV	M WEI	GSFC	D L WITTER	NAG 5 8675	368
39	COLUMBIA UNIV	M WEI	GSFC	A SOBEL	NAG 5 10607	369
39	COLUMBIA UNIV	M WEI	GSFC	W MENKE	NGT 5 30374	370
39	COLUMBIA UNIV	M WEI	GSFC	D MARTINSON	NGT 5 30391	370
39	COLUMBIA UNIV	M WEI	GSFC	M CANE	NGT 5 50323	371
39	COLUMBIA UNIV	M Y WEI	GSFC	T TAKAHASHI	NGT 5 30167	370
39	COLUMBIA UNIV	P R HOUSER	GSFC	M STIEGLITZ	NAG 5 9759	368
39	COLUMBIA UNIV	P R HOUSER	GSFC	S MENON	NAG 5 11697	369
39	COLUMBIA UNIV	Q BARKER	GSFC	R S CHEN	NAS 5 98162	370
39	COLUMBIA UNIV	R KOSTER	GSFC	M STIEGLITZ	NCC 5 218	370

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39	COLUMBIA UNIV	R KOSTER	GSFC	M STIEGLITZ	NCC 5 510	370
39	COLUMBIA UNIV	S GOGINENI	GSFC	D G MARTINSON	NAG 5 6876	367
39	COLUMBIA UNIV	S GOGINENI	GSFC	S S JACOBS	NAG 5 7461	367
39	COLUMBIA UNIV	S GOGINENI	GSFC	D MARTINSON	NAG 5 7922	368
39	COLUMBIA UNIV	W ABDALATI	GSFC	X YUAN	NAG 5 12586	369
39	CORNELL UNIV	D DEERING	GSFC	E FERNANDES	NCC 5 298	376
39	CORNELL UNIV	J BOYCE	GSFC	R J SULLIVAN	NAG 5 9794	374
39	CORNELL UNIV	J CAMPBELL	GSFC	B MONGER	NAG 5 8188	373
39	CORNELL UNIV	J JODER	GSFC	G CHARLES	NAG 5 6273	372
39	CORNELL UNIV	J MARRA	GSFC	B MONGER	NAG 5 10848	374
39	CORNELL UNIV	M WEI	GSFC	L O HEDIN	NGT 5 30210	377
39	DARTMOUTH COLL	P HOUSER	GSFC	R BRAKENRIDGE	NAG 5 9470	340
39	DREXEL UNIV	R MILLER	SSC	M PIASECKI	NAG13 00040	435
39	DUKE UNIV	B W MEESON	GSFC	R B JACKSON	NAG 5 12497	389
39	DUKE UNIV	E T ENGMAN	GSFC	S ROJSTACZER	NAG 5 8533	389
39	DUKE UNIV	J MARRA	GSFC	R T BARBER	NAG 5 9348	389
39	DUKE UNIV	M S BURRELL	GSFC	B SCHESINGER	NGT 5 69	390
39	DUKE UNIV	M WEI	GSFC	J REYNOLDS	NGT 5 30355	390
39	DUKE UNIV	P DECOLA	GSFC	P KASIBHATLA	NAG 5 9605	389
39	DUKE UNIV	P HOUSER	GSFC	R AVISSAR	NAG 5 11401	389
39	DUKE UNIV	P R HOUSER	GSFC	R AVISSAR	NAG 5 11400	389
39	DUKE UNIV	P R HOUSER	GSFC	J ALBERTSON	NAG 5 11680	389
39	DUKE UNIV	Y SUD	GSFC	R AVISSAR	NAG 5 11402	389
39	DUKE UNIV	A NURRIDDIN	HQ	R T BARBER	NGT 5 50224	390
39	ELIZABETH CITY STATE UNIV	B MEESON	GSFC	L HAYDEN	NAG 5 9371	391
39	ELIZABETH CITY STATE UNIV	B MEESON	GSFC	L B HAYDEN	NAG 5 9372	391
39	FLA INTERNATIONAL UNIV	J W CAMPBELL	GSFC	L L RICHARDSON	NAG 5 8156	160
39	FLORIDA STATE UNIV	D E WICKLAND	GSFC	E A SMITH	NAG 5 7302	165
39	FLORIDA STATE UNIV	D E WICKLAND	GSFC	E A SMITH	NAG 5 9866	165
39	FLORIDA STATE UNIV	D W DEERING	GSFC	E A SMITH	NCC 5 292	166
39	FLORIDA STATE UNIV	D WICKLAND	GSFC	E SMITH	NAG 5 6258	164
39	FLORIDA STATE UNIV	E LINDSTROM	GSFC	W DEWAR	NAG 5 7630	165
39	FLORIDA STATE UNIV	E LINDSTROM	GSFC	J J O'BRIEN	NAG 5 8327	165
39	FLORIDA STATE UNIV	E LINDSTROM	GSFC	J O'BRIEN	NAG 5 12487	166
39	FLORIDA STATE UNIV	E T ENGMAN	GSFC	S E NICHOLSON	NAG 5 8598	165
39	FLORIDA STATE UNIV	J C DODGE	GSFC	H J COOPER	NAG 5 6665	164
39	FLORIDA STATE UNIV	J C DODGE	GSFC	P G ELLINGSON	NAG 5 12097	166
39	FLORIDA STATE UNIV	M WEI	GSFC	S E NICHOLSON	NGT 5 30186	167
39	FLORIDA STATE UNIV	M Y WEI	GSFC	J J OBRIEN	NGT 5 30158	167
39	FLORIDA STATE UNIV	M Y WEI	GSFC	D NOF	NGT 5 30164	167
39	GEORGE MASON UNIV	A T CHANG	GSFC	L CHIU	NAG 5 10879	504
39	GEORGE MASON UNIV	A T CHANG	GSFC	L CHIU	NAG 5 11346	504
39	GEORGE MASON UNIV	J A WEINMAN	GSFC	L CHIU	NAG 5 9636	504
39	GEORGE MASON UNIV	W GRAHAM	SSC	M KAFATOS	NAG13 01009	504
39	GEORGIA INST OF TECH	A J TUYAHOV	GSFC	W L CHAMEIDES	NAG 5 9868	182
39	GEORGIA INST OF TECH	E T ENGMAN	GSFC	C D PETERS-LIDARD	NAG 5 8698	181
39	GEORGIA INST OF TECH	M KURYLO	GSFC	P H WINE	NAG 5 8931	181
39	GEORGIA INST OF TECH	M WEI	GSFC	W L CHAMEIDES	NGT 5 50330	186
39	GEORGIA INST OF TECH	M Y WEI	GSFC	R E DICKINSON	NAG 5 8880	181
39	GEORGIA INST OF TECH	P DECOLA	GSFC	M CHIN	NAG 5 11479	182
39	GEORGIA INST OF TECH	P R HOUSER	GSFC	R FU	NAG 5 11671	182
39	GEORGIA INST OF TECH	R TRAVIS	SSC	K MAXWELL	NGT13 52742	186
39	HAMPTON UNIV	D ANDERSON	GSFC	D WANG	NAG 5 11477	507
39	HARVARD UNIV	D ANDERSON	GSFC	J ANDERSON	NAG 5 11547	282
39	HARVARD UNIV	D ANDERSON	GSFC	J ANDERSON	NAG 5 11548	282
39	HARVARD UNIV	D ANDERSON	GSFC	S C WOFSY	NAG 5 11638	282
39	HARVARD UNIV	D E WICKLAND	GSFC	S C WORSY	NAG 5 7534	281
39	HARVARD UNIV	D W DEERING	GSFC	S C WOFSY	NCC 5 341	283
39	HARVARD UNIV	D W DEERING	GSFC	S C WOFSY	NCC 5 590	283
39	HARVARD UNIV	M WEI	GSFC	S C WOFSY	NGT 5 30205	283
39	HARVARD UNIV	M WEI	GSFC	J ANDERSON	NGT 5 30336	283
39	HARVARD UNIV	M Y WEI	GSFC	S C WOFSY	NGT 5 30152	283
39	HARVARD UNIV	P DECOLA	GSFC	D J JACOB	NAG 5 9643	281
39	HARVARD UNIV	P DECOLA	GSFC	M MCELROY	NAG 5 11431	282
39	HARVARD UNIV	R CURRAN	GSFC	J ANDERSON	NAG 5 8779	281
39	HERITAGE COLL	D TRAVIS	SSC	D FALCO	NAG13 02057	526

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39	IDAHO STATE UNIV	W TURNER	GSFC	K T WEBER	NAG 5 10982	197
39	IDAHO STATE UNIV	W TURNER	GSFC	K T WEBER	NAG 5 12301	197
39	INDIANA UNIV - BLOOMINGTON	D DEERING	GSFC	E MORAN	NCC 5 334	213
39	IOWA STATE UNIV	M WEI	GSFC	T CHEN	NGT 5 30419	222
39	IOWA STATE UNIV	E K GIBSON	JSC	P A BAZLINSKI	NAG 9 1115	221
39	JAMES MADISON UNIV	N KHAZENIE	GSFC	J BARNES	NAG 5 6166	508
39	JOHNS HOPKINS UNIV	K H BERGMAN	GSFC	M B PARLANGE	NAG 5 9426	242
39	JOHNS HOPKINS UNIV	M WEI	GSFC	D WAUGH	NGT 5 50328	251
39	JOHNS HOPKINS UNIV	P E HUNTER	GSFC	A SZALAY	NAG 5 8590	241
39	JOHNS HOPKINS UNIV	W ABDALATI	GSFC	R RANEY	NAG 5 11829	247
39	KANSAS STATE UNIV	G GUTMAN	GSFC	L JOHNSON	NAG 5 11337	225
39	KENT STATE UNIV	T SCOTT	GRC	D MUNRO-STASIUK	NAG 3 2416	408
39	KENT STATE UNIV	M WEI	GSFC	D L WITTER	NAG 5 11266	408
39	LOUISIANA STATE UNIV - BATON ROUGE	C MCKAY	ARC	F A RAINEY	NCC 2 5469	231
39	LOUISIANA STATE UNIV - BATON ROUGE	R TRAVIS	SSC	B S GOODWIN	NGT13 52743	232
39	MASSACHUSETTS INST OF TECH	E LINDSTROM	GSFC	P RIZZOLI	NAG 5 7194	287
39	MASSACHUSETTS INST OF TECH	E LINDSTROM	GSFC	C WUNSCH	NAG 5 7857	288
39	MASSACHUSETTS INST OF TECH	E LINDSTROM	GSFC	P RIZZOLI	NAG 5 10793	291
39	MASSACHUSETTS INST OF TECH	E LINDSTROM	GSFC	C WUNSCH	NAG 5 11933	292
39	MASSACHUSETTS INST OF TECH	E T ENGMAN	GSFC	E B ELTAHIR	NAG 5 8617	288
39	MASSACHUSETTS INST OF TECH	E T ENGMAN	GSFC	D MCLAUGHLIN	NCC 5 416	295
39	MASSACHUSETTS INST OF TECH	J MARRA	GSFC	J MARSHALL	NCC 5 244	295
39	MASSACHUSETTS INST OF TECH	M WEI	GSFC	E ELTAHIR	NAG 5 7525	287
39	MASSACHUSETTS INST OF TECH	M WEI	GSFC	K X WHIPPLE	NGT 5 30188	295
39	MASSACHUSETTS INST OF TECH	M WEI	GSFC	J MARSHALL	NGT 5 30189	295
39	MASSACHUSETTS INST OF TECH	M WEI	GSFC	D ENTEKHABI	NGT 5 30190	295
39	MASSACHUSETTS INST OF TECH	M WEI	GSFC	R L BRAS	NGT 5 30212	295
39	MASSACHUSETTS INST OF TECH	M WEI	GSFC	B TROUT	NGT 5 30334	295
39	MASSACHUSETTS INST OF TECH	M WEI	GSFC	C WUNSCH	NGT 5 30337	295
39	MASSACHUSETTS INST OF TECH	M WEI	GSFC	R BRAS	NGT 5 30339	296
39	MASSACHUSETTS INST OF TECH	P DECOLA	GSFC	M MOLINA	NAG 5 8887	288
39	MASSACHUSETTS INST OF TECH	P L DECOLA	GSFC	R G PRINN	NAG 5 12099	292
39	MASSACHUSETTS INST OF TECH	P R HOUSER	GSFC	D ENTEKHABI	NAG 5 11602	291
39	MASSACHUSETTS INST OF TECH	P R HOUSER	GSFC	D B MCLAUGHLIN	NAG 5 11721	291
39	MIAMI UNIV	T M SCOTT	GRC	J MILLARD	NAG 3 2436	409
39	MICHIGAN STATE UNIV	A C JANETOS	GSFC	J LIU	NAG 5 8317	304
39	MICHIGAN STATE UNIV	A JANETOS	GSFC	D SKOLE	NAG 5 6538	304
39	MICHIGAN STATE UNIV	D DEERING	GSFC	D SKOLE	NCC 5 291	305
39	MICHIGAN STATE UNIV	D WILLIAMS	GSFC	D SKOLE	NAG 5 4810	304
39	MICHIGAN STATE UNIV	G GUTMAN	GSFC	R WALKER	NAG 5 9232	304
39	MICHIGAN STATE UNIV	G GUTMAN	GSFC	D L SKOLE	NAG 5 11740	304
39	MICHIGAN STATE UNIV	M WEI	GSFC	J MESSINA	NAG 5 12617	304
39	MICHIGAN STATE UNIV	M WEI	GSFC	D J CAMPBELL	NGT 5 30340	305
39	MICHIGAN STATE UNIV	M Y WEI	GSFC	J LIU	NGT 5 30166	305
39	MICHIGAN STATE UNIV	G GUTMAN	HQ	J QI	NAG 5 9286	304
39	MICHIGAN STATE UNIV	A JOYCE	SSC	P SORRANO	NGT13 52715	305
39	MICHIGAN TECHNOLOGICAL UNIV	S GOGINENI	GSFC	D PILANT	NAG 5 7051	306
39	MISSISSIPPI STATE UNIV	R MCKELLIP	SSC	S ROBERTS	NAG13 99018	323
39	MONTANA STATE UNIV	G GUTMAN	GSFC	A HANSEN	NAG 5 9300	332
39	MONTANA STATE UNIV	G GUTMAN	GSFC	A HANSEN	NAG 5 9806	332
39	MONTANA STATE UNIV	G GUTMAN	GSFC	A HANSEN	NAG 5 11158	333
39	MONTANA TECH OF THE U OF MONT	N KHAZENIE	GSFC	T MOON	NAG 5 9139	334
39	MT HOLYOKE COLL	M Y WEI	GSFC	J L BUBIER	NAG 5 8635	296
39	NEW MEXICO HIGHLANDS UNIV	K KRISHEN	JSC	J CAIBACA	NAG 9 1374	357
39	NEW MEXICO HIGHLANDS UNIV	L M ARMEDARIZ	JSC	J C'DE BACA	NAG 9 1139	357
39	NEW MEXICO HIGHLANDS UNIV	L M ARMENDARIZ	JSC	J C DE BACA	NAG 9 1393	357
39	NEW MEXICO INST OF MINING & TECH	D WICKLAND	GSFC	E E SMALL	NAG 5 9328	357
39	NEW MEXICO INST OF MINING & TECH	F K GIBSON	JSC	T L KIEFT	NAG 9 1106	358
39	NEW MEXICO STATE UNIV - LAS CRUCES	C E WADE	ARC	E E SERRANO	NAG 2 1334	358
39	NEW MEXICO STATE UNIV - LAS CRUCES	A RODRIGUEZ	GSFC	B BLEVINS	NAS 5 02087	359
39	NY UNIV	M REINECKER	GSFC	R KLEEMAN	NAG 5 9871	378
39	NORFOLK STATE UNIV	N KHAZENIE	GSFC	W J RODRIGUEZ	NAG 5 6298	509
39	NORFOLK STATE UNIV	N KHAZENIE	GSFC	W J RODRIQUEZ	NAG 5 9374	509
39	NORTH CAROLINA STATE UNIV. - RALEIGH	G GUTMAN	GSFC	S WALSH	NAG 5 11830	395
39	NORTH CAROLINA STATE UNIV. - RALEIGH	J MARRA	GSFC	J MORRISON	NAG 5 8865	395
39	NORTH CAROLINA STATE UNIV. - RALEIGH	M WEI	GSFC	J M MORRISON	NGT 5 30192	396

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39	NORTH DAKOTA STATE UNIV	A PEEK	SSC	J NOWATZKI	NAG13 02007	398
39	OHIO STATE UNIV	T M SCOTT	GRC	J K KLEIN	NAG 3 2410	409
39	OHIO STATE UNIV	T M SCOTT	GRC	D L MORRISON	NAG 3 2412	409
39	OHIO STATE UNIV	T M SCOTT	GRC	S DAVIS	NAG 3 2428	409
39	OHIO STATE UNIV	D L WILLIAMS	GSFC	C MERRY	NAG 5 7685	410
39	OHIO STATE UNIV	E LIDSTROM	GSFC	K N BERLINER	NAG 5 8455	411
39	OHIO STATE UNIV	E LINDSTROM	GSFC	K C JEZEK	NAG 5 8608	411
39	OHIO STATE UNIV	E LINDSTROM	GSFC	C DER VEEN	NAG 5 8632	411
39	OHIO STATE UNIV	K PARTINGTON	GSFC	C K SHUM	NAG 5 9335	411
39	OHIO STATE UNIV	P HOUSER	GSFC	D BROMWICH	NAG 5 9596	411
39	OHIO STATE UNIV	P R HOUSER	GSFC	C J VAN DER VEEN	NAG 5 11749	412
39	OHIO STATE UNIV	R KAKAR	GSFC	D BROMWICH	NAG 5 9518	411
39	OHIO STATE UNIV	S GOGINENI	GSFC	E S MOSLEY-THOMPSON	NAG 5 6817	410
39	OHIO STATE UNIV	S GOGINENI	GSFC	K C JEZEK	NAG 5 7286	410
39	OHIO STATE UNIV	S GOGINENI	GSFC	D H BROMWICH	NAG 5 7750	410
39	OHIO STATE UNIV	S GOGINENI	GSFC	R R FORSTER	NAG 5 7848	410
39	OHIO STATE UNIV	W ABDALATI	GSFC	K JEZEK	NAG 5 9538	411
39	OHIO STATE UNIV	W ABDALATI	GSFC	D BROMWICH	NAG 5 11794	412
39	OHIO STATE UNIV	W ABDALATI	GSFC	D BROMWICH	NAG 5 12407	412
39	OHIO STATE UNIV	S GOGINENI	HQ	D BROMWICH	NAG 5 6001	410
39	OKLAHOMA STATE UNIV	D E WICKLAND	GSFC	S J STADLER	NAG 5 7451	423
39	OKLAHOMA STATE UNIV	R MCKELLIP	SSC	G JOHSON	NCC13 02002	424
39	OLD DOMINION UNIV	N KHAZENIE	GSFC	E SMITH	NAG 5 4515	512
39	OREGON STATE UNIV	C TREES	GSFC	W PEGAU	NAG 5 12404	428
39	OREGON STATE UNIV	D ANDERSON	GSFC	C H TWOHY	NAG 5 11534	428
39	OREGON STATE UNIV	D E WICKLAND	GSFC	R H WARING	NAG 5 7506	426
39	OREGON STATE UNIV	D E WICKLAND	GSFC	M H UNSWORTH	NAG 5 7531	426
39	OREGON STATE UNIV	D E WICKLAND	GSFC	B LAW	NAG 5 7551	426
39	OREGON STATE UNIV	D E WICKLAND	GSFC	W B COHEN	NAG 5 7856	427
39	OREGON STATE UNIV	E T ENGMAN	GSFC	L MAHRT	NAG 5 8601	427
39	OREGON STATE UNIV	G C GUTMAN	GSFC	D E HARMON	NAG 5 6242	426
39	OREGON STATE UNIV	G GUTMAN	GSFC	O N KRANKINA	NAG 5 9677	427
39	OREGON STATE UNIV	G GUTMAN	GSFC	O KRANKINA	NAG 5 11250	428
39	OREGON STATE UNIV	J DODGE	GSFC	M R ABBOTT	NAG 5 8969	427
39	OREGON STATE UNIV	J MARRA	GSFC	M R ABBOTT	NAG 5 11125	428
39	OREGON STATE UNIV	M WEI	GSFC	R P DICK	NGT 5 96	429
39	OREGON STATE UNIV	M WEI	GSFC	B MATE	NGT 5 30185	429
39	OREGON STATE UNIV	M WEI	GSFC	W B COHEN	NGT 5 30214	429
39	OREGON STATE UNIV	P R HOUSER	GSFC	L MAHRT	NAG 5 11586	428
39	OREGON STATE UNIV	D WICKLAND	HQ	B E LAW	NAG 5 8315	427
39	PENN STATE UNIV. - UNIV. PARK	D ANDERSON	GSFC	J VERLINDE	NAG 5 11472	442
39	PENN STATE UNIV. - UNIV. PARK	D L WILLIAMS	GSFC	W L MYERS	NAG 5 10541	442
39	PENN STATE UNIV. - UNIV. PARK	E ENGMAN	GSFC	K DAVIS	NAG 5 10050	442
39	PENN STATE UNIV. - UNIV. PARK	E T ENGMAN	GSFC	D MILLER	NAG 5 8738	440
39	PENN STATE UNIV. - UNIV. PARK	J A MARRA	GSFC	R NAJJAR	NAG 5 6389	440
39	PENN STATE UNIV. - UNIV. PARK	J CAMPBELL	GSFC	R NAJJAR	NAG 5 6451	440
39	PENN STATE UNIV. - UNIV. PARK	M WEI	GSFC	E J BARRON	NAG 5 4553	439
39	PENN STATE UNIV. - UNIV. PARK	M WEI	GSFC	S BRANTLEY	NGT 5 30193	446
39	PENN STATE UNIV. - UNIV. PARK	M WEI	GSFC	J VERLINDE	NGT 5 30208	446
39	PENN STATE UNIV. - UNIV. PARK	M WEI	GSFC	D PEUQUET	NGT 5 30224	446
39	PENN STATE UNIV. - UNIV. PARK	M WEI	GSFC	G JENKINS	NGT 5 30420	446
39	PENN STATE UNIV. - UNIV. PARK	M Y WEI	GSFC	A P BARROS	NAG 5 6656	440
39	PENN STATE UNIV. - UNIV. PARK	M Y WEI	GSFC	R B ALLEY	NGT 5 30171	446
39	PENN STATE UNIV. - UNIV. PARK	N MAYNARD	GSFC	D A MILLER	NAG 5 12242	443
39	PENN STATE UNIV. - UNIV. PARK	P R HOUSER	GSFC	D R STAUFFER	NAG 5 8735	440
39	PENN STATE UNIV. - UNIV. PARK	S GOGINENI	GSFC	R ALLEY	NAG 5 7776	440
39	PRINCETON UNIV	C TREES	GSFC	J SARMIENTO	NAG 5 12398	350
39	PRINCETON UNIV	D E WICKLAND	GSFC	E F WOOD	NAG 5 7297	348
39	PRINCETON UNIV	G ASRAR	GSFC	J L SARMIENTO	NAG 5 6591	348
39	PRINCETON UNIV	J DODGE	GSFC	E WOOD	NAG 5 9414	349
39	PRINCETON UNIV	J DODGE	GSFC	E WOOD	NAG 5 9635	349
39	PRINCETON UNIV	M WEI	GSFC	L RUSSELL	NAG 5 8676	349
39	PRINCETON UNIV	M WEI	GSFC	D MAUZERALL	NAG 5 12542	350
39	PRINCETON UNIV	M WEI	GSFC	G PHILANDER	NGT 5 30333	351
39	PRINCETON UNIV	M WEI	GSFC	A DOBSON	NGT 5 30341	351

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39	PRINCETON UNIV	M WEI	GSFC	E F WOOD	NGT 5 50333	351
39	PRINCETON UNIV	M Y WEI	GSFC	G PHILANDER	NGT 5 30134	351
39	PRINCETON UNIV	M Y WEI	GSFC	H LEVY	NGT 5 30137	351
39	PRINCETON UNIV	P DECOLA	GSFC	D L MAUZERALL	NAG 5 9810	349
39	PRINCETON UNIV	P HOUSER	GSFC	E WOOD	NAG 5 9486	349
39	PRINCETON UNIV	P R HOUSER	GSFC	E F WOOD	NAG 5 11610	350
39	PURDUE UNIV	E LINDSTROM	GSFC	J GARRISON	NAG 5 11747	216
39	PURDUE UNIV	M WEI	GSFC	J GARRISON	NAG 5 12551	216
39	PURDUE UNIV	M Y WEI	GSFC	P B SHEPSON	NGT 5 30163	218
39	PURDUE UNIV	R MCKELLIP	SSC	C J JOHANNSEN	NAG13 00001	217
39	ROCHESTER INST OF TECH	B L MARKHAM	GSFC	J SCHOTT	NAG 5 11298	381
39	ROCHESTER INST OF TECH	T D GUBBELS	GSFC	A VODECEK	NAG 5 10051	381
39	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	E LINSTROM	GSFC	D HAIDVOGEL	NAG 5 9847	353
39	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	E T ENGMAN	GSFC	R AVISSAR	NAG 5 8213	353
39	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	J MARRA	GSFC	Y GAO	NAG 5 9340	353
39	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	J MARRA	GSFC	M J BEHRENFELD	NAG 5 9787	353
39	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	J MARRA	GSFC	P G FALKONSKI	NAG 5 11345	354
39	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	K BERGMAN	GSFC	A ROBECK	NAG 5 9792	353
39	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	P R HOUSER	GSFC	R AVISSAR	NAG 5 9746	353
39	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	P R HOUSER	GSFC	D A ROBINSON	NAG 5 11403	354
39	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	P R HOUSER	GSFC	J R MILLER	NAG 5 11720	354
39	RUTGERS STATE UNIV OF NJ COOK CAMPUS	K BERGMAN	GSFC	R AVISSAR	NAG 5 9359	355
39	RUTGERS STATE UNIV OF NJ NEW BRUNS	J MARRA	GSFC	P G FALKOWSKI	NAG 5 11356	355
39	RUTGERS STATE UNIV OF NJ NEW BRUNS	P R HOUSER	GSFC	J A FRANCIS	NAG 5 11585	355
39	SALISH KOOTENAI COLL	B MEESON	GSFC	J M GOBERT	NAG 5 9368	334
39	SALISH KOOTENAI COLL	N K HAZENIE	GSFC	T S OLSON	NAG 5 9102	334
39	SAN DIEGO STATE UNIV	C TREES	GSFC	J MUELLER	NAG 5 12401	53
39	SAN DIEGO STATE UNIV	G GUTMAN	GSFC	J FRANKLIN	NAG 5 9301	53
39	SAN DIEGO STATE UNIV	G GUTMAN	GSFC	A HOPE	NAG 5 11141	53
39	SAN DIEGO STATE UNIV	M WEI	GSFC	A S HOPE	NGT 5 30335	54
39	SAN DIEGO STATE UNIV	M Y WEI	GSFC	R MELLORS	NAG 5 8560	53
39	SAN DIEGO STATE UNIV	R MCKELLIP	JSC	D STOW	NAG13 99017	53
39	SAN FRANCISCO STATE UNIV	J W CAMPBELL	GSFC	D H ROBINSON	NAG 5 8013	54
39	SAN FRANCISCO STATE UNIV	J W MARRA	GSFC	D H ROBINSON	NAG 5 7511	54
39	SAN JOSE STATE UNIV	H L D'ANTONIO	ARC	E F METZGER	NCC 2 5476	58
39	SAN JOSE STATE UNIV	V VANDERBILT	ARC	P A HAMILL	NCC 2 1132	56
39	SOUTH DAKOTA SCH OF MINES & TECH	K BLANDING	GSFC	P R ZIMMERMAN	NGT 5 30402	461
39	SOUTH DAKOTA SCH OF MINES & TECH	N KHAZENIE	GSFC	L A VIERLING	NAG 5 8973	461
39	SOUTH DAKOTA SCH OF MINES & TECH	R MCKELLIP	JSC	M PRICE	NAG13 99021	461
39	SOUTH DAKOTA STATE UNIV	B L MARKHAM	GSFC	D HELDER	NAG 5 11351	461
39	SOUTH DAKOTA STATE UNIV	DL WILLIAMS	GSFC	D HELDER	NAG 5 3540	461
39	SOUTH DAKOTA STATE UNIV	S UNGAR	GSFC	D HELDER	NCC 5 472	461
39	SOUTHEASTERN UNIV	D MENCHAN	GSFC	G GRANTHAM	NAG 5 12500	154
39	SOUTHERN ILLINOIS UNIV - CARBONDALE	M WEI	GSFC	N PINTER	NGT 5 50321	202
39	ST UN NY COL-ENV SCI & FORESTRY	N SOVIK	SSC	P HOPKINS	NCC13 98001	381
39	STANFORD UNIV	J MARRA	GSFC	K ARRIGO	NAG 5 8866	61
39	STANFORD UNIV	M L IMHOFF	GSFC	M L IMHOFF	NAG 5 8563	61
39	STANFORD UNIV	M L IMHOFF	GSFC	P EHRLICH	NAG 5 9760	61
39	STANFORD UNIV	M WEI	GSFC	M Z JACOBSON	NAG 5 8645	61
39	STANFORD UNIV	M WEI	GSFC	P MATSON	NGT 5 30204	66
39	STANFORD UNIV	M WEI	GSFC	P M VITOUSEK	NGT 5 30216	66
39	STANFORD UNIV	M WEI	GSFC	H ZEBKER	NGT 5 30342	66
39	STANFORD UNIV	M WEI	GSFC	G W ERNST	NGT 5 30360	66
39	STANFORD UNIV	M Y WEI	GSFC	K SETO	NAG 5 10534	62
39	STANFORD UNIV	R H THOMAS	GSFC	D ZEBKER	NAG 5 3732	60
39	STANFORD UNIV	W ABDALATI	GSFC	H ZEBKER	NAG 5 9853	62
39	STANFORD UNIV	A KELLEY	MSFC	F CHANG	NCC 8 197	66
39	STATE U NY COLL OF ENVIR SCI & FORESTRY	N SOVIK	SSC	P HOPKINS	NAG13 01003	381
39	STATE UNIV OF NY - ALBANY	A J TUYAHOV	GSFC	P F HOPKINS	NAG 5 9676	382
39	STATE UNIV OF NY - ALBANY	D W DEERING	GSFC	D R FRITZJARRALD	NCC 5 283	382
39	STATE UNIV OF NY - BUFFALO	G GUTMAN	GSFC	M SULTAN	NAG 5 12409	383
39	STATE UNIV OF NY - BUFFALO	M BECKER	GSFC	M BECKER	NAG 5 10608	383
39	STATE UNIV OF NY - STONY BROOK	D WICKLAND	GSFC	M LERDAU	NAG 5 6601	384
39	STATE UNIV OF NY - STONY BROOK	M WEI	GSFC	D WALISER	NGT 5 50322	386
39	STATE UNIV OF NY - STONY BROOK	P DECOLA	GSFC	M A GELLER	NAG 5 9786	385

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39	TEXAS A&M UNIV	D K HALL	GSFC	A KLEIN	NAG 5 10877	475
39	TEXAS A&M UNIV	D K HALL	GSFC	A KLEIN	NAG 5 11847	476
39	TEXAS A&M UNIV	G GUTMAN	GSFC	R LACEY	NAG 5 11144	475
39	TEXAS A&M UNIV	J CAMPBELL	GSFC	W D NOWLIN	NAG 5 6446	475
39	TEXAS A&M UNIV	K BERGMAN	GSFC	P CHANG	NAG 5 9409	475
39	TEXAS A&M UNIV	M WEI	GSFC	T BOUTTON	NGT 5 30211	479
39	TEXAS A&M UNIV	M WEI	GSFC	C MUNSTER	NGT 5 30408	479
39	TEXAS A&M UNIV	M Y WEI	GSFC	R ZHANG	NAG 5 8706	475
39	TEXAS A&M UNIV	P R HOUSER	GSFC	B P MOHANTY	NAG 5 11375	476
39	TEXAS A&M UNIV	P R HOUSER	GSFC	A CAHILL	NAG 5 11681	476
39	TEXAS A&M UNIV	P R HOUSER	GSFC	B P MOHANTY	NAG 5 11702	476
39	TEXAS A&M UNIV	S GOGINENI	GSFC	A STOESEL	NAG 5 7751	475
39	THE SCRIPPS RES INST (TSRI) -LA JOLLA	F E HOGE	GSFC	M VERNET	NAG 5 5191	67
39	THE SCRIPPS RES INST (TSRI) -LA JOLLA	J DODGE	GSFC	J J SIMPSON	NAG 5 9604	67
39	THE UNIV OF CENTRAL FLORIDA	J W QUINN	KSC	D R REINHART	NAG10 301	168
39	THE UNIV OF CENTRAL FLORIDA	J W QUINN	KSC	C GEIGER	NAG10 312	168
39	THE UNIV OF CENTRAL FLORIDA	J W QUINN	KSC	D L GEIGER	NAG10 313	168
39	THE UNIV OF CENTRAL FLORIDA	M COLLINS	KSC	D C COOPER	NCC10 35	169
39	TULANE UNIV	R TRAVIS	JSC	B MCKEE	NGT13 52722	234
39	TUSKEGEE UNIV	C TERRELL	MSFC	N O EGREFOR	NCC 8 234	6
39	U OF ARKANSAS MAIN CAMP-FAYETTEVILLE	J BOYCE	GSFC	P BENOIT	NAG 5 9496	40
39	U OF MD CTR FOR ENVIR SCI - CAMBRIDGE	A C JANETOS	GSFC	P R FISHER	NAG 5 6249	253
39	U OF MD CTR FOR ENVIR SCI - CAMBRIDGE	G GUTMAN	GSFC	T FISHER	NAG 5 11083	253
39	U OF MD CTR FOR ENVIR SCI - CAMBRIDGE	J HARDING	GSFC	L HARDING	NAG 5 6286	253
39	U OF MD CTR FOR ENVIR SCI - CAMBRIDGE	J MARRA	GSFC	R G HOOD	NAG 5 6387	253
39	U OF MD CTR FOR ENVIR SCI - CAMBRIDGE	J W CAMPBELL	GSFC	L W HARDING	NAG 5 7602	253
39	U OF MD CTR FOR ENVIR SCI - CAMBRIDGE	S G UNGAR	GSFC	P A TOWNSEND	NCC 5 493	253
39	UNIV HOUSTON-HOUSTON	E K GIBSON	JSC	H S CHAFETZ	NAG 9 1103	481
39	UNIV OF AKRON	T M SCOTT	GRC	D SIEBERT	NAG 3 2444	415
39	UNIV OF ALABAMA - BIRMINGHAM	E PAYLOR	GSFC	L DELUCAS	NAG 5 8786	7
39	UNIV OF ALABAMA - BIRMINGHAM	E PAYLOR	GSFC	L DELUCAS	NAG 5 11267	7
39	UNIV OF ALABAMA - HUNTSVILLE	D L PIERCE	GSFC	J DIMMOCK	NAG 5 5273	8
39	UNIV OF ALABAMA - HUNTSVILLE	M WEI	GSFC	D CECIL	NAG 5 12563	11
39	UNIV OF ALABAMA - HUNTSVILLE	P R HOUSER	GSFC	R M WELCH	NAG 5 11941	11
39	UNIV OF ALABAMA - HUNTSVILLE	R J OLIVERSEN	GSFC	W PACIESAS	NAG 5 9045	9
39	UNIV OF ALABAMA - HUNTSVILLE	T BRAKE	GSFC	R WELCH	NAS 5 31718	13
39	UNIV OF ALABAMA - HUNTSVILLE	R GREENWOOD	MSFC	R MCNIDER	NCC 8 141	13
39	UNIV OF ALASKA - FAIRBANKS	C S POTTER	ARC	A MCGUIRE	NAG 2 1534	16
39	UNIV OF ALASKA - FAIRBANKS	A JANETOS	GSFC	D MCGUIRE	NAG 5 6275	16
39	UNIV OF ALASKA - FAIRBANKS	C TREES	GSFC	L MCNUTT	NAG 5 12411	18
39	UNIV OF ALASKA - FAIRBANKS	D E WICKLAND	GSFC	A D MCGUIRE	NAG 5 9859	17
39	UNIV OF ALASKA - FAIRBANKS	D WICKLAND	GSFC	C L WILLIAMS	NAG 5 7507	16
39	UNIV OF ALASKA - FAIRBANKS	E LINDSTROM	GSFC	S R OKKONEN	NAG 5 7603	17
39	UNIV OF ALASKA - FAIRBANKS	E T ENGMAN	GSFC	S LI	NAG 5 8614	17
39	UNIV OF ALASKA - FAIRBANKS	G GUTMAN	GSFC	C WILLIAMS	NAG 5 9315	17
39	UNIV OF ALASKA - FAIRBANKS	G GUTMAN	GSFC	D MCGUIRE	NAG 5 11142	17
39	UNIV OF ALASKA - FAIRBANKS	M WEI	GSFC	S F CHAPIN	NGT 5 50324	18
39	UNIV OF ALASKA - FAIRBANKS	P J ONDRUS	GSFC	N AVAILBLE	NAS 5 98129	18
39	UNIV OF ALASKA - FAIRBANKS	P R HOUSER	GSFC	L D HINZMAN	NAG 5 11822	18
39	UNIV OF ALASKA - FAIRBANKS	S K HALL	GSFC	C S BENSON	NCC 5 379	18
39	UNIV OF ARIZONA	A TUYAHOV	GSFC	D YOUNG	NAG 5 8157	27
39	UNIV OF ARIZONA	A TUYAHOV	GSFC	S E MARSH	NAG 5 8341	28
39	UNIV OF ARIZONA	A TUYAHOV	GSFC	C F HUTCHINSON	NAG 5 9174	29
39	UNIV OF ARIZONA	A TUYAHOV	GSFC	S E MARSH	NAG 5 11957	34
39	UNIV OF ARIZONA	B L MARKHAM	GSFC	K THOME	NAG 5 11339	33
39	UNIV OF ARIZONA	D E WICKLAND	GSFC	K E SCHAUDT	NAG 5 7249	26
39	UNIV OF ARIZONA	D L WILLIAMS	GSFC	C J THOME	NAG 5 3436	25
39	UNIV OF ARIZONA	D W DEERING	GSFC	A R HUETE	NAG 5 11316	33
39	UNIV OF ARIZONA	D W DEERING	GSFC	A R HUETE	NCC 5 603	38
39	UNIV OF ARIZONA	E T ENGMAN	GSFC	J W SHUTTLEWORTH	NAG 5 8214	28
39	UNIV OF ARIZONA	E WOOD	GSFC	S SOROOSHIAN	NAG 5 8503	28
39	UNIV OF ARIZONA	E Y WOOD	GSFC	S SOROOSHAIN	NAG 5 3640	25
39	UNIV OF ARIZONA	J KAYE	GSFC	S SOROOSHIAN	NAG 5 12152	35
39	UNIV OF ARIZONA	J PRIVETTE	GSFC	A HAUTE	NAG 5 8660	28

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39	UNIV OF ARIZONA	M Y WEI	GSFC	C HUTCHINSON	NGT 5 30140	38
39	UNIV OF ARIZONA	M Y WEI	GSFC	C E GLASS	NGT 5 30148	38
39	UNIV OF ARIZONA	P R HOUSER	GSFC	W SHUTTLEWORTH	NAG 5 9796	30
39	UNIV OF ARIZONA	R SCHIEFFER	GSFC	S ROROOSHIAN	NAG 5 8502	28
39	UNIV OF ARIZONA	S G UNGAR	GSFC	S F BIGGAR	NCC 5 460	38
39	UNIV OF ARIZONA	S G UNGER	GSFC	A R HUETE	NCC 5 478	38
39	UNIV OF ARIZONA	S GOGINENI	GSFC	R BALES	NAG 5 6779	26
39	UNIV OF ARIZONA	C DEL CASTILLO	SSC	E P GLENN	NAG13 02001	36
39	UNIV OF ARIZONA	R HARRIS	SSC	C F HUTCHINSON	NAG13 02004	36
39	UNIV OF CALIFORNIA - BERKELEY	_ WEI	GSFC	K BOERING	NGT 5 30424	78
39	UNIV OF CALIFORNIA - BERKELEY	D E WICKLAND	GSFC	D BALDOCCHI	NAG 5 8510	70
39	UNIV OF CALIFORNIA - BERKELEY	D E WICKLAND	GSFC	W SILVER	NCC 5 352	77
39	UNIV OF CALIFORNIA - BERKELEY	D WICKLAND	GSFC	I FUNG	NAG 5 9514	71
39	UNIV OF CALIFORNIA - BERKELEY	D WICKLAND	GSFC	D BALDOCCHI	NAG 5 11651	73
39	UNIV OF CALIFORNIA - BERKELEY	G GUTMAN	GSFC	P GONG	NAG 5 9231	71
39	UNIV OF CALIFORNIA - BERKELEY	M KURYLO	GSFC	A GOLDSTEIN	NAG 5 11910	74
39	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	N KELLY	NAG 5 12541	75
39	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	T L BENNING	NGT 5 30183	77
39	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	R C COHEN	NGT 5 30219	77
39	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	I CHAPELA	NGT 5 30351	77
39	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	D M KAMMEN	NGT 5 30361	78
39	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	W SILVER	NGT 5 50331	79
39	UNIV OF CALIFORNIA - BERKELEY	M Y WEI	GSFC	W L SILVER	NGT 5 30141	77
39	UNIV OF CALIFORNIA - BERKELEY	M Y WEI	GSFC	F S CHAPIN	NGT 5 50216	78
39	UNIV OF CALIFORNIA - BERKELEY	N KHAZENIE	GSFC	A GOULD	NAG 5 9317	71
39	UNIV OF CALIFORNIA - BERKELEY	P T HOUSER	GSFC	X LIANG	NAG 5 8737	70
39	UNIV OF CALIFORNIA - BERKELEY	S G UNGAR	GSFC	P GONG	NCC 5 492	77
39	UNIV OF CALIFORNIA - BERKELEY	W ABDALATI	GSFC	X LIANG	NAG 5 10673	72
39	UNIV OF CALIFORNIA - BERKELEY	A NURRIDDIN	HQ	O E GRANGER	NGT 5 50223	78
39	UNIV OF CALIFORNIA - DAVIS	D E WICKLAND	GSFC	S USTIN	NAG 5 9360	80
39	UNIV OF CALIFORNIA - DAVIS	M WEI	GSFC	C ANASTASIO	NGT 5 30187	82
39	UNIV OF CALIFORNIA - DAVIS	M WEI	GSFC	S USTIN	NGT 5 30352	82
39	UNIV OF CALIFORNIA - DAVIS	D L JAN	HQ	S D COLLINS	NAG 9 1048	80
39	UNIV OF CALIFORNIA - IRVINE	D DEERING	GSFC	S TRUMBORE	NCC 5 336	85
39	UNIV OF CALIFORNIA - IRVINE	D W DEERING	GSFC	M L GOULDEN	NCC 5 280	85
39	UNIV OF CALIFORNIA - IRVINE	D WICKLAND	GSFC	S TRUMBORE	NAG 5 7301	83
39	UNIV OF CALIFORNIA - IRVINE	M KURYLO	GSFC	D R BLAKE	NAG 5 8935	84
39	UNIV OF CALIFORNIA - IRVINE	M RIENECKER	GSFC	J S FAMIGLIETTI	NAG 5 11646	84
39	UNIV OF CALIFORNIA - IRVINE	M W WEI	GSFC	R J CICERONE	NGT 5 50325	85
39	UNIV OF CALIFORNIA - IRVINE	M WEI	GSFC	ZENDER	NAG 5 10546	84
39	UNIV OF CALIFORNIA - IRVINE	M WEI	GSFC	G MAGNUSDOTTIR	NGT 5 30203	85
39	UNIV OF CALIFORNIA - IRVINE	P DECOLA	GSFC	S TYLER	NAG 5 11429	84
39	UNIV OF CALIFORNIA - IRVINE	P R HOUSER	GSFC	J S FAMIGLIETTI	NAG 5 11718	84
39	UNIV OF CALIFORNIA - IRVINE	P R HOUSER	GSFC	J S FAMIGLIETTI	NAG 5 11753	84
39	UNIV OF CALIFORNIA - IRVINE	A NURRIDDIN	HQ	R J RICE	NGT 5 50226	85
39	UNIV OF CALIFORNIA - LOS ANGELES	E LINDSTROM	GSFC	J MCWILLIAMS	NAG 5 9860	90
39	UNIV OF CALIFORNIA - LOS ANGELES	K BERGMAN	GSFC	D J NEELIN	NAG 5 9358	89
39	UNIV OF CALIFORNIA - LOS ANGELES	M JACKSON	GSFC	J KIM	NAG 5 11363	91
39	UNIV OF CALIFORNIA - LOS ANGELES	M WEI	GSFC	A ELDERING	NAG 5 8812	89
39	UNIV OF CALIFORNIA - LOS ANGELES	M WEI	GSFC	L SMITH	NGT 5 30338	94
39	UNIV OF CALIFORNIA - LOS ANGELES	M WEI	GSFC	R TURCO	NGT 5 50332	94
39	UNIV OF CALIFORNIA - LOS ANGELES	P R HOUSER	GSFC	Y XUE	NAG 5 9713	90
39	UNIV OF CALIFORNIA - LOS ANGELES	E STANSBERY	JSC	K D MCKEEGAN	NAS 9 02036	93
39	UNIV OF CALIFORNIA - RIVERSIDE	E T ENGMAN	GSFC	B P MOHANTY	NAG 5 8682	95
39	UNIV OF CALIFORNIA - SAN DIEGO	C TREES	GSFC	D STRAMSKI	NAG 5 12397	102
39	UNIV OF CALIFORNIA - SAN DIEGO	D ANDERSON	GSFC	F P VALERO	NAG 5 11637	101
39	UNIV OF CALIFORNIA - SAN DIEGO	D E WICKLAND	GSFC	C KEELING	NAG 5 11217	100
39	UNIV OF CALIFORNIA - SAN DIEGO	D E WICKLANS	GSFC	R F KEELING	NAG 5 7637	97
39	UNIV OF CALIFORNIA - SAN DIEGO	E LINDSTORM	GSFC	D MILLER	NAG 5 6497	97
39	UNIV OF CALIFORNIA - SAN DIEGO	E LINDSTROM	GSFC	P NILER	NAG 5 8322	98
39	UNIV OF CALIFORNIA - SAN DIEGO	E LINDSTROM	GSFC	D STAMMER	NAG 5 8623	98
39	UNIV OF CALIFORNIA - SAN DIEGO	E LINDSTROM	GSFC	D STAMMER	NAG 5 8901	98
39	UNIV OF CALIFORNIA - SAN DIEGO	E LINSTROM	GSFC	A MILLER	NAG 5 9788	99
39	UNIV OF CALIFORNIA - SAN DIEGO	E PAYLOR	GSFC	J ROADS	NAG 5 8780	98
39	UNIV OF CALIFORNIA - SAN DIEGO	J A YODER	GSFC	R FROUIN	NAG 5 6202	96

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39	UNIV OF CALIFORNIA - SAN DIEGO	J DODGE	GSFC	J J SIMPSON	NAG 5 9721	99
39	UNIV OF CALIFORNIA - SAN DIEGO	J W CAMPBELL	GSFC	D STRAMSKI	NAG 5 7100	97
39	UNIV OF CALIFORNIA - SAN DIEGO	J YODER	GSFC	B MITCHELL	NAG 5 6559	97
39	UNIV OF CALIFORNIA - SAN DIEGO	M WEI	GSFC	K BARBEAU	NAG 5 12535	102
39	UNIV OF CALIFORNIA - SAN DIEGO	P DECOLA	GSFC	R F WEISS	NAG 5 8180	98
39	UNIV OF CALIFORNIA - SAN DIEGO	P R HOUSER	GSFC	J ROADS	NAG 5 11599	101
39	UNIV OF CALIFORNIA - SAN DIEGO	P R HOUSER	GSFC	A VOGELMANN	NAG 5 11716	101
39	UNIV OF CALIFORNIA - SAN DIEGO	P R HOUSER	GSFC	J NORRIS	NAG 5 11731	101
39	UNIV OF CALIFORNIA - SAN DIEGO	P R HOUSER	GSFC	J ROADS	NAG 5 11738	101
39	UNIV OF CALIFORNIA - SANTA BARBARA	G A SHELTON	ARC	D A ROBERTS	NAG 2 1140	105
39	UNIV OF CALIFORNIA - SANTA BARBARA	A J TUYAHOV	GSFC	D C CLARKE	NAG 5 3620	105
39	UNIV OF CALIFORNIA - SANTA BARBARA	A TUYAHOV	GSFC	J E ESTES	NAG 5 10457	107
39	UNIV OF CALIFORNIA - SANTA BARBARA	C TREES	GSFC	N NELSON	NAG 5 12400	108
39	UNIV OF CALIFORNIA - SANTA BARBARA	D DEERING	GSFC	J MELACK	NCC 5 281	109
39	UNIV OF CALIFORNIA - SANTA BARBARA	D W DEERING	GSFC	O A CHADWICK	NCC 5 282	109
39	UNIV OF CALIFORNIA - SANTA BARBARA	D W DEERING	GSFC	D A ROBERTS	NCC 5 589	109
39	UNIV OF CALIFORNIA - SANTA BARBARA	E KRIENS	GSFC	C GAUTIER	NAS 5 31374	109
39	UNIV OF CALIFORNIA - SANTA BARBARA	E LINDSTROM	GSFC	J C DOZIER	NAG 5 9844	107
39	UNIV OF CALIFORNIA - SANTA BARBARA	E T ENGMAN	GSFC	T DUNNE	NAG 5 8396	106
39	UNIV OF CALIFORNIA - SANTA BARBARA	E T ENGMAN	GSFC	J SHI	NAG 5 8616	106
39	UNIV OF CALIFORNIA - SANTA BARBARA	J A MARRA	GSFC	R C SMITH	NAG 5 6434	106
39	UNIV OF CALIFORNIA - SANTA BARBARA	J MARRA	GSFC	D A SIEGEL	NAG 5 9818	107
39	UNIV OF CALIFORNIA - SANTA BARBARA	J W CAMPBELL	GSFC	D A SIEGEL	NAG 5 8319	106
39	UNIV OF CALIFORNIA - SANTA BARBARA	J YODER	GSFC	D SIEGEL	NAG 5 6288	106
39	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	MERTES	NGT 5 30173	109
39	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	D A SIEGEL	NGT 5 30194	109
39	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	K C CLARKE	NGT 5 30201	110
39	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	T DUNNE	NGT 5 30225	110
39	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	T DUNNE	NGT 5 30332	110
39	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	O CHADWICK	NGT 5 30357	110
39	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	D A ROBERTS	NGT 5 50327	110
39	UNIV OF CALIFORNIA - SANTA BARBARA	M Y WEI	GSFC	N M MAHOWALD	NAG 5 8680	106
39	UNIV OF CALIFORNIA - SANTA BARBARA	N KHAZENIE	GSFC	C GAUTIER	NAG 5 4963	105
39	UNIV OF CALIFORNIA - SANTA BARBARA	P DECOLA	GSFC	N M MAHOWALD	NAG 5 9671	107
39	UNIV OF CALIFORNIA - SANTA BARBARA	P R HOUSER	GSFC	J SHI	NAG 5 11709	108
39	UNIV OF CALIFORNIA - SANTA BARBARA	S G UNGAR	GSFC	D A ROBERTS	NCC 5 496	109
39	UNIV OF CALIFORNIA - SANTA BARBARA	S GOGINENI	GSFC	J C DOZIER	NAG 5 4814	105
39	UNIV OF CALIFORNIA - SANTA BARBARA	T JANETOS	GSFC	T DUNNE	NAG 5 6120	106
39	UNIV OF CALIFORNIA - SANTA BARBARA	W ABDALATI	GSFC	J SHI	NAG 5 10671	107
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39	UNIV OF CALIFORNIA - SANTA CRUZ	J MARRA	GSFC	R KUDELA	NAG 5 8855	111
39	UNIV OF CALIFORNIA - SANTA CRUZ	J W MARRA	GSFC	R KUDELA	NAG 5 8750	111
39	UNIV OF CALIFORNIA - SANTA CRUZ	M Y WEI	GSFC	R S ANDERSON	NGT 5 30112	113
39	UNIV OF CALIFORNIA - SANTA CRUZ	W ABDALATI	GSFC	S TULACZK	NAG 5 12379	112
39	UNIV OF CHICAGO	E G STANSBERY	JSC	A J TUZZOLINO	NAG 9 1306	205
39	UNIV OF CINCINNATI	T SCOTT	GRC	D BECK	NAG 3 2437	417
39	UNIV OF CINCINNATI	P R HOUSER	GSFC	S ISLAM	NAG 5 11684	418
39	UNIV OF COLORADO - BOULDER	A	GSFC	K STEFFEN	NAG 5 10857	132
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39	UNIV OF COLORADO - BOULDER	D ANDERSEN	GSFC	J A CURRY	NAG 5 11506	134
39	UNIV OF COLORADO - BOULDER	D ANDERSON	GSFC	L M AVALLONE	NAG 5 11473	134
39	UNIV OF COLORADO - BOULDER	D ANDERSON	GSFC	O B TOON	NAG 5 11474	134
39	UNIV OF COLORADO - BOULDER	D ANDERSON	GSFC	K F EVANS	NAG 5 11501	134
39	UNIV OF COLORADO - BOULDER	D C WICKLAND	GSFC	G P ASNER	NAG 5 8320	127
39	UNIV OF COLORADO - BOULDER	D L WILLIAMS	GSFC	A GOETZ	NAG 5 3437	123
39	UNIV OF COLORADO - BOULDER	D L WILLIAMS	GSFC	T SCAMBOS	NAG 5 3438	123
39	UNIV OF COLORADO - BOULDER	E LINDSTROM	GSFC	J STROEVE	NAG 5 9602	129
39	UNIV OF COLORADO - BOULDER	E LINDSTROM	GSFC	J MASLANIK	NAG 5 9861	130
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39	UNIV OF COLORADO - BOULDER	G GUTMAN	GSFC	C WESSMAN	NAG 5 11238	133
39	UNIV OF COLORADO - BOULDER	J C DODGE	GSFC	D EMERY	NAG 5 6521	124
39	UNIV OF COLORADO - BOULDER	J C DODGE	GSFC	D L ARMSTRONG	NAG 5 6636	124
39	UNIV OF COLORADO - BOULDER	J C DODGE	GSFC	W EMERY	NAG 5 10288	130
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39	UNIV OF COLORADO - BOULDER	L MILAN	GSFC	J GILLE	NAS 5 97046	137
39	UNIV OF COLORADO - BOULDER	M WEI	GSFC	L M AVALLONE	NGT 5 30209	140
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39	UNIV OF COLORADO - BOULDER	M WEI	GSFC	M A TOLBERT	NGT 5 30363	140
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39	UNIV OF COLORADO - BOULDER	M Y WEI	GSFC	M TOLBERT	NGT 5 30136	140
39	UNIV OF COLORADO - BOULDER	M Y WEI	GSFC	B TOON	NGT 5 30155	140
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39	UNIV OF COLORADO - BOULDER	R THOMAS	GSFC	D STEFFEN	NAG 5 4248	123
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39	UNIV OF COLORADO - BOULDER	S GOGINENI	GSFC	R G BARRY	NAG 5 4440	123
39	UNIV OF COLORADO - BOULDER	S GOGINENI	GSFC	A LYNCH	NAG 5 6820	125
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39	UNIV OF COLORADO - BOULDER	S GOGINENI	GSFC	T A SCAMBOS	NAG 5 7760	126
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39	UNIV OF COLORADO - BOULDER	W ABDALATI	GSFC	J STROEVE	NAG 5 10600	131
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39	UNIV OF CONNECTICUT	M Y WEI	GSFC	E N ANAGOSTOU	NAG 5 8636	144
39	UNIV OF CONNECTICUT	P R HOUSER	GSFC	E N ANAGNOSTOU	NAG 5 11527	144
39	UNIV OF DELAWARE	E LINDSTROM	GSFC	X YAN	NAG 5 7949	148
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39	UNIV OF DENVER	D ANDERSON	GSFC	J M REEVES	NAG 5 11531	142
39	UNIV OF DENVER	D ANDERSON	GSFC	J C WILSON	NAG 5 11533	142
39	UNIV OF FLORIDA	G GUTMAN	GSFC	M W BINFORD	NAG 5 9331	171
39	UNIV OF FLORIDA	M WEI	GSFC	J JACOBS	NAG 5 10567	171
39	UNIV OF FLORIDA	M WEI	GSFC	E SCHUUR	NAG 5 12565	171
39	UNIV OF FLORIDA	N MAYNARD	GSFC	D WOOD	NAG 5 3772	170
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39	UNIV OF HAWAII AT MANOA - HONOLULU	N KHAZENIE	GSFC	L P FLYNN	NAG 5 7730	190
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39	UNIV OF HAWAII AT MANOA - HONOLULU	J DODGE	HQ	T NIELSEN	NAG 5 9252	192
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39	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	E T ENGMAN	GSFC	P KUMAR	NAG 5 8555	208
39	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	M WEI	GSFC	D WUEBBLES	NGT 5 50326	212
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39	UNIV OF KANSAS	E LINDSTROM	GSFC	S GOGINENI	NAG 5 8758	226
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39	UNIV OF KANSAS	R THOMAS	GSFC	D A BRAATEN	NAG 5 7053	225
39	UNIV OF KANSAS	W ABDALATI	GSFC	S GOGINENI	NAG 5 11788	226
39	UNIV OF KANSAS	B DAVIS	SSC	K P PRICE	NAG13 01008	226
39	UNIV OF MAINE - ORONO	A JANETOS	GSFC	S SADER	NAG 5 6041	235
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39	UNIV OF MAINE - ORONO	E LINDSTROM	GSFC	G HAMILTON	NAG 5 10035	235
39	UNIV OF MAINE - ORONO	G GUTMAN	GSFC	S A SADER	NAG 5 8712	235
39	UNIV OF MAINE - ORONO	J A MARRA	GSFC	A C THOMAS	NAG 5 6558	235
39	UNIV OF MAINE - ORONO	J MARRA	GSFC	A THOMAS	NAG 5 6604	235
39	UNIV OF MAINE - ORONO	J MARRA	GSFC	M PERRY	NAG 5 9959	235
39	UNIV OF MAINE - ORONO	J ZWALLY	GSFC	G S HAMILTON	NAG 5 9913	235
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39	UNIV OF MARYLAND - COLL PARK	C J TUCKER	GSFC	S D PRINCE	NAG 5 7425	256
39	UNIV OF MARYLAND - COLL PARK	C J TUCKER	GSFC	C O JUSTICE	NAG 5 9892	260
39	UNIV OF MARYLAND - COLL PARK	C J TUCKER	GSFC	C O JUSTICE	NAG 5 9893	260
39	UNIV OF MARYLAND - COLL PARK	C J TUCKER	GSFC	C J TUCKER	NAG 5 10235	261
39	UNIV OF MARYLAND - COLL PARK	C J TUCKER	GSFC	D R TOWNSEND	NAG 5 10527	261
39	UNIV OF MARYLAND - COLL PARK	C J TUCKER	GSFC	C JUSTICE	NAG 5 11672	263
39	UNIV OF MARYLAND - COLL PARK	D E WICKLAND	GSFC	S D PRINCE	NAG 5 6421	255
39	UNIV OF MARYLAND - COLL PARK	D E WICKLAND	GSFC	R E DEFRIES	NAG 5 6970	256
39	UNIV OF MARYLAND - COLL PARK	D E WICKLAND	GSFC	S N GOWARD	NAG 5 7587	256
39	UNIV OF MARYLAND - COLL PARK	D E WICKLAND	GSFC	S D PRINCE	NAG 5 8121	257
39	UNIV OF MARYLAND - COLL PARK	D E WICKLAND	GSFC	S LIANG	NAG 5 8179	257
39	UNIV OF MARYLAND - COLL PARK	D E WICKLAND	GSFC	S PRINCE	NAG 5 10859	262
39	UNIV OF MARYLAND - COLL PARK	D L WILLIAMS	GSFC	S N GOWARD	NAG 5 3454	254
39	UNIV OF MARYLAND - COLL PARK	D L WILLIAMS	GSFC	S GOWARD	NCC 5 408	268
39	UNIV OF MARYLAND - COLL PARK	D L WILLIAMS	GSFC	S N GOWARD	NCC 5 648	268
39	UNIV OF MARYLAND - COLL PARK	D WICKLAND	GSFC	K KASISCHKE	NAG 5 9440	259
39	UNIV OF MARYLAND - COLL PARK	D WICKLAND	GSFC	E KASISCHKE	NAG 5 11786	264
39	UNIV OF MARYLAND - COLL PARK	E J MASUOKA	GSFC	D ROY	NAG 5 12414	265
39	UNIV OF MARYLAND - COLL PARK	E J MASUOKA	GSFC	R A SOHLBERG	NCC 5 650	269
39	UNIV OF MARYLAND - COLL PARK	E LINDSTROM	GSFC	R MURTUGUDDE	NAG 5 8263	257
39	UNIV OF MARYLAND - COLL PARK	E LINDSTROM	GSFC	A BUSALACCHI	NAG 5 12246	265
39	UNIV OF MARYLAND - COLL PARK	E T ENGMAN	GSFC	R T PINKER	NAG 5 8366	257
39	UNIV OF MARYLAND - COLL PARK	G C GUTMAN	GSFC	S PRINCE	NAG 5 4811	255
39	UNIV OF MARYLAND - COLL PARK	G C GUTMAN	GSFC	D DEFRIES	NAG 5 6004	255
39	UNIV OF MARYLAND - COLL PARK	G GUTMAN	GSFC	N LAPORTE	NAG 5 9319	259
39	UNIV OF MARYLAND - COLL PARK	G GUTMAN	GSFC	S D PRINCE	NAG 5 9329	259
39	UNIV OF MARYLAND - COLL PARK	G GUTMAN	GSFC	J R TOWNSHEND	NAG 5 9337	259
39	UNIV OF MARYLAND - COLL PARK	G GUTMAN	GSFC	G SUN	NAG 5 9338	259
39	UNIV OF MARYLAND - COLL PARK	G GUTMAN	GSFC	R DEFRIES	NAG 5 9339	259
39	UNIV OF MARYLAND - COLL PARK	G GUTMAN	GSFC	C JUSTICE	NAG 5 10858	261
39	UNIV OF MARYLAND - COLL PARK	G GUTMAN	GSFC	L ZHANQUING	NAG 5 10898	262
39	UNIV OF MARYLAND - COLL PARK	G GUTMAN	GSFC	N BOCKSTAEL	NAG 5 11149	262
39	UNIV OF MARYLAND - COLL PARK	G GUTMAN	GSFC	R DEFRIES	NAG 5 11161	262
39	UNIV OF MARYLAND - COLL PARK	G J COLLATZ	GSFC	L BOUNOUA	NAG 5 10090	260
39	UNIV OF MARYLAND - COLL PARK	H OSEROFF	GSFC	C JUSTICE	NAS 5 31365	266
39	UNIV OF MARYLAND - COLL PARK	J DODGE	GSFC	P ELLINGSON	NAG 5 6483	256
39	UNIV OF MARYLAND - COLL PARK	J DODGE	GSFC	P PINKER	NAG 5 6667	256
39	UNIV OF MARYLAND - COLL PARK	J DODGE	GSFC	R DUBAYAH	NAG 5 9411	259

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39	UNIV OF MARYLAND - COLL PARK	J MARRA	GSFC	A SUBRAMANIAN	NAG 5 11274	263
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39	UNIV OF MARYLAND - COLL PARK	M WEI	GSFC	F BAER	NGT 5 30196	269
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39	UNIV OF MARYLAND - COLL PARK	M Y WEI	GSFC	K PICKERING	NGT 5 50217	270
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39	UNIV OF MARYLAND - COLL PARK	P HOUSER	GSFC	R DUBAYAH	NAG 5 9447	259
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39	UNIV OF MARYLAND - COLL PARK	S G UNGAR	GSFC	S LIANG	NCC 5 462	268
39	UNIV OF MARYLAND - COLL PARK	S GOGINENI	GSFC	M FAHNESTOCK	NAG 5 7058	256
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39	UNIV OF MARYLAND - COLL PARK	J JENNER	SSC	S GOWARD	NAG13 98001	266
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39	UNIV OF MASSACHUSETTS - AMHERST	M N ABEDIN	LARC	S K YNGVESSON	NAS 1 01058	300
39	UNIV OF MASSACHUSETTS-DARTHMOUTH	D R KAHLE	GSFC	B J ROTHSCHILD	NAG 5 9752	301
39	UNIV OF MASSACHUSETTS-DARTHMOUTH	J MARRA	GSFC	J J BISAGNI	NAG 5 6605	301
39	UNIV OF MASSACHUSETTS-DARTHMOUTH	M GIARDINO	SSC	W S BROWN	NAG13 02042	301
39	UNIV OF MIAMI	A R TUYAHOV	GSFC	T DIXON	NAG 5 9627	174
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39	UNIV OF MICHIGAN - ANN ARBOR	P E O'NEILL	GSFC	A ENGLAND	NAG 5 10036	310
39	UNIV OF MICHIGAN - ANN ARBOR	P R HOUSER	GSFC	A W ENGLAND	NAG 5 11580	312
39	UNIV OF MICHIGAN - ANN ARBOR	P T HOUSER	GSFC	A W ENGLAND	NAG 5 8661	309
39	UNIV OF MICHIGAN - ANN ARBOR	E G STANSBERY	JSC	P O SIETZER	NAG 9 1373	313
39	UNIV OF MICHIGAN - ANN ARBOR	R MCKELLIP	SSC	M DOBSON	NAG13 99024	313
39	UNIV OF MINN	D E WICKLAND	GSFC	P B REICH	NAG 5 7917	318

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39	UNIV OF MINN	R MCKELLIP	SSC	M BAUER	NAG13 99022	320
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39	U OF MONT	C HALL	SSC	R NEMANI	NAG13 02002	335
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39	UNIV. OF NEVADA - DESERT RES. INST	S GOGINENI	GSFC	G L DANA	NAG 5 7870	337
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39	UNIV OF NEW HAMPSHIRE - DURHAM	E A LINDSTROM	GSFC	W S BROWN	NAG 5 6289	342
39	UNIV OF NEW HAMPSHIRE - DURHAM	E T ENGMAN	GSFC	C J VOROSMARTY	NAG 5 8683	343
39	UNIV OF NEW HAMPSHIRE - DURHAM	G Q GUTMAN	GSFC	X XIAO	NAG 5 11160	344
39	UNIV OF NEW HAMPSHIRE - DURHAM	J A YODER	GSFC	C VOROSMARTY	NAG 5 6452	342
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39	UNIV OF NEW HAMPSHIRE - DURHAM	P HOUSER	GSFC	C VOROSMARTY	NAG 5 9617	343
39	UNIV OF NEW HAMPSHIRE - DURHAM	P R HOUSER	GSFC	C VOROSMARTY	NAG 5 11750	344
39	UNIV OF NEW HAMPSHIRE - DURHAM	P T HOUSER	GSFC	C J VOROSMARTY	NAG 5 8443	342
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39	UNIV OF NEW HAMPSHIRE - DURHAM	W ABDALATI	GSFC	M FAHNESTOCK	NAG 5 12408	345
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39	UNIV OF NEW MEXICO-ALBUQUERQUE	A PEEK	SSC	S A MORAIN	NCC13 98002	363
39	UNIV OF NORTH ALABAMA	N KHAZENIE	GSFC	W R STRONG	NAG 5 9085	16
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39	UNIV OF NORTH DAKOTA	D E WICKLAND	GSFC	C A GRAINGER	NAG 5 7950	399
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39	UNIV OF NORTH DAKOTA	B A SPIERING	SSC	G A SEIESTAD	NAG13 01006	399
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39	UNIV OF UTAH	D ANDERSON	GSFC	G MACE	NAG 5 11478	497
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39	UNIV OF UTAH	D ANDERSON	GSFC	S K KRUEGER	NAG 5 11504	497
39	UNIV OF UTAH	D ANDERSON	GSFC	E ZIPSER	NAG 5 11532	497
39	UNIV OF UTAH	D DEERING	GSFC	J EHLERINGER	NCC 5 297	497
39	UNIV OF UTAH	D E WICKLAND	GSFC	J R EHLERINGER	NAG 5 7447	496
39	UNIV OF UTAH	D Q ANDESRON	GSFC	T J GARRETT	NAG 5 11505	497
39	UNIV OF UTAH	D WICKLAND	GSFC	J EHLERINGER	NAG 5 12080	497
39	UNIV OF UTAH	D WICKLAND	GSFC	J EHLERINGER	NAG 5 12230	497
39	UNIV OF UTAH	J C DODGE	GSFC	K JEZEK	NAG 5 8550	496
39	UNIV OF UTAH	M WEI	GSFC	R FORSTER	NAG 5 12552	497
39	UNIV OF UTAH	M WEI	GSFC	R R FORSTER	NGT 5 30184	498
39	UNIV OF UTAH	M WEI	GSFC	J R EHLERINGER	NGT 5 30202	498
39	UNIV OF UTAH	S GOGINENI	GSFC	R FORESTER	NAG 5 7871	496
39	UNIV OF VERMONT	V C VANDERBILT	ARC	G P LIVINGSTON	NCC 2 5399	501
39	UNIV OF VIRGINIA	A C JANETOS	GSFC	P DESANKER	NAG 5 6384	517
39	UNIV OF VIRGINIA	A C JANETOS	GSFC	C O JUSTICE	NAG 5 8162	517
39	UNIV OF VIRGINIA	C J TUCKER	GSFC	C O JUSTICE	NAG 5 11341	519
39	UNIV OF VIRGINIA	D E WICKLAND	GSFC	H H SHUGART	NAG 5 7956	517
39	UNIV OF VIRGINIA	D E WICKLAND	GSFC	H H SHUGART	NAG 5 9357	518
39	UNIV OF VIRGINIA	D WICKLAND	GSFC	C O JUSTICE	NAG 5 7862	517

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39	UNIV OF VIRGINIA	J GRANT	GSFC	A HOWARD	NAG 5 8902	518
39	UNIV OF VIRGINIA	J PRIVETTE	GSFC	R J SWAPP	NAG 5 7266	517
39	UNIV OF VIRGINIA	J PRIVETTE	GSFC	R J SWAPP	NAG 5 10985	519
39	UNIV OF VIRGINIA	M WEI	GSFC	R SWAP	NAG 5 10606	519
39	UNIV OF VIRGINIA	M Y WEI	GSFC	J D ALBERTSON	NAG 5 8670	518
39	UNIV OF WASHINGTON	A C JANETOS	GSFC	J RICHEY	NAG 5 4712	528
39	UNIV OF WASHINGTON	A T CHANG	GSFC	L TSANG	NAG 5 4739	528
39	UNIV OF WASHINGTON	A T CHANG	GSFC	L TSANG	NAG 5 9835	531
39	UNIV OF WASHINGTON	A T CHANG	GSFC	L TSANG	NAG 5 11359	532
39	UNIV OF WASHINGTON	D W DEERING	GSFC	J E RICHEY	NCC 5 345	534
39	UNIV OF WASHINGTON	E LINDSTROM	GSFC	A T JESSUP	NAG 5 7526	529
39	UNIV OF WASHINGTON	E LINDSTROM	GSFC	K KELLY	NAG 5 8296	529
39	UNIV OF WASHINGTON	E LINDSTROM	GSFC	H STERN	NAG 5 9854	531
39	UNIV OF WASHINGTON	E LINDSTROM	GSFC	K KELLY	NAG 5 12539	533
39	UNIV OF WASHINGTON	J A WEINMAN	GSFC	J D SAHR	NAG 5 11372	532
39	UNIV OF WASHINGTON	J A WEINMAN	GSFC	R HOUZE	NCC 5 584	535
39	UNIV OF WASHINGTON	J DODGE	GSFC	R LINDSAY	NAG 5 6493	528
39	UNIV OF WASHINGTON	J DODGE	GSFC	D LETTENMAIER	NAG 5 9416	530
39	UNIV OF WASHINGTON	J W MARRA	GSFC	B FROST	NAG 5 7604	529
39	UNIV OF WASHINGTON	J ZWALLY	GSFC	C F RAYMOND	NAG 5 9906	531
39	UNIV OF WASHINGTON	K PATRINGTON	GSFC	D A ROTHROCK	NAG 5 9334	530
39	UNIV OF WASHINGTON	M WEI	GSFC	J DECOSMO	NAG 5 12410	533
39	UNIV OF WASHINGTON	M WEI	GSFC	S R EMERSON	NGT 5 30213	535
39	UNIV OF WASHINGTON	M WEI	GSFC	D P LETTENMAIER	NGT 5 30220	535
39	UNIV OF WASHINGTON	M WEI	GSFC	T HINCKLEY	NGT 5 30343	535
39	UNIV OF WASHINGTON	M WEI	GSFC	S WARREN	NGT 5 50334	536
39	UNIV OF WASHINGTON	M Y WEI	GSFC	J E RICHEY	NGT 5 30149	535
39	UNIV OF WASHINGTON	M Y WEI	GSFC	T M HINCKLEY	NGT 5 30157	535
39	UNIV OF WASHINGTON	M Y WEI	GSFC	J E RICHEY	NGT 5 30161	535
39	UNIV OF WASHINGTON	P HOUSER	GSFC	D LETTENMAIER	NAG 5 9454	530
39	UNIV OF WASHINGTON	P R HOUSER	GSFC	D LETTENMAIER	NAG 5 11622	532
39	UNIV OF WASHINGTON	P R HOUSER	GSFC	D P LETTENMAIER	NAG 5 11632	532
39	UNIV OF WASHINGTON	P R HOUSER	GSFC	R A HOUZE	NAG 5 11685	533
39	UNIV OF WASHINGTON	P R HOUSER	GSFC	A SCHWEIGER	NAG 5 11800	533
39	UNIV OF WASHINGTON	P R HOUSER	GSFC	D P LETTENMAIER	NAG 5 12548	533
39	UNIV OF WASHINGTON	S GOGINENI	GSFC	D A ROTHROCK	NAG 5 4375	528
39	UNIV OF WASHINGTON	S GOGINENI	GSFC	A SCHWEIGER	NAG 5 7847	529
39	UNIV OF WASHINGTON	J R BLOCKER	MSFC	M BAKER	NAG 8 1512	533
39	UNIV OF WISCONSIN - MADISON	D ANDERSON	GSFC	S A ACKERMAN	NAG 5 11529	544
39	UNIV OF WISCONSIN - MADISON	D DEERING	GSFC	J FOLEY	NCC 5 335	546
39	UNIV OF WISCONSIN - MADISON	D E WICKLAND	GSFC	J FOLEY	NAG 5 7214	541
39	UNIV OF WISCONSIN - MADISON	D E WICKLAND	GSFC	S T GOWER	NAG 5 8069	541
39	UNIV OF WISCONSIN - MADISON	D L PIERCE	GSFC	S ACKERMAN	NAG 5 5272	540
39	UNIV OF WISCONSIN - MADISON	D W DEERING	GSFC	J M NORMAN	NCC 5 294	546
39	UNIV OF WISCONSIN - MADISON	D WICKLAND	GSFC	J FOLEY	NAG 5 9452	542
39	UNIV OF WISCONSIN - MADISON	E KREINS	GSFC	W L SMITH	NAS 5 31377	545
39	UNIV OF WISCONSIN - MADISON	E T ENGMAN	GSFC	D MACKAY	NAG 5 8554	541
39	UNIV OF WISCONSIN - MADISON	E T ENGMAN	GSFC	J A FOLEY	NAG 5 8597	541
39	UNIV OF WISCONSIN - MADISON	G GUTMAN	GSFC	M COE	NAG 5 11085	543
39	UNIV OF WISCONSIN - MADISON	J DODGE	GSFC	A HUANG	NAG 5 9389	542
39	UNIV OF WISCONSIN - MADISON	J DODGE	GSFC	G DIAK	NAG 5 9436	542
39	UNIV OF WISCONSIN - MADISON	M WEI	GSFC	J MECIKALSKI	NAG 5 12536	544
39	UNIV OF WISCONSIN - MADISON	M Y WEI	GSFC	H F WANG	NGT 5 30146	546
39	UNIV OF WISCONSIN - MADISON	M Y WEI	GSFC	W BRINKMANN	NGT 5 30160	546
39	UNIV OF WISCONSIN - MADISON	N KHAZENIE	GSFC	S S LIMAYE	NAG 5 9028	542
39	UNIV OF WISCONSIN - MADISON	S GOGINENI	GSFC	J R KEY	NAG 5 8625	541
39	UNIV OF WYOMING	D E WICKLAND	GSFC	E HUNT	NAG 5 3861	547
39	UNIV OF WYOMING	M WEI	GSFC	W REINER	NGT 5 30350	548
39	UTAH STATE UNIV	P R HOUSER	GSFC	C NEALE	NAG 5 11673	499
39	UTAH STATE UNIV	P R HOUSER	GSFC	L HIPPS	NAG 5 11687	499
39	UTAH STATE UNIV	K DAUES	JSC	B G BUGBEE	NAG 9 1397	499
39	UTAH STATE UNIV	J F DOWDY	MSFC	F BAKER	NGT 8 52866	500
39	UTAH STATE UNIV	S PEARSON	MSFC	J R DENNISON	NAS 8 98221	500
39	VA POLYTECH INST & ST UNIV	M WEI	GSFC	R WYNNE	NAG 5 10548	524
39	VA POLYTECH INST & ST UNIV	M WEI	GSFC	R H WYNNE	NGT 5 30198	525

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39	WEST CHESTER UNIV OF PA	N KHAZENIE	GSFC	R M BUSCH	NAG 5 6080	451
39	WEST VIRGINIA UNIV	J POE	MSFC	T MELOY	NAG 8 1494	538
39	WHEELING JESUIT UNIV	M Y WEI	GSFC	R J MEYERS	NAG 5 8628	538
39	WOODS HOLE OCEANOGRAPHIC INST	C TREES	GSFC	L TRAYKOVSKI	NAG 5 12403	302
39	WOODS HOLE OCEANOGRAPHIC INST	E LINDSTROM	GSFC	R A KRISHFIELD	NAG 5 7770	301
39	WOODS HOLE OCEANOGRAPHIC INST	J MARRA	GSFC	D J MCGILLICUDDY	NAG 5 6455	301
39	WOODS HOLE OCEANOGRAPHIC INST	J MARRA	GSFC	H SOSIK	NAG 5 8868	302
39	WOODS HOLE OCEANOGRAPHIC INST	J W CAMPBELL	GSFC	H M SOSIK	NAG 5 7445	301
39	WOODS HOLE OCEANOGRAPHIC INST	M WEI	GSFC	H SOSIK	NGT 5 30206	302
39	WOODS HOLE OCEANOGRAPHIC INST	M WEI	GSFC	D M GLOVER	NGT 5 30362	302
39	YALE UNIV	G GUTMAN	GSFC	R SMITH	NAG 5 9316	146
39	YALE UNIV	J DODGE	GSFC	M ASHTON	NAG 5 9437	146
39	YALE UNIV	P DECOLA	GSFC	S SHERWOOD	NAG 5 12056	147
41	ALABAMA A&M UNIV	JR PRUITT	MSFC	R B LAL	NCC 8 211	3
41	ALABAMA A&M UNIV	L CHOU	MSFC	G S LIAW	NAG 8 1626	2
41	ARIZONA STATE UNIV	A CHAIT	GRC	K D SQUIRES	NAG 3 2081	19
41	ARIZONA STATE UNIV	C D WIESEMAN	LARC	A CHATTOPADYAY	NAG 1 1988	18
41	ARIZONA STATE UNIV	D R AMBUR	LARC	A CHATTOPADHYAY	NAG 1 2283	19
41	ARIZONA STATE UNIV	W A SILVA	LARC	A CHATIPHADYAJ	NAG 1 02010	19
41	BETHUNE - COOKMAN COLL	S DUTCZAK	KSC	G W BECKLES	NAG10 195	159
41	BOWLING GREEN STATE UNIV	J L DOLCE	GRC	S BALLARD	NAS 3 99202	400
41	CALIFORNIA INST OF TECH	J H STARNES	GSFC	W G KNAUSS	NAG 1 1975	40
41	CALIFORNIA INST OF TECH	D R AMBUR	LARC	W G KNAUS	NAG 1 02029	41
41	CALIFORNIA POLYTECH STATE U-SAN LUIS	D A WARDWELL	ARC	D W HALL	NCC 2 5508	49
41	CALIFORNIA POLYTECH STATE U-SAN LUIS	J ZUK	ARC	D W HALL	NCC 2 5392	49
41	CALIFORNIA POLYTECH STATE U-SAN LUIS	M TISCHER	ARC	D J BIEZAD	NCC 2 1149	49
41	CALIFORNIA POLYTECH STATE U-SAN LUIS	S ATKINS	ARC	S HOCKADAY	NAG 2 1386	49
41	CALIFORNIA POLYTECH STATE U-SAN LUIS	M D MOORE	LARC	D HALL	NAG 1 01099	49
41	CALIFORNIA ST. POLYTECH U-POMONA	K GUPTA	DFRC	W E MORTENSEN	NAG 4 171	49
41	CALIFORNIA ST. UNIV.-SAN BERNADINO	D GUPTA	DFRC	D USHER	NAG 4 225	50
41	CALIFORNIA STATE UNIV - FRESNO	J BRADEN	DFRC	S MAHANTY	NAG 4 153	50
41	CALIFORNIA STATE UNIV - FRESNO	K GUPTA	DFRC	S MAHANTY	NAG 4 172	50
41	CALIFORNIA STATE UNIV - FRESNO	L HUDSON	DFRC	N BENGIAMIN	NAG 4 207	50
41	CALIFORNIA STATE UNIV - LOS ANGELES	K GUPTA	DFRC	M MIRMIRANI	NAG 4 224	50
41	CALIFORNIA STATE UNIV - LOS ANGELES	K GUPTA	DFRC	C WU	NAG 4 174	50
41	CALIFORNIA STATE UNIV - LOS ANGELES	K GUPTA	DFRC	M MIRMIRANI	NAG 4 175	50
41	CARNEGIE - MELLON UNIV	M B TISCHER	ARC	W C MESSNER	NAG 2 1441	431
41	CARNEGIE - MELLON UNIV	R T BIEDRON	LARC	O GHATTAS	NAG 1 2090	431
41	CASE WESTERN RESERVE UNIV	B M STEINETZ	GRC	J CRAWLEY	NCC 3 976	403
41	CASE WESTERN RESERVE UNIV	B STEINETZ	GRC	S M PHILLIPS	NCC 3 892	402
41	CASE WESTERN RESERVE UNIV	D NG	GRC	D HAZONY	NAG 3 2243	400
41	CASE WESTERN RESERVE UNIV	M G POTAPCZUK	GRC	J D ALEXANDER	NAG 3 2581	400
41	CHRISTOPHER NEWPORT UNIV	R C SINGLETERRY	LARC	K CHANG	NCC 1 01028	502
41	CHRISTOPHER NEWPORT UNIV	R R ANTCLIFF	LARC	E B WARD	NCC 1 02041	502
41	CHRISTOPHER NEWPORT UNIV	T E PINELLI	LARC	R CATON	NAG 1 2219	501
41	CITY UNIV OF NY CITY COLL	D O DAVIS	GRC	Y ANDREOPOULOS	NAG 3 2163	364
41	CITY UNIV OF NY CITY COLL	K J BREISACHER	GRC	P P HO	NAG 3 2074	364
41	CITY UNIV OF NY CITY COLL	S M JOSHI	LARC	K SOBEL	NAG 1 2028	364
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41	CLARKSON UNIV	C C CHAMIS	GRC	D MINNETYAN	NAG 3 2393	366
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41	CLARKSON UNIV	C C CHAMIS	GRC	D MINNETYAN	NAG 3 2609	366
41	CLARKSON UNIV	C S YAO	LARC	M N GLAUSER	NGT 1 52214	366
41	CLARKSON UNIV	J JUANG	LARC	R F SCHMIT	NGT 1 52222	366
41	CLEVELAND STATE UNIV	G Y BAAKLINI	GRC	J HEMANN	NAG 3 2672	405
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41	CLEVELAND STATE UNIV	G Y BAAKLINI	GRC	J HEMANN	NAG 3 2684	405
41	CLEVELAND STATE UNIV	J J RUSICK	GRC	R GORLA	NAG 3 2745	405
41	CLEVELAND STATE UNIV	N	GRC	D SIMON	NAG 3 2699	405
41	CLEVELAND STATE UNIV	W MORALES	GRC	J E GATICA	NCC 3 876	407
41	COLL OF WILLIAM AND MARY	D J JOBSON	LARC	Z RAHMAD	NCC 1 01030	503
41	COLL OF WILLIAM AND MARY	J H STARNES, JR.	LARC	D M MANOS	NCC 1 356	503
41	COLL OF WILLIAM AND MARY	J SOBIESKI	LARC	R K KINCAID	NAG 1 2320	502
41	COLL OF WILLIAM AND MARY	N M ALEXANDROV	LARC	R M LEWIS	NCC 1 02029	503
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41	CUYAHOGA COMM COLL	F H YARRIS	GRC	R L MOSS	NAG 3 1778	407
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41	DELFT UNIV OF TECH-NETHERLANDS	J H STARNES	LARC	J ARBOCZ	NAG 1 2129	550
41	DREXEL UNIV	M G POTAPCZUK	GRC	D A RUFF	NAG 3 2295	435
41	DREXEL UNIV	R R TACINA	GRC	K J CHOI	NAG 3 2212	435
41	DREXEL UNIV	C M BELCASTRO	LARC	B C CHANG	NAG 1 01118	434
41	DREXEL UNIV	C M BELCASTRO	LARC	A C LAU	NCC 1 278	435
41	DUKE UNIV	D E COX	LARC	K C HALL	NAG 1 01062	388
41	DUKE UNIV	R H CABELL	LARC	R L CLARK	NAG 1 01014	388
41	EAST CAROLINA UNIV	S E MASSENBERG	LARC	L TISE	NCC 1 01027	390
41	EMBRY-RIDDLE AERONAUTICAL UNIV	B J HOLMES	LARC	S HAMPTON	NCA 1 133	160
41	EMBRY-RIDDLE AERONAUTICAL UNIV	JR BURLEY	LARC	S HAMPTON	NCA 1 01003	160
41	EMBRY-RIDDLE AERONAUTICAL UNIV	L J GLAAB	LARC	R L NEWMAN	NAG 1 02087	160
41	ESTRELLA MOUNTAIN COMM COLL	M RODAN	DFRC	M A REYES	NAG 4 234	23
41	FAYETTEVILLE STATE UNIV	S MASSENBERG	LARC	I EDWARDS	NAG 1 2227	391
41	FLA INTERNATIONAL UNIV	MG POTAPCZUK	GRC	M A EBADIAN	NAS 3 02065	161
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41	FLORIDA A&M UNIV	G K YAMAUCHI	ARC	A KROTHAPALLI	NCC 2 1221	163
41	FLORIDA A&M UNIV	J C ROSS	ARC	A KROTHAPALLI	NCC 2 956	162
41	FLORIDA A&M UNIV	K GUPTA	DFRC	M ABDUDLLAH	NAG 4 164	162
41	FLORIDA A&M UNIV	K K GUPTA	DFRC	M M ABDULLAH	NGT 4 52430	163
41	FLORIDA A&M UNIV	S A GORTON	LARC	F S ALVI	NAG 1 01057	161
41	FLORIDA A&M UNIV	S A GORTON	LARC	F S ALVI	NAG 1 02059	161
41	FLORIDA A&M UNIV	W SELLERS	LARC	J JOHNSON	NCC 1 252	162
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41	FLORIDA STATE UNIV	F FARASSAT	LARC	M Y HUSSAINI	NAG 1 01031	164
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41	GEORGE WASHINGTON UNIV	D W BANKSE	DFRC	R C BLANCHARD	NCC 4 156	152
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41	GEORGIA INST OF TECH	F J MONTEGANI	GRC	D MARVIS	NGT 3 52385	185
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41	GEORGIA INST OF TECH	K T PHAM	GRC	C TAM	NAS 3 02126	183
41	GEORGIA INST OF TECH	K T PHAM	GRC	B T ZINN	NCC 3 982	184
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41	GEORGIA INST OF TECH	C M MEYERS	LARC	R E MCKINLEY	NAS 3 00179	183
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41	GEORGIA INST OF TECH	G S JONES	LARC	R J ENGLAR	NCC 1 02031	184
41	GEORGIA INST OF TECH	L R CLARK	LARC	K K AHUJA	NAS 1 00087	183
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41	GEORGIA INST OF TECH	R A LEPSCH	LARC	J R OLDS	NGT 1 52163	185
41	GEORGIA INST OF TECH	R D BRAUN	LARC	J R OLDS	NGT 1 02012	185
41	GEORGIA INST OF TECH	R E MCKINLEY	LARC	D N MAVRIS	NGT 1 02005	185
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41	SAN JOSE STATE UNIV	M B TISCHER	ARC	K P JORDAN	NCC 2 1097	56
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41	SHAW UNIV	R HATHAWAY	LARC	P PIERCE RAMSEY	NAG 1 01126	397
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43	CLARK ATLANTA UNIV	R LAWRENCE	GRC	D OKHIO	NAG 3 2292	178
43	CLEVELAND STATE UNIV	S R LEVINE	GRC	J MASNOVI	NCC 3 759	406
43	CLEVELAND STATE UNIV	W MORALES	GRC	J E GATICA	NCC 3 971	407
43	CORNELL UNIV	H K NAHRA	GRC	D KOCH	NGT 3 52362	377
43	CORNELL UNIV	P DOTY	MSFC	N ZABARAS	NAG 8 1671	376
43	FISK UNIV	G HUNTER	GRC	D E COLLINS	NAG 3 2298	461
43	GEORGETOWN UNIV	D RISIN	JSC	J M JESSUP	NAG 9 1366	152
43	GEORGIA INST OF TECH	E WEISER	LARC	W H REES	NGT 1 52225	185
43	HARVARD UNIV	S D BAI	MSFC	I F SILVERA	NAG 8 1822	282
43	HOWARD UNIV	H L BELVIN	LARC	W E COLLINS	NAG 1 2019	152
43	JOHNS HOPKINS UNIV	D RISIN	KSC	J L HARDEN	NAG 9 1345	250
43	NORTHWESTERN UNIV	J HINES	ARC	V HATZIMANIKATI	NAG 2 1522	199
43	OHIO STATE UNIV	F J MONTEGANI	GRC	P K DUTTA	NGT 3 52363	413
43	PENN STATE UNIV. - UNIV. PARK	J H AGUI	GRC	D E SCHIFFER	NAG 3 2546	438
43	PENN STATE UNIV. - UNIV. PARK	B BULLARD	MSFC	V YANG	NAG 8 1877	443
43	PENN STATE UNIV. - UNIV. PARK	K TUCKER	MSFC	R J SANTORO	NAG 8 1792	443
43	POLYTECH UNIV - BROOKLYN	C TALLEY	MSFC	A S MEYERSON	NAG 8 1455	379
43	PRAIRIE VIEW A&M UNIV	A BEAM	MSFC	Z HAQUE	NAG 8 1644	469
43	RENSSELAER POLYTECH INST	J SKARDA	GRC	P C WAGNER	NAG 3 2383	379
43	RUTGERS STATE UNIV OF NJ NEW BRUNS	V KLOERIS	JSC	J L KOKINI	NAG 9 1318	355
43	TUSKEGEE UNIV	M COLLINS	KSC	N VAHDAT	NAG10 253	6
43	UNIV HOUSTON-HOUSTON	B FILES	JSC	C A MITCHELL	NAG 9 1305	482
43	UNIV OF ALABAMA - HUNTSVILLE	S NASH-STEVENSON	MSFC	R CERRO	NGT 8 52908	14
43	UNIV OF ARIZONA	R S BAIRD	JSC	K R SRIDHAR	NAG 9 1175	36
43	UNIV OF CALIFORNIA - DAVIS	F P CHIARAMONTE	GRC	B L POWELL	NAG 3 2153	79
43	UNIV OF CALIFORNIA - SANTA BARBARA	B S SINGH	GRC	L G LEAL	NAG 3 2115	105
43	UNIV OF COLORADO - BOULDER	B S SINGH	GRC	R H DAVIS	NAG 3 2116	122
43	UNIV OF DELAWARE	B S SINGH	GRC	E W KALER	NAG 3 1955	148
43	UNIV OF FLORIDA	C BLACK	KSC	G B HOFLUND	NGT10 52633	173
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43	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	F J MONTEGANI	GRC	J S MOORE	NGT 3 52345	211
43	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	R S OKOJIE	GRC	I ADESIDA	NAG 3 2747	207
43	UNIV OF MICHIGAN - ANN ARBOR	F J MONTEGANI	GRC	A ATREYA	NGT 3 52365	315
43	UNIV OF NEVADA - RENO	D RISIN	JSC	G ALMEIDA-PORADA	NAG 9 1340	338
43	UNIV OF ROCHESTER	G A SOFFEN	GSFC	R H HEIST	NGT 5 104	388
43	UNIV OF TEXAS - ARLINGTON	S K KAHNG	LARC	S P JOSHI	NAG 1 01017	486
43	UNIV OF TEXAS - EL PASO	B REED	GRC	D KYPUROS	NAG 3 2773	493
43	UNIV OF TOLEDO	M RABINOWITZ	GRC	K L DEWITT	NAG 3 2338	419
43	UNIV OF WASHINGTON	D RISIN	JSC	A FOLCH	NAG 9 1343	534
43	VANDERBILT UNIV	J E FINN	ARC	M D LEVAN	NCC 2 1127	467
43	VANDERBILT UNIV	J E FINN	ARC	M D LEVAN	NCC 2 5384	467
43	VANDERBILT UNIV	A NURRIDDIN	HQ	R BAYUZICK	NGT 5 50209	467
43	VIRGINIA COMMONWEALTH UNIV	J S HARRISON	LARC	G E WNEK	NAG 1 2302	526

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44	LOUISIANA STATE UNIV - BATON ROUGE	S NASH-STEVENSON	MSFC	K ALSHIBLI	NGT 8 52919	232
44	POLYTECH UNIV - BROOKLYN	J DOWDY	MSFC	F LIN	NGT 8 52879	379
44	SALISH KOOTENAI COLL	P SAKIMOTO	GSFC	T S OLSON	NAG 5 10144	334
44	UNIV OF NEW MEXICO-ALBUQUERQUE	S NASH-STEVENSON	MSFC	T ROSS	NGT 8 52915	363
44	UNIV OF VIRGINIA	S M ARNOLD	GRC	M PINDERA	NAG 3 2524	516
44	VANDERBILT UNIV	S NASH-STEVENSON	MSFC	S MAHADEVAN	NGT 8 52907	468
45	ALABAMA A&M UNIV	D J LARKIN	GRC	D ILA	NAG 3 2302	1
45	ALABAMA A&M UNIV	J MONTENEGRO	MSFC	A BOND	NAG 8 1497	1
45	ARIZONA STATE UNIV	T X NGUYEN	LARC	C BALANIS	NAG 1 1781	18
45	ARIZONA STATE UNIV	T X NGUYEN	LARC	C BALANIS	NCC 1 01051	22
45	AUBURN UNIV	F B BECK	LARC	M L WALLER	NGT 1 52205	4
45	AUBURN UNIV	M DESHPANDE	LARC	M E BAGINSKI	NGT 1 02015	4
45	AUBURN UNIV	D K HALL	MSFC	S A MERRYMAN	NAS 8 98249	3
45	AUBURN UNIV	S NASH-STEVENSON	MSFC	A S HODEL	NGT 8 52904	4
45	BRIGHAM YOUNG UNIV	R D SAKAHARA	DFRC	M D RICE	NAG 4 215	495
45	BRIGHAM YOUNG UNIV	R D SAKAHARA	DFRC	M D RICE	NAG 4 220	495
45	BROWN UNIV	F J MONTEGANI	GRC	G P CRAWFORD	NGT 3 52369	454
45	BUCKNELL UNIV	J DORBAND	GSFC	M F ABURDENE	NAG 5 10821	430
45	CASE WESTERN RESERVE UNIV	K BHASIN	GRC	F L MERAT	NAG 3 2578	400
45	CASE WESTERN RESERVE UNIV	K BHASIN	GRC	F L MERAT	NAG 3 2799	401
45	CASE WESTERN RESERVE UNIV	L G MATUS	GRC	M MEHREGANY	NAG 3 2204	400
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45	CITY UNIV OF NY CITY COLL	A LACIS	GSFC	F MOSHAIR	NCC 5 427	365
45	CITY UNIV OF NY CITY COLL	B CARLSON	GSFC	B GROSS	NAG 5 11813	365
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45	CLEMSON UNIV - CLEMSON	J F DOWDY	MSFC	J N GOWDY	NGT 8 52858	458
45	CLEVELAND STATE UNIV	F J MONTEGANI	GRC	Z GAO	NGT 3 52387	407
45	CLEVELAND STATE UNIV	J F SOEDER	GRC	Z GAO	NCC 3 699	406
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45	CLEVELAND STATE UNIV	R E JONES	GRC	P P CHU	NAG 3 2040	404
45	CLEVELAND STATE UNIV	R KERCZEWSKI	GRC	V K KONANGI	NCC 3 764	406
45	CLEVELAND STATE UNIV	R R ROMANOFSKY	GRC	F XIONG	NAG 3 2531	405
45	CLEVELAND STATE UNIV	S G BAILEY	GRC	D G NEHEMANN	NCC 3 883	407
45	CLEVELAND STATE UNIV	T M WALLETT	GRC	V K KONANGI	NCC 3 595	406
45	CLEVELAND STATE UNIV	K CHUN	GSFC	F XIONG	NAG 3 2619	405
45	EMBRY-RIDDLE AERONAUTICAL UNIV	P G NEUDECK	GRC	A HELFRICK	NCC 3 685	160
45	FLORIDA A&M UNIV	F MCKENZIE	KSC	B A HARVEY	NAG10 289	162
45	FLORIDA ATLANTIC UNIV	T P BIZON	GRC	W E GLENN	NAG 3 2023	163
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45	GEORGIA INST OF TECH	G E PONCHAK	GRC	D M TENTZERIS	NAG 3 2329	180
45	GEORGIA INST OF TECH	G E PONCHAK	GRC	D PAPAPOLYMEROU	NCC 3 900	184
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45	HAMPTON UNIV	F B BECK	LARC	A O OLADIPUPO	NCC 1 366	507
45	HOWARD UNIV	D F NOGA	GRC	D RUBAAI	NAG 3 2287	152
45	HOWARD UNIV	J L DOLCE	GRC	J A MOMOH	NAG 3 1978	152
45	HOWARD UNIV	M D KANKAM	GRC	A RUBAAI	NCC 3 571	153
45	HOWARD UNIV	R M BUTTON	GRC	D A MOMOH	NAG 3 2621	152
45	HOWARD UNIV	A SHARMA	GSFC	D MOHAMMAD	NAG 5 11118	153
45	IOWA STATE UNIV	W P WINFREE	LARC	S S UPDA	NAG 1 01040	220
45	JOHNS HOPKINS UNIV	E WEBB	GSFC	P EISENREICH	NAG 5 10778	245
45	JOHNS HOPKINS UNIV	F SELDON- JONES	GSFC	J KANG	NAS 5 00166	250
45	JOHNS HOPKINS UNIV	H SHAW	GSFC	J B KHURGIN	NAG 5 11332	247
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45	JOHNS HOPKINS UNIV	P LUERS	GSFC	M DARRIN	NAG 5 12209	248
45	JOHNS HOPKINS UNIV	W S HEAPS	GSFC	B BOONE	NAG 5 11845	248
45	JOHNS HOPKINS UNIV	M E BEATTY, III	LARC	M A DARRIN	NCC 1 01019	250
45	JOHNS HOPKINS UNIV	Q A SHAMS	LARC	P D SCHWARTZ	NAG 1 01059	238
45	JOHNS HOPKINS UNIV	D C VANDEMARK	WFF	D R THOMPSON	NAG 5 5301	239
45	MANCHESTER COLL	C HUNG	GRC	G W CLARK	NCC 3 873	214
45	MICHIGAN TECHNOLOGICAL UNIV	M S BURRELL	GSFC	E ROTHWELL	NGT 5 120	306

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45	MORGAN STATE UNIV	J PIEDMEIER	GSFC	C WHITE	NCC 5 565	252
45	MORGAN STATE UNIV	J PIEMEIER	GSFC	C T JOHSON-BEY	NAG 5 11837	252
45	NEW JERSEY INST OF TECH	E WONG	GRC	D P DHAWAN	NAG 3 2459	346
45	NEW MEXICO STATE UNIV - LAS CRUCES	W ST. CYR	SSC	E G CONLEY	NAG13 02046	359
45	NORTH CAROLINA A&T STATE UNIV	A CARDENAS, ARC	ARC	R M SALAMI	NAG 2 6028	392
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45	NORTHWESTERN UNIV	M S BURRELL	GSFC	P KUMAR	NGT 5 90	201
45	OHIO NORTHERN UNIV	R BUTTON	GRC	F L GRISMORE	NAG 3 2544	409
45	OHIO STATE UNIV	E B CLARK	GRC	S A RINGEL	NCC 3 899	413
45	OHIO STATE UNIV	E CLARK	GRC	S A RINGEL	NCC 3 974	413
45	OHIO STATE UNIV	R S OKOJIE	GRC	L BRILLSON	NCC 3 949	413
45	OHIO STATE UNIV	F PERI	GSFC	J T JOHNSON	NAS 5 02001	413
45	OHIO UNIV	P E POINSATTE	GRC	T A SKIDMORE	NAG 3 2385	414
45	OHIO UNIV	P POINSATTE	GRC	T SKIDMORE	NAG 3 2575	414
45	OHIO UNIV	R W WILLS	LARC	J M RANKIN	NAG 1 2036	414
45	OKLAHOMA STATE UNIV	D NGO	GRC	M ATIQUZZAMAN	NCC 3 903	424
45	OLD DOMINION UNIV	M D DESHBANDE	LARC	R P JOSHI	NAG 1 01071	511
45	OLD DOMINION UNIV	R J DEYOUNG	LARC	H SAYID ELE	NGT 1 52211	514
45	OLD DOMINION UNIV	R S ROGOWSKI	LARC	S ALBIN	NCC 1 02026	513
45	OLD DOMINION UNIV	T X NGUYEN	LARC	C F BUNTING	NCC 1 01032	513
45	OLD DOMINION UNIV	T X NGUYEN	LARC	L VAHALA	NGT 1 01013	514
45	OREGON STATE UNIV	G ADAMOVSKY	GRC	T K PLANT	NAG 3 2463	426
45	PENN STATE UNIV. - UNIV. PARK	A AHUMADA	ARC	O I CAMPS	NCC 2 1331	445
45	PENN STATE UNIV. - UNIV. PARK	B KENNY	GRC	H HOFMANN	NAG 3 2598	438
45	PENN STATE UNIV. - UNIV. PARK	G V BROWN	GRC	D HOFMANN	NAG 3 2603	438
45	PENN STATE UNIV. - UNIV. PARK	S G BAILEY	GRC	C R WRONSKI	NAG 3 2795	439
45	PENN STATE UNIV. - UNIV. PARK	P V DEINS-JONES	GSFC	T N JACKSON	NAG 5 12257	443
45	PURDUE UNIV	K CHUN	GRC	D S LEHNERT	NAG 3 2550	215
45	RICE UNIV	B BIEGEL	ARC	J KONO	NCC 2 1279	473
45	RICE UNIV	T R GOVINDAN	ARC	J KONO	NCC 2 5458	473
45	RICE UNIV	D L JAN	JPL	F K TITTLE	NAG 9 1049	472
45	STANFORD UNIV	J E HOLLANSWORTH	GRC	P ENGE	NAG 3 2812	60
45	STANFORD UNIV	K BHASIN	GRC	A FOX	NAG 3 2579	59
45	STANFORD UNIV	M S BURRELL	GSFC	U UMRAN	NGT 5 92	66
45	STATE UNIV OF NY - ALBANY	P NEUDECK	GRC	D DUDLEY	NCC 3 891	382
45	TEXAS A&M UNIV	R LEE	GRC	D CHANG	NAG 3 2551	474
45	TEXAS A&M UNIV	R GARCIA	JSC	P ENJETI	NAG 9 1390	477
45	TEXAS A&M UNIV-KINGSVILLE	K L HAMES	JSC	S W PARK	NAG 9 1093	480
45	TEXAS TECH UNIV	L R PINERO	GRC	E A O'HAIR	NAG 3 2005	480
45	TUSKEGEE UNIV	S A ALTEROVITZ	GRC	K K DAS	NAG 3 2127	5
45	U OF ARKANSAS MAIN CAMP-FAYETTEVILLE	J W JOHNSON	LARC	M EL-SHENAWEE	NAG 1 02021	40
45	UNIV OF AKRON	H NGUYEN	GRC	O C UGWEJE	NCC 3 828	417
45	UNIV OF AKRON	R J ACOSTA	GRC	O C UGWEJE	NAG 3 2279	415
45	UNIV OF AKRON	T B MILLER	GRC	T T HARTLEY	NCC 3 998	417
45	UNIV OF ALABAMA - HUNTSVILLE	D J LARKIN	GRC	D A GEORGE	NAG 3 2285	8
45	UNIV OF ALABAMA - HUNTSVILLE	K MCCALL	MSFC	Y B SHTESSEL	NAG 8 1787	12
45	UNIV OF CALIFORNIA - SANTA BARBARA	T R GOVINDAN	ARC	M W WU	NCC 2 5368	109
45	UNIV OF CALIFORNIA - SANTA BARBARA	T DOIRON	GSFC	M SHERWIN	NAG 5 10299	107
45	UNIV OF CINCINNATI	G E PONCHAK	GRC	K P ROENKER	NAG 3 2487	418
45	UNIV OF COLORADO - BOULDER	H NGUYEN	GRC	Y LEE	NCC 3 773	138
45	UNIV OF COLORADO - BOULDER	R Q LEE	GRC	Z POPOVIC	NAG 3 2587	122
45	UNIV OF COLORADO - BOULDER	W HEAPS	GSFC	J L HALL	NAG 5 10368	131
45	UNIV OF DAYTON	F A MIRANDA	GRC	G SUBRAMANYAN	NCC 3 882	419
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45	UNIV OF FLORIDA	S K KAHNG	LARC	M SHEPLAK	NAG 1 01098	170
45	UNIV OF HAWAII AT MANOA - HONOLULU	P H YEHLER	GSFC	M FOSSORIER	NAG 5 7383	190
45	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	K S CHUN	GRC	U MADHOW	NAG 3 2263	207
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45	UNIV OF KANSAS	K BHASIN	GRC	G	NAS 3 00162	226
45	UNIV OF MARYLAND - COLL PARK	J W BAGWELL	GRC	J S BARAS	NCC 3 528	267
45	UNIV OF MASSACHUSETTS - AMHERST	D LEVINE	GSFC	K CARVER	NAS 5 99133	300
45	UNIV OF MASSACHUSETTS - AMHERST	T A DOIRON	GSFC	K CARVER	NAG 5 9630	299
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45	UNIV OF NEW MEXICO-ALBUQUERQUE	R L CATALDO	GRC	M EL-GENK	NAG 3 2543	361
45	UNIV OF NEW MEXICO-ALBUQUERQUE	K KRISHEN	JSC	M SHAHINPOOR	NAG 9 995	363
45	UNIV OF PUERTO RICO HUMACAO U COL	R ACOSTA	GRC	J C CERSOSIMO	NAG 3 2636	549
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45	UNIV OF SOUTHERN CALIFORNIA	J POUCH	GRC	A LEVI	NAG 3 2559	114
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45	UNIV OF TEXAS - EL PASO	LOWRY	ARC	P J TELLER	NAG 2 1138	493
45	UNIV OF TEXAS - EL PASO	A HEPP	GRC	G B LUSH	NAG 3 2303	493
45	UNIV OF TOLEDO	F R BEACH	GRC	T G KEITH	NCC 3 924	422
45	UNIV OF TOLEDO	G E PONCHAK	GRC	V J KAPOOR	NCC 3 881	422
45	UNIV OF TOLEDO	R BEACH	GRC	T G KEITH	NCC 3 916	422
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46	AUBURN UNIV	K R SACKSTEDER	GRC	D W MACKOWSKI	NCC 3 864	4
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46	CALIFORNIA INST OF TECH	F P CHIARAMONTE	GRC	J F BRADY	NAG 3 2166	41
46	CALIFORNIA POLYTECH STATE U-SAN LUIS	J MURRAY	DFRC	J D MELLO	NAG 4 228	49
46	CARNEGIE - MELLON UNIV	R DEL ROSARIO	GRC	J H GRIFFIN	NAS 3 27735	433
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46	CARNEGIE - MELLON UNIV	C FARMER	JSC	R SIMMONS	NAG 9 1327	433
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46	CASE WESTERN RESERVE UNIV	J M LUCERO	GRC	J M PRAHL	NCC 3 999	403
46	CASE WESTERN RESERVE UNIV	J PEREIRA	GRC	V PRAKASH	NAG 3 2315	400
46	CASE WESTERN RESERVE UNIV	J PEREIRA	GRC	V PRAKASH	NAG 3 2794	401
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46	LOUISIANA STATE UNIV - BATON ROUGE	R TRAVIS	SSC	S ACHARYS	NGT13 52755	232
46	MASSACHUSETTS INST OF TECH	H THOMAS	ARC	J K SALISBURY	NCC 2 1121	294
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47	AUBURN UNIV	S LAMBING	MSFC	R A OVERFELT	NCC 8 128	4
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47	CASE WESTERN RESERVE UNIV	S C FARMER	GRC	S SAYIR	NCC 3 850	402
47	CHRISTOPHER NEWPORT UNIV	M NAMKUNG	LARC	R SELIM	NAG 1 01070	501
47	CITY UNIV OF NY CITY COLL	K J BOWLES	GRC	B LIAW	NAG 3 2259	364
47	CLARK ATLANTA UNIV	S DUTTA	GRC	A A MINTZ	NCC 3 552	178
47	CLARK ATLANTA UNIV	E S WEISER	LARC	D R VEAZIE	NAG 1 01091	178
47	CLEMSON UNIV - CLEMSON	H C SHAW	GSFC	D L CARROLL	NAG 5 9459	457
47	CLEVELAND STATE UNIV	H E KAUTZ	GRC	J HEMANN	NAG 3 2514	405
47	CLEVELAND STATE UNIV	H KAUTZ	GRC	J HEMANN	NCC 3 581	406
47	CLEVELAND STATE UNIV	L A GREENBAUER-SENG	GRC	S TEWARI	NCC 3 862	407
47	CLEVELAND STATE UNIV	L GREENBAUER-SENG	GRC	S N TEWARI	NCC 3 853	406
47	CLEVELAND STATE UNIV	M NATHAL	GRC	S N TEWARI	NCC 3 749	406
47	CLEVELAND STATE UNIV	R V MINER	GRC	S N TEWARI	NCC 3 939	407
47	CLEVELAND STATE UNIV	S G BAILEY	GRC	C GORADIA	NAG 3 1828	404
47	COLL OF WILLIAM AND MARY	J W CONNELL	LARC	R A ORWOLL	NGT 1 52200	503
47	COLL OF WILLIAM AND MARY	M W SMITH	LARC	B C HOLLOWAY	NCC 1 01056	503
47	CORNELL UNIV	M MEADOR	GRC	D P GIANNELIS	NCC 3 832	376
47	CORNELL UNIV	E H GLAESSGEN	LARC	A R INGRAFFEA	NAG 1 02051	371
47	CORNELL UNIV	P DOTY	MSFC	A J SIEVERS	NAG 8 1666	375
47	DREXEL UNIV	J K SUTTER	GRC	D KNIGHT	NCC 3 825	436
47	DREXEL UNIV	M A MEADOR	GRC	D R PALMESE	NCC 3 835	436
47	DUKE UNIV	M TINKER	MSFC	L N VIRGIN	NAG 8 1715	390
47	FLORIDA STATE UNIV	A CHAIT	GRC	J VINALS	NAG 3 1885	164
47	GEORGIA INST OF TECH	S JOHNSON	ARC	M SACKS	NAG 2 1571	180
47	GEORGIA INST OF TECH	J R ELLIS	GRC	D TALREJA	NCC 3 711	184
47	GEORGIA INST OF TECH	W DUVAL	GRC	M F SCHATZ	NAG 3 2006	180
47	GEORGIA INST OF TECH	E H GLAESSGEN	LARC	D L MCDOWELL	NAG 1 02054	180
47	GEORGIA INST OF TECH	E WEISER	LARC	W S REES	NGT 1 02019	185
47	GEORGIA INST OF TECH	R K BIRD	LARC	W S JOHNSON	NAG 1 02018	179
47	GEORGIA INST OF TECH	A NETTLES	MSFC	W S JOHNSON	NAG 8 1819	183
47	GEORGIA INST OF TECH	J DOWDY	MSFC	A GOKHALE	NGT 8 52881	186
47	GEORGIA INST OF TECH	P DOTY	MSFC	A M GOKHALE	NAG 8 1245	182
47	HARVARD UNIV	P DOTY	MSFC	F A SPAEPEN	NAG 8 1680	282
47	HOPE COLL	T S GATES	LARC	J PAWLOSKE	NAG 1 01060	303
47	IOWA STATE UNIV	A JACKSON	MSFC	R K TRIVETI	NAG 8 1681	221
47	JOHNS HOPKINS UNIV	S V RAJ	GRC	D J HEMKER	NAG 3 2690	238
47	KANSAS STATE UNIV	J A HINKLEY	LARC	Y WANG	NAG 1 02014	225
47	KANSAS STATE UNIV	J SU	LARC	Y WANG	NAG 1 02041	225
47	KENT STATE UNIV	M A MEADOR	GRC	R J TWIEG	NCC 3 721	408
47	LE TOURNEAU UNIV	C SCOTT	JSC	G DE BOER	NAG 9 1274	469
47	MASSACHUSETTS INST OF TECH	M PURVEY	MSFC	A WITT	NAG 8 1487	292
47	MASSACHUSETTS INST OF TECH	P DOTY	MSFC	R SADOWAY	NAG 8 1689	293
47	MICHIGAN STATE UNIV	M V NATHAL	GRC	D S GRUMMON	NCC 3 868	305
47	MICHIGAN STATE UNIV	J M BENAVIDES	GSFC	V AYRES	NAG 5 8893	304
47	MICHIGAN STATE UNIV	P DOTY	MSFC	A BERNARD	NAG 8 1690	305
47	MISSISSIPPI STATE UNIV	W GREGG	MSFC	S R DANIEWICZ	NAG 8 1883	323
47	MONTANA STATE UNIV	V C VANDERBILT	ARC	L H SPANGLER	NAG 2 1323	332
47	MORGAN STATE UNIV	E ORDONEZ	MSFC	A KENNEDY	NAG 8 1847	252
47	NEW JERSEY INST OF TECH	E S WEISER	LARC	M JAFFE	NAG 1 01110	346
47	NEW MEXICO INST OF MINING & TECH	J K SUTTER	GRC	D A HIRSCHFELD	NAG 3 2688	357
47	NORFOLK STATE UNIV	E T PRIOR	LARC	J JACOGS	NAG 1 2125	508
47	NORFOLK STATE UNIV	J C BARNES	LARC	L MATTIX	NCC 1 01049	509
47	NORTH CAROLINA A&T STATE UNIV	M R FREEDMAN	GRC	D N SHIVAKUMAR	NAG 3 2650	392
47	NORTH CAROLINA A&T STATE UNIV	T HAAG	GRC	K SHIVAKUMAR	NAS 3 01197	393
47	NORTH CAROLINA A&T STATE UNIV	R A HATHAWAY	LARC	A D KELKAR	NAG 1 02077	391
47	NORTH CAROLINA STATE UNIV. - RALEIGH	H PARTRIDGE	ARC	D W BRENNER	NCC 2 5506	396
47	NORTH CAROLINA STATE UNIV. - RALEIGH	C H LIN	JSC	M H MOHAMAD	NAG 9 1087	395

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47	NORTH CAROLINA STATE UNIV. - RALEIGH	E H GLASSGEN	LARC	F G YUAN	NAG 1 01103	393
47	NORTH CAROLINA STATE UNIV. - RALEIGH	E SAETHER	LARC	F G YUAN	NAG 1 02086	394
47	NORTH CAROLINA STATE UNIV. - RALEIGH	J S HARRISON	LARC	R C SMITH	NAG 1 02080	394
47	NORTHWESTERN UNIV	M V NATHAL	GRC	D C DUNAND	NCC 3 870	201
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47	NORTHWESTERN UNIV	T K GLASGOW	GRC	P W VOORHEES	NAG 3 1823	199
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47	OHIO STATE UNIV	M V ZELLER	GRC	P DUTTA	NCA 3 206	413
47	OHIO STATE UNIV	R D NOEBE	GRC	M J MILLS	NAG 3 2675	410
47	OHIO STATE UNIV	R GOLDBERG	GRC	A GILAT	NAG 3 2748	410
47	OHIO STATE UNIV	R K GOLDBERG	GRC	GILAT	NAG 3 2522	409
47	OHIO STATE UNIV	P DOTY	MSFC	P K DUTTA	NAG 8 1670	413
47	OKLAHOMA STATE UNIV	M A MEADOR	LARC	S ROY	NAG 3 2780	423
47	OLD DOMINION UNIV	T H HOU	LARC	M C GUPTA	NCC 1 363	512
47	OLD DOMINION UNIV	T S GATES	LARC	R B PIPES	NAG 1 01043	511
47	OLD DOMINION UNIV	T S GATES	LARC	M C GUPTA	NCC 1 02022	513
47	OLD DOMINION UNIV	A T NETTLES	MSFC	R PRABHAKARAN	NAG 8 1813	512
47	PENN STATE UNIV. - UNIV. PARK	D T ELLERBY	ARC	J R HELLMANN	NAG 2 1524	437
47	PENN STATE UNIV. - UNIV. PARK	G E SCHWARZE	GRC	D T LANAGAN	NAG 3 2561	438
47	PENN STATE UNIV. - UNIV. PARK	M V NATHAL	GRC	D CHEN	NCC 3 920	445
47	PENN STATE UNIV. - UNIV. PARK	R DRAPER	GRC	NOT AVAILABLE	NAS 3 01082	444
47	PENN STATE UNIV. - UNIV. PARK	S M ARNOLD	GRC	D J LISSENDEN	NCC 3 848	445
47	PENN STATE UNIV. - UNIV. PARK	K M TAMINGER	LARC	V V SEMAK	NAG 1 02065	437
47	PRINCETON UNIV	B GOOD	GRC	D J SROLOVITZ	NAG 3 2665	348
47	PURDUE UNIV	T S GATES	LARC	C T SUN	NAG 1 01073	214
47	RENSSELAER POLYTECH INST	P M DOTY	MSFC	M E GLICKSMAN	NAG 8 1696	380
47	SAINT LOUIS UNIV	C DELLACORTE	GRC	P A BENOY	NAG 3 2469	325
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47	TEXAS A&M UNIV	M R EFFINGER	MSFC	O O OCHOA	NAG 8 1802	476
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47	UNIV HOUSTON-HOUSTON	S J LAMBING	MSFC	A IGNATIEV	NCC 8 127	482
47	UNIV OF AKRON	A CHAIT	GRC	G W YOUNG	NCC 3 716	416
47	UNIV OF AKRON	C CHUANG	GRC	F W HARRIS	NAG 3 2390	415
47	UNIV OF AKRON	G D ROBERTS	GRC	E SANCAKTAR	NCC 3 744	416
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47	UNIV OF AKRON	M A MEADOR	GRC	D H RENEKER	NCC 3 968	417
47	UNIV OF AKRON	E S WEISER	LARC	R B PIPES	NAG 1 02003	415
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47	UNIV OF CALIFORNIA - DAVIS	M NATHAL	GRC	J GIBELING	NCC 3 859	82
47	UNIV OF CALIFORNIA - DAVIS	D R AMBUR	LARC	L W REHFIELD	NAG 1 01116	79
47	UNIV OF CALIFORNIA - LOS ANGELES	R G BRYANT	LARC	G P CARMEN	NGT 1 52240	94
47	UNIV OF CALIFORNIA - SANTA BARBARA	C CZALAI	ARC	F MILSTEIN	NCC 2 1290	109
47	UNIV OF COLORADO - BOULDER	B V GUYNES	MSFC	S STURE	NAS 8 38779	137
47	UNIV OF FLORIDA	D E LUECK	KSC	E D WACHSMAN	NAG10 303	172
47	UNIV OF FLORIDA	D R AMBUR	LARC	B V SANKAR	NAG 1 01088	169
47	UNIV OF FLORIDA	M J VANDYKE	MSFC	S ANGHAIE	NAG 8 1251	171
47	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	T L PANONTIN	ARC	R H DODDS	NAG 2 1424	207
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47	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	S J HALES	LARC	R S AVERBACK	NAG 1 01035	206
47	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	S J HALES	LARC	R S AVERBACK	NAG 1 02013	206
47	UNIV OF IOWA	P DOTY	GSFC	C BECKERMANN	NCC 8 199	225
47	UNIV OF MARYLAND - COLL PARK	T T KING	GSFC	R GHODSSI	NAG 5 12011	264
47	UNIV OF MASSACHUSETTS - AMHERST	D L THOMSEN	LARC	E B COUGHLIN	NGT 1 02008	300
47	UNIV OF MICHIGAN - ANN ARBOR	M P NEMETH	LARC	A P WAAS	NCC 1 01050	313
47	UNIV OF MINN	P M DOTY	MSFC	J J DERBY	NAG 8 1676	320
47	UNIV OF MISSOURI - ROLLA	T S GATES	LARC	S ROY	NAG 1 01050	326

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47	UNIV OF PUERTO RICO - MAYAGUEZ	R TRAVIS	SSC	Y JIA	NAG13 02031	549
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47	UNIV OF TEXAS - EL PASO	A BEAM	MSFC	J C MCCLURE	NAG 8 1645	494
47	UNIV OF TEXAS AT SAN ANTONIO	S RAJ	GRC	D L BAGLEY	NAG 3 2671	495
47	UNIV OF TOLEDO	M V NATHAL	GRC	T G KEITH	NCC 3 995	422
47	UNIV OF UTAH	B MCKISSOCK	GRC	G D SMITH	NAG 3 2624	496
47	UNIV OF UTAH	J R REEDERS	LARC	D O ADAMS	NCC 1 256	497
47	UNIV OF VIRGINIA	D L DICUS	LARC	E A STARKE	NAG 1 02090	516
47	UNIV OF VIRGINIA	M P NEMETH	LARC	C O HORGAN	NAG 1 01022	516
47	UNIV OF VIRGINIA	M S DOMACK	LARC	D A LITTLE	NAG 1 2282	515
47	UNIV OF VIRGINIA	R PIASCIK	LARC	G SHIFLET	NAG 1 2321	516
47	UNIV OF VIRGINIA	R S PIASCIK	LARC	G J SHIFLET	NAG 1 02049	516
47	UNIV OF VIRGINIA	R S PIASCIK	LARC	R G KELLY	NCC 1 01009	520
47	UNIV OF WASHINGTON	B J JENSEN	LARC	J C SEFERIS	NAG 1 01078	527
47	UNIV OF WISCONSIN - MADISON	P M DOTY	MSFC	S KOU	NAG 8 1459	544
47	VA POLYTECH INST & ST UNIV	M H JASKOWIAK	GRC	W A CURTIN	NAG 3 2100	523
47	VA POLYTECH INST & ST UNIV	D R AMBUR	LARC	L LIBRESCU	NAG 1 01101	522
47	VA POLYTECH INST & ST UNIV	D R AMBUR	LARC	Z GURDAL	NAG 1 01105	522
47	VA POLYTECH INST & ST UNIV	M P NEMETH	LARC	M W HYER	NAG 1 01072	522
47	VA POLYTECH INST & ST UNIV	R J CANO	LARC	A C LOOS	NCC 1 01037	525
47	VA POLYTECH INST & ST UNIV	R S PIASCIK	LARC	W T REYNOLDS	NAG 1 02063	523
47	VA POLYTECH INST & ST UNIV	M E PRINCE	MSFC	D A DILLIARD	NAG 8 1846	524
47	WASHINGTON UNIV - ST. LOUIS	P DOTY	MSFC	K F KELTON	NAG 8 1682	331
47	WICHITA STATE UNIV	A C NUNES	MSFC	G E TALIA	NCC 8 202	228
47	WINONA STATE UNIV	T S GATES	LARC	B ABDEL-MAGID	NAG 1 01054	322
49	ALABAMA A&M UNIV	W LOVE	MSFC	D ILA	NAG 8 1655	2
49	ALABAMA A&M UNIV	W T POWERS	MSFC	K B COOK	NAG 8 1861	2
49	ALCORN STATE UNIV	B ST. CYR	JSC	S ACEIL	NAG13 98005	322
49	ARKANSAS TECH UNIV	G R HALFORD	GRC	T GOSWAMI	NAG 3 2798	39
49	AUBURN UNIV	J HOWELL	MSFC	S A MERRYMAN	NAG 8 1728	3
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49	BOSTON UNIV	R B ROGERS	GRC	D HOLT	NAG 3 2392	275
49	BOWLING GREEN STATE UNIV	S RIDDLEBAUGH	GRC	B D PIERSOL	NAG 3 2790	399
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49	CALIFORNIA INST OF TECH	J H AGUI	GRC	M L HUNT	NAG 3 2358	41
49	CALIFORNIA INST OF TECH	N R HALL	GRC	J F BRADY	NAG 3 2737	41
49	CALIFORNIA INST OF TECH	S C FARMER	GRC	U USTUNDAG	NAG 3 2686	41
49	CALIFORNIA INST OF TECH	B A MERRITT	GSFC	R A MEWALDT	NAG 5 5203	42
49	CALIFORNIA INST OF TECH	D NGUYEN	GSFC	F A HARRISON	NAG 5 11851	47
49	CALIFORNIA ST. POLYTECH U-POMONA	M BATTAGLIA	NMO	V GARNER	NCC 7 11	49
49	CALIFORNIA ST. POLYTECH U-POMONA	T J LLOYD	NMO	V H GARNER	NCC 7 10	49
49	CALIFORNIA STATE UNIV-BAKERSFIELD	K S SHY	DFRC	K L NYBERG	NAG 4 200	52
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49	CASE WESTERN RESERVE UNIV	F P CHIARAMONTE	GRC	B OVRYN	NAG 3 2504	400
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49	CASE WESTERN RESERVE UNIV	M M HASAN	GRC	J ALEXANDER	NAG 3 2742	401
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49	CLEMSON UNIV - CLEMSON	F P CHIARAMONTE	GRC	D M OCHTERBECK	NAG 3 2214	456
49	CLEMSON UNIV - CLEMSON	J BARTH	GSFC	P MCNULTY	NAG 5 9824	457
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49	CLEVELAND STATE UNIV	H DEGROH	GRC	D TEWARI	NCC 3 818	406
49	CLEVELAND STATE UNIV	H E KAUTZ	GRC	J HEMANN	NCC 3 582	406
49	CLEVELAND STATE UNIV	H KAUTZ	GRC	J T SAWICKI	NAG 3 2573	405
49	CLEVELAND STATE UNIV	J M MULLINS	GRC	G L KRAMERICH	NCC 3 647	406
49	CLEVELAND STATE UNIV	J MULLINS	GRC	G L KRAMERICH	NCC 3 908	407
49	CLEVELAND STATE UNIV	K JULES	GRC	P P LIN	NAG 3 2326	404
49	CLEVELAND STATE UNIV	P S GREENSBERG	GRC	J A LOCK	NAG 3 2423	404
49	CLEVELAND STATE UNIV	J MATURO	HQ	A LIOU	NASW 02023	406
49	COLORADO SCH OF MINES	S A GOKOGLU	GRC	D J MOORE	NCC 3 659	117
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49	CORNELL UNIV	D L DIETRICH	GRC	T AVEDISIAN	NAG 3 2224	371
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49	DINE COLL (FORMERLY NAVAJO COMM COLL)	L ARMEDARIZ	JSC	M C BAUER	NAG 9 1172	23
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49	DUKE UNIV	R A WILKINSON	GRC	R P BEHRINGER	NAG 3 2372	389
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49	FLORIDA STATE UNIV	F P CHIARAMONTE	GRC	D CHELLA	NAG 3 2445	164
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49	UNIV OF COLORADO - BOULDER	F P CHIARMONTE	GRC	N A CLARK	NAG 3 2457	122
49	UNIV OF COLORADO - BOULDER	R FRIEDMAN	GRC	M C BRANCH	NAG 3 2220	122
49	UNIV OF COLORADO - BOULDER	D CONTENT	GSFC	W CASH	NAG 5 11850	135
49	UNIV OF COLORADO - BOULDER	J R WEST	MSFC	L STODIECK	NCC 8 242	139
49	UNIV OF CONNECTICUT	E WENZEL	ARC	A BRAMMER	NAG 2 1544	143
49	UNIV OF CONNECTICUT	F P CHIARAMONTE	GRC	D FAGHRI	NCC 3 789	144
49	UNIV OF DAYTON	F J MONTEGANI	GRC	V JAIN	NGT 3 52351	419
49	UNIV OF DELAWARE	K R SACKSTER	GRC	D WANG	NCC 3 843	149
49	UNIV OF FLORIDA	B J MOTIL	GRC	A L LADD	NAG 3 2382	170
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49	UNIV OF FLORIDA	K TUCKER	MSFC	W SHYY	NAG 8 1791	171
49	UNIV OF HAWAII AT MANOA - HONOLULU	D L URBAN	GRC	B CHAO	NCC 3 696	196
49	UNIV OF IDAHO - MOSCOW	P YEH	GSFC	G MAKI	NAG 5 11734	197
49	UNIV OF IDAHO - MOSCOW	P YEH	GSFC	G MAKI	NAG 5 11805	197
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49	UNIV OF ILLINOIS - CHICAGO CIRCLE	D L URBAN	GRC	Y CHOI	NCC 3 655	206
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49	UNIV OF ILLINOIS - CHICAGO CIRCLE	S L OLSON	GRC	I K PURI	NCC 3 694	206
49	UNIV OF ILLINOIS - CHICAGO CIRCLE	W B DUVAL	GRC	D M MEGARIDIS	NAG 3 2456	205
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49	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	D G FISHER	GRC	P S CARNEY	NAG 3 2764	207
49	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	F J MONTEGANI	GRC	M BRAGGS	NGT 3 52357	211
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49	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	B MCGILL	MSFC	R H DODDS	NAG 8 1751	210
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49	UNIV OF SOUTHERN CALIFORNIA	M M HASAN	GRC	K OHSAKA	NCC 3 827	117
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49	UNIV OF SOUTHERN CALIFORNIA	M DUTTA	GSFC	G SHIFLETT	NAG 5 10399	115
49	UNIV OF SOUTHERN MISSISSIPPI	P DOTY	MSFC	J WHITEHEAD	NAG 8 1684	325
49	UNIV OF TENNESSEE - KNOXVILLE	S NASH-STEVENSON	MSFC	L TOWNSEND	NGT 8 52920	466
49	UNIV OF TENNESSEE SPACE INST-TULLAHOMA	M E OLSEN	ARC	S VENKATESWARAN	NCC 2 5413	466
49	UNIV OF TEXAS - AUSTIN	K MCLALLIN	GRC	J BENO	NAS 3 00119	491
49	UNIV OF TEXAS - AUSTIN	K SACKSTEDER	GRC	N T CLEMENS	NCC 3 677	491
49	UNIV OF TEXAS - AUSTIN	P GEORGE	GRC	W A WALLS	NAS 3 00135	491
49	UNIV OF TEXAS - AUSTIN	P S GREENBERG	GRC	P L VARGHESE	NAG 3 2240	487
49	UNIV OF TEXAS - AUSTIN	T CRAIN	JSC	R H BISHOP	NAG 9 1437	490
49	UNIV OF TEXAS - DALLAS	P H YEH	GSFC	J P FONSEKA	NAG 5 9476	493
49	UNIV OF TEXAS AT BROWNSVILLE	L ARMENDARIZ	JSC	W WELLS	NAG 9 1064	494
49	UNIV OF TEXAS AT SAN ANTONIO	F SAFIE	MSFC	R MANTUEFEL	NAG 8 1720	495
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49	UNIV OF TOLEDO	D MONTEGANI	GRC	D J KAPOOR	NGT 3 52342	422
49	UNIV OF TOLEDO	F J MONTEGANI	GRC	V J KAPOOR	NGT 3 52375	423
49	UNIV OF TOLEDO	N J GEORGIADIS	GRC	T G KEITH	NCC 3 922	422
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49	UNIV OF VIRGINIA	H A ROELANT	LARC	J BECHTA-DUGAN	NAS 1 99098	520
49	UNIV OF VIRGINIA	J A CARABALLO	LARC	K J SULLIVAN	NAS 1 02076	520
49	UNIV OF VIRGINIA	L E JONES	LARC	R W KENT	NGT 1 52244	521
49	UNIV OF VIRGINIA	M T PALMER	LARC	E J BASS	NAG 1 02113	516
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49	UNIV OF WASHINGTON	G MEYER	ARC	S DEVASIA	NAG 2 1450	527
49	UNIV OF WASHINGTON	J E BROOKER	GRC	D RILEY	NAG 3 2517	527
49	UNIV OF WASHINGTON	N R HALL	GRC	T J MATULA	NAG 3 2379	527
49	UNIV OF WASHINGTON	W J STOUD	LARC	K Y LIN	NAG 1 2296	527
49	UNIV OF WEST FLORIDA	B WARD	JSC	J HANSEN	NAG 9 1386	177
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49	VANDERBILT UNIV	C J CULBERT	JSC	R A PETERS II	NGT 9 52	468
49	WASHINGTON STATE UNIV	C NIEDERHAUS	GRC	D MARSTON	NAG 3 2378	536
49	WASHINGTON UNIV - ST. LOUIS	D L URBAN	GRC	R L AXELBAUM	NCC 3 697	331
49	WASHINGTON UNIV - ST. LOUIS	P S GREENBERG	GRC	D CHEN	NAG 3 2625	328
49	WASHINGTON UNIV - ST. LOUIS	S A GOKOGLE	GRC	R L AXELBAUM	NAG 3 1910	328
49	WASHINGTON UNIV - ST. LOUIS	L KALUZIENSKI	GSFC	P L HINK	NAG 5 8568	329
49	WAYNE STATE UNIV	G MEYER	ARC	F LIN	NAG 2 1279	316
49	WAYNE STATE UNIV	G MEYER	ARC	F LIN	NAG 2 1532	316
49	WICHITA STATE UNIV	C BIDWELL	GRC	D PAPADAKIS	NAG 3 2324	227
49	WILBERFORCE UNIV	A F HEPP	GRC	D R BUFFINGER	NAG 3 2301	423
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49	XAVIER UNIV - LOUISIANA	R A HATHAWAY	LARC	T C TAYLOR	NCC 1 02036	234
49	YALE UNIV	D F CHAO	GRC	D LOEWENBERG	NAG 3 2722	146
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49	YALE UNIV	F P CHIARAMONTE	GRC	D LOEWENBERG	NAG 3 2477	146
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51	ARIZONA STATE UNIV	D J DESMARAIS	ARC	F G PICHEL	NCC 2 5411	23
51	ARIZONA STATE UNIV	L ROTHSCHILD	ARC	R E BLAKENSHIP	NGT 2 52284	23
51	ARIZONA STATE UNIV	M MEYER	GSFC	D CRONIN	NAG 5 4131	19
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51	CASE WESTERN RESERVE UNIV	M M AVERNER	ARC	S J MOORMAN	NAG 2 1356	400
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51	CREIGHTON UNIV	M M AVERNER	ARC	B FRITSZCH	NAG 2 1353	335
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51	DREXEL UNIV	M M AVERNER	ARC	P I LELKES	NAG 2 1436	435
51	DREXEL UNIV	H SHAW	GSFC	M A WHEATLEY	NAG 5 11340	435
51	DREXEL UNIV	D RISIN	JSC	P LELKE	NCC 9 130	436
51	DUKE UNIV	M M AVERNER	ARC	G A WRAT	NAG 2 1377	389
51	DUKE UNIV	B GUYNES	MSFC	W E KRAUS	NAG 8 1581	390
51	EAST CAROLINA UNIV	A E RONCA	ARC	H W BURDEN	NCC 2 1165	390
51	ELIZABETH CITY STATE UNIV	J L HARRINGTON	GSFC	D BANERJEE	NAG 5 12554	391
51	EMORY UNIV	D RISIN	JSC	L CHUNG	NCC 9 144	179
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51	FLORIDA A&M UNIV	C M WINGET	ARC	M S SACHDEVA	NCC 2 1005	163
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51	HARVARD UNIV	M MEYER	GSFC	C M CAVANAUCH	NAG 5 10906	282
51	HOWARD UNIV	L PUTCHA	JSC	M W COOMES	NAG 9 977	153
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51	INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS	A NURRIDDIN	HQ	R L DUCN	NGT 5 50203	212
51	INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS	B GUYNES	MSFC	C M TRAYCOFF	NAG 8 1586	212
51	JOHNS HOPKINS UNIV	C SAMS	JSC	D WIRTZ	NGT 9 65	251
51	JUDSON COLL-ELGIN ILLINOIS	M M AVERNER	ARC	E A JUERGENSMEYER	NAG 2 1512	198
51	KANSAS STATE UNIV	W E HINDS	ARC	S K CHAPES	NAG 2 1274	225
51	KENT STATE UNIV	M M AVERNER	ARC	L G LEFF	NAG 2 1497	408
51	LOUISIANA STATE UNIV - BATON ROUGE	M FONDA	ARC	J R BATTISTA	NAG 2 1460	230
51	LOUISIANA STATE UNIV - BATON ROUGE	M M AVERNER	ARC	V J LICATA	NAG 2 1511	230
51	LOUISIANA STATE UNIV - BATON ROUGE	M MEYYAPPAN	ARC	P VASHISTA	NCC 2 5440	231
51	MARSHALL UNIV	M M AVERNER	ARC	W B RHOTEN	NAG 2 1194	537
51	MASSACHUSETTS INST OF TECH	M M AVERNER	ARC	A L DEMAIN	NAG 2 1350	284
51	MASSACHUSETTS INST OF TECH	M M AVERNER	ARC	Y L WANG	NAG 2 1540	285
51	MASSACHUSETTS INST OF TECH	N R PELLIS	JSC	L FREED	NCC 8 174	295
51	MEDICAL COLL OF GEORGIA	M M AVERNER	ARC	P L MCNEIL	NAG 2 1416	187
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51	MEDICAL COLL OF WISCONSIN	W E HINDS	ARC	D A RILEY	NAG 2 956	539
51	MEDICAL UNIV OF SOUTH CAROLINA	M M AVERNER	ARC	S HOFFMAN	NAG 2 1415	459
51	MIAMI UNIV	C M WINGET	ARC	J Z KISS	NAG 2 1017	409
51	MIAMI UNIV	D REISS-BUBENHEIM	ARC	J Z KISS	NCC 2 1200	409
51	MICHIGAN STATE UNIV	B GUYNES	MSFC	L R MCCABE	NAG 8 1575	304
51	MISSISSIPPI STATE UNIV	B GUYNES	MSFC	W W WILSON	NAG 8 1837	323
51	MISSISSIPPI STATE UNIV	B V GUYNES	MSFC	W W WILSON	NAG 8 1566	323
51	MONTANA STATE UNIV	M F VASQUES	ARC	B H PYLE	NCC 2 1143	333
51	MOREHOUSE SCH MED	M M AVERNER	ARC	B J KLEMENT	NAG 2 1215	187
51	MOREHOUSE SCH MED	S M HING	ARC	G SONNENFELD	NCC 2 1262	187
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51	NEW MEXICO HIGHLANDS UNIV	D S MCKAY	JSC	J C DEBACA	NAG 9 1168	357
51	NY UNIV	MM AVERNER	ARC	K D WALTON	NAG 2 1426	378
51	NY UNIV	W E HINDS	ARC	K D WALTON	NAG 2 951	378
51	NORTH CAROLINA STATE UNIV. - RALEIGH	M M AVERNER	ARC	I Y PERERA	NAG 2 1502	394
51	NORTH CAROLINA STATE UNIV. - RALEIGH	M M AVERNER	ARC	C BROWN	NAG 2 1566	394
51	NORTH CAROLINA STATE UNIV. - RALEIGH	J LETCHWORTH	KSC	D S BROWN	NAG10 308	395
51	NORTHERN ARIZONA UNIV	M L FONDA	ARC	J H WITTKE	NCC 2 5356	24
51	OHIO STATE UNIV	M M AVERNER	ARC	M L EVANS	NAG 2 1411	409
51	OREGON HEALTH SCIENCES UNIV	M M AVERNER	ARC	M V DANILCHIK	NAG 2 1199	426
51	OREGON STATE UNIV	M M AVERNER	ARC	T L LOMAX	NAG 2 1341	426
51	PENN STATE UNIV. - UNIV. PARK	M M AVERNER	ARC	D J COSGROVE	NAG 2 1342	437
51	PENN STATE UNIV. - UNIV. PARK	M M AVERNER	ARC	S G GILROY	NAG 2 1366	437
51	PURDUE UNIV	C A CONLEY	ARC	C A MITCHELL	NGT 2 52285	218
51	PURDUE UNIV	M M AVERNER	ARC	D J MORRE	NAG 2 1344	214
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51	STANFORD UNIV	C A CONLEY	ARC	S K KIM	NCC 2 1208	64
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51	STATE UNIV OF NY COLL - PURCHASE	M A MEYER	GSFC	D J FLYNN	NAG 5 4691	386
51	TENNESSEE STATE UNIV	JHARRINGTON	GSFC	T P GARY	NCC 5 657	463
51	TEXAS A&M UNIV	M F VASQUES	ARC	M D DELP	NCC 2 1166	477
51	TEXAS A&M UNIV	M M AVERNER	ARC	M D DELP	NAG 2 1340	474
51	TEXAS A&M UNIV	M ANDERSON	JSC	G COTE	NCC 8 169	478
51	THE UNIV OF CENTRAL FLORIDA	C QUINCY	KSC	J F WEISHAMPEL	NAG10 278	168
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51	TULANE UNIV	B E GIRTEN	ARC	C A NICKERSON	NCC 2 1362	234
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51	TULANE UNIV	N PELLIS	JSC	K O'CONNER	NAG 9 826	233
51	U OF ARKANSAS MAIN CAMP-FAYETTEVILLE	R P TRAVIS	SSC	S BAJAWA	NGT13 52753	40
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51	UNIV OF ALABAMA - UNIV	M M AVERNER	ARC	J M O'DONNELL	NAG 2 1499	15
51	UNIV OF ARIZONA	M FONDA	ARC	W NICHOLSON	NCC 2 1342	37
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51	UNIV OF CALIFORNIA - IRVINE	B GUYNES	MSFC	A J MALKIN	NAG 8 1569	84
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51	UNIV OF CALIFORNIA - SAN DIEGO	M M AVERNER	ARC	L Z HOLLAND	NAG 2 1376	96
51	UNIV OF CALIFORNIA - SAN DIEGO	M MEYER	GSFC	G ARRHENIUS	NAG 5 9566	99
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51	UNIV OF CALIFORNIA - SAN DIEGO	B GUYNES	MSFC	J A FRANGOS	NAG 8 1589	102
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51	UNIV OF CALIFORNIA - SAN FRANCISCO	R L JAFFE	ARC	M A WILSON	NCC 2 5412	104
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51	UNIV OF COLORADO - BOULDER	M FONDA	ARC	R PAPPALARDO	NCC 2 1340	138
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51	UNIV OF CONNECTICUT	B M BEBOUT	ARC	P T VISSCHER	NCC 2 1067	144
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51	UNIV OF CONNECTICUT	M MEYER	GSFC	J P GOGARTEN	NAG 5 11470	144
51	UNIV. OF CONNECTICUT HEALTH CTR	M M AVERNER	ARC	D W ROWE	NAG 2 1434	143
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51	UNIV OF FLORIDA	C D BLACK	KSC	H BECK	NGT10 52632	173
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51	UNIV OF HAWAII AT MANOA - HONOLULU	M M AVERNER	ARC	M Q MARTINDALE	NAG 2 1519	189
51	UNIV OF HAWAII AT MANOA - HONOLULU	M M AVERNER	ARC	M Q MARTINDALE	NAG 2 1374	189
51	UNIV OF ILLINOIS - CHICAGO CIRCLE	M M AVERNER	ARC	A LYSAKOWSKI	NAG 2 1358	205
51	UNIV OF IOWA	M ANDERSON	JSC	V G RODGERS	NAG 8 1591	224
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51	UNIV OF IOWA	B GUYNES	MSFC	J WIENECK	NAG 8 1588	224
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51	UNIV OF KANSAS MEDICAL CTR	C M WINGET	ARC	J S TASH	NAG 2 1016	227
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51	UNIV OF KENTUCKY	M M AVERNER	ARC	S DAUNERT	NAG 2 1363	228
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51	UNIV OF MARYLAND - COLL PARK	M M AVERNER	ARC	S I SUKHAREV	NAG 2 1352	253
51	UNIV OF MARYLAND - COLL PARK	D E WALTER	GSFC	L W ADAMS	NAG 5 8678	258
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51	UNIV OF MD - BIOTECH INST - COLLEGE PARK	B L WOOD	ARC	R R COLWELL	NAG 2 1195	253
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51	UNIV OF MICHIGAN - ANN ARBOR	D A REISS-BUBENHEIM	ARC	K I CLARK	NCC 2 856	313
51	UNIV OF MINN	B GUYNES	MSFC	W S HU	NAG 8 1349	320
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51	UNIV OF NORTH CAROLINA - CHAPEL HILL	M M AVERNER	ARC	M YAMAUCHI	NAG 2 1188	397
51	UNIV OF NORTH CAROLINA - CHAPEL HILL	B GUYNES	MSFC	C W CARTER	NAG 8 1580	397
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51	UNIV OF OKLAHOMA - NORMAN	D REISS-BUBENHEIM	ARC	J N THOMPSON	NCC 2 1355	425
51	UNIV OF OKLAHOMA - NORMAN	M M AVERNER	ARC	J T THOMPSON	NAG 2 1427	424
51	UNIV OF OREGON - EUGENE	B M BEBATH	ARC	R W CASTENHOLZ	NCC 2 5409	430
51	UNIV OF PENNSYLVANIA	P DOTY	MSFC	D A	NAG 8 1683	448
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51	UNIV OF PUERTO RICO - MAYAGUEZ	R TRAVIS	SSC	F GILBES	NAG13 99029	549
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51	UNIV OF SOUTH FLORIDA	D RISIN	JSC	J L BECKER	NAG 9 1341	176
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51	UNIV OF SOUTHWESTERN LOUISIANA	R D MACELROY	ARC	K H HASENSTEIN	NAG 2 1423	234
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51	UNIV OF TEXAS	D REISS-BUBENHEIM	ARC	S T BRADY	NAG 2 962	484

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51	UNIV. OF TX-HLTH SCIENCE CTR-HOUSTON	B V GUYNES	MSFC	L P RUTZKY	NAG 8 1585	484
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51	UNIV OF WASHINGTON	J H BELL	ARC	J B CALLIS	NGT 2 52281	535
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51	UNIV OF WISCONSIN - MADISON	M M AVERNER	ARC	P H MASSON	NAG 2 1189	540
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51	UNIV OF WISCONSIN - MADISON	M M AVERNER	ARC	P H MASSON	NAG 2 1492	540
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51	UNIV OF WISCONSIN - MILWAUKEE	D R MORRISON	JSC	P I LELKES	NCC 8 173	547
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51	WAKE FOREST UNIV	M M AVERNER	ARC	G K MUDAAY	NAG 2 1203	398
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54	TEXAS A&M UNIV	D RUSSO	JSC	M V PISHKO	NAG 9 1277	477
54	TEXAS SOUTHERN UNIV	L M ARMENDARIZ	JSC	G RAMESH	NAG 9 1414	480
54	U OF ARKANSAS MAIN CAMP-FAYETTEVILLE	C P MCKAY	ARC	T A KRAL	NGT 2 52243	40
54	UNIV OF ARIZONA	C A DARBY	MSFC	P H SMITH	NAG 8 1654	36
54	UNIV OF CALIFORNIA - BERKELEY	D J DES MARAIS	ARC	N R PACE	NGT 2 52233	77
54	UNIV OF CALIFORNIA - SAN DIEGO	K ARRIGO	GSFC	D LUBIN	NAG 5 6414	97
54	UNIV OF CONNECTICUT	M S BURRELL	GSFC	R COLWELL	NGT 5 82	145
54	UNIV OF FLORIDA	K R DAUES	JSC	J J WARWICK	NCC 9 110	173
54	UNIV OF MARYLAND - COLL PARK	D E SQUIBB	GSFC	L W ADAMS	NAG 5 11399	263
54	UNIV OF MARYLAND - COLL PARK	D RISIN	JSC	J DIRUGGIERO	NCC 9 147	269
54	UNIV OF MARYLAND BALTIMORE COUNTY	F A CUCINOTTA	JSC	B M RABIN	NAG 9 1190	274
54	UNIV OF MASSACHUSETTS BOSTON	R P TRAVIS	SSC	J URBAN-RICH	NGT13 52756	301
54	UNIV OF MD - BIOTECH INST - COLLEGE PARK	S GONDA	JSC	J DI RUAGIERO	NCC 8 175	253
54	UNIV OF MIAMI	L GUILD	ARC	P KRAMER	NCC 2 5500	175
54	UNIV OF NORTH CAROLINA-GREENSBORO	D RUSSO	JSC	C N STEWART	NAG 9 1296	398

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54	UNIV OF PUERTO RICO-RIO PIEDRAS	W J LOVE	MSFC	B R WEINER	NAG 8 1709	550
54	UNIV OF TEXAS-PAN AMERICAN	S GONZALEZ	JSC	R FOWLER	NAG 9 1169	484
54	UNIV OF WISCONSIN - MADISON	A L MATISAK	MSFC	W L ZHOU	NCC 8 129	546
54	UTAH STATE UNIV	R M WHEELER	KSC	B G BUGBEE	NAG 9 999	499
54	VIRGINIA COMMONWEALTH UNIV	C M BUNTIN	JSC	H B CHERMSIDE	NAS 9 19541	526
54	WASHINGTON STATE UNIV	M M AVERNER	ARC	N G LEWIS	NAG 2 1198	536
55	CORNELL UNIV	RWHEELER	KSC	L ALBRIGHT	NGT10 52623	377
55	INST AMER INDIAN & AK NATIVE CULT & DEV	W LOVE	MSFC	S SULNA	NAG 8 1730	356
55	INST AMER INDIAN & AK NATIVE CULT & DEV	W LOVE	MSFC	W COFFEY	NAG 8 1860	356
55	IOWA STATE UNIV	H LANE	JSC	D OLSEN	NCC 9 100	222
55	LOUISIANA STATE UNIV - BATON ROUGE	R MCKELLIP	SSC	B R LEONARD	NCC13 02003	231
55	MISSISSIPPI VALLEY STATE UNIV.	G CARTER	JSC	R BAHADUR	NAG13 98004	324
55	MISSISSIPPI VALLEY STATE UNIV.	R TRAVIS	JSC	R BAHDUR	NAG13 99026	324
55	OHIO STATE UNIV	G ETHERIDGE	KSC	F SACK	NAG10 263	413
55	OHIO STATE UNIV	J C SAGER	KSC	P LING	NAG10 320	413
55	PRAIRIE VIEW A&M UNIV	D S MCKAY	JSC	R CUERO	NAG 9 1241	470
55	TEXAS A&M UNIV	C T BOURLAND	JSC	R L RICHTER	NAG 9 1119	476
55	TEXAS A&M UNIV	D G SICKOREZ	JSC	R W WEAVER	NGT 9 34	479
55	TEXAS SOUTHERN UNIV	L ARMENDARIZ	JSC	O A JEJELOWO	NAG 9 1194	480
55	TEXAS SOUTHERN UNIV	L ARMENDARIZ	JSC	G A JEJEDOWO	NAG 9 1227	480
55	TUSKEGEE UNIV	L M ARMENDARIZ	JSC	D MORTLEY	NAG 9 1408	6
55	UNIV OF ARIZONA	D BARTA	JSC	G GIACOMELLI	NAG 9 1378	36
55	UNIV OF FLORIDA	J C SAGER	KSC	R A BUCKLIN	NAG10 293	172
55	UNIV OF FLORIDA	W M KNOTT	KSC	R J FERL	NAG10 145	171
55	UNIV OF MAINE - ORONO	B GRAHAM	JSC	S SADER	NAG13 98008	235
55	UNIV OF VIRGINIA	R WHEELER	KSC	A MILLS	NGT10 52620	521
55	UTAH STATE UNIV	D BARTA	JSC	B BUGBEE	NAG 9 1237	499
55	UTAH STATE UNIV	T FRISBLE	SSC	D RAMSEY	NAG13 02058	499
56	BAYLOR COLL OF MED	C LLOYD	JSC	B J SCHWARTZ	NAG 9 1158	468
56	BAYLOR COLL OF MED	L C SHACKELFORD	JSC	A D LE BLANC	NCC 9 61	469
56	BAYLOR COLL OF MED	C R TALLEY	MSFC	B YOFE	NAG 8 1383	468
56	BOSTON UNIV	M ANDERSON	JSC	C J DE LUCA	NCC 9 127	278
56	BROWN UNIV	J JONES	JSC	M RUTHERFORD	NAG 9 1302	454
56	CASE WESTERN RESERVE UNIV	J M SANKOVIC	GRC	J R KADAMBI	NAG 3 2620	400
56	COLORADO SCH OF MINES	D RISIN	JSC	D W. M. MARR	NAG 9 1364	117
56	COLUMBIA UNIV	P P FUNG	ARC	D W LANDY	NAS 2 02039	370
56	DARTMOUTH COLL	C LLYOD	JSC	J BUCKLEY	NAG 9 1387	341
56	DARTMOUTH COLL	D BELL	JSC	J BUCKEY	NAG 9 1088	340
56	HOWARD UNIV	R SRIDHAR	MSFC	R SRIDHAR	NCC 8 184	154
56	INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS	K BLANDING	GSFC	F PAVALKO	NGT 5 50291	212
56	JOHNS HOPKINS UNIV	F A CUCINOTTA	JSC	J DICELLO	NGT 9 50	251
56	KENT STATE UNIV	C LLOYD	JSC	D D MACLEAN	NAG 9 1389	408
56	LOMA LINDA UNIV	C LLOYD	JSC	L M GREEN	NAG 9 1452	52
56	MASSACHUSETTS INST OF TECH	J W HINES	ARC	T M SWAGER	NAS 2 02056	293
56	MASSACHUSETTS INST OF TECH	B WOOLFORD	JSC	D J NEWMAN	NAG 9 1003	293
56	MEDICAL UNIV OF SOUTH CAROLINA	N R PELLIS	MSFC	A J SMOKA	NAG 8 1385	459
56	MOREHOUSE COLL	K KRISHEN	JSC	K DUTT	NAG 9 964	187
56	MOREHOUSE SCH MED	C SAMS	JSC	M THIERRY-PALMER	NCC 9 112	187
56	MOREHOUSE SCH MED	K KRISHEN	JSC	R SRIDARAN	NAG 9 963	187
56	NY UNIV	F A CUCINOTTA	JSC	F J BURNS	NAG 9 1024	378
56	NORTHWESTERN UNIV	ESTANSBERY	JSC	K MCKEEGAN	NAS 9 02003	201
56	PENN STATE UNIV. - UNIV. PARK	C W LLOYD	JSC	P CAVANAGH	NAG 9 1264	443
56	PENN STATE UNIV. - UNIV. PARK	M KAMMAN	JSC	P CAVANAGH	NAS 9 99095	444
56	PENN STATE UNIV -HERSHEY MED.	C F SAWIN	JSC	L I SINOWAY	NAG 9 1044	437
56	PONCE SCH OF MED	H L D'ANTONI	ARC	J L MATTA	NAG 2 1385	548
56	STANFORD UNIV	J W HINES	ARC	S A SCHENDEL	NCC 2 1010	64
56	STANFORD UNIV	R MAH	ARC	S S JEFFREY	NCC 2 5489	65
56	STANFORD UNIV	R T WHALEN	ARC	N J PELC	NCC 2 5434	65
56	STATE UNIV OF NY - STONY BROOK	S MCCOLLUM	JSC	C RUBIN	NAG 9 1433	385
56	THOMAS JEFFERSON UNIV	D RISIN	JSC	I M SHAPIRO	NAG 9 1400	447
56	TUFTS UNIV	P M DOTY	MSFC	D L KAPLAN	NAG 8 1699	297
56	TULANE UNIV	D RIIN	JSC	K C O'CONNOR	NAG 9 1351	233
56	TULANE UNIV	D RISEN	JSC	T HAMMOND	NAG 9 1344	233
56	TULANE UNIV	D RISIN	JSC	C A NICKERSON	NAG 9 1350	233
56	TULANE UNIV	S R GONDA	JSC	T HAMMOND	NAG 8 1362	233
56	UNIV HOUSTON-HOUSTON	D FEEBACK	JSC	J DAVIS	NCC 9 151	483

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56	UNIV OF ALABAMA - HUNTSVILLE	M CROUCH	MSFC	M BANISH	NAG 8 1476	12
56	UNIV OF ARIZONA	J SCHONFELD	ARC	J SZIVEK	NCC 2 5375	37
56	UNIV OF CALIFORNIA - SAN DIEGO	E M HOLTON	ARC	A R HARGENS	NCC 2 1133	103
56	UNIV OF CALIFORNIA - SAN DIEGO	E M HOLTON	ARC	C ROGERS	NCC 2 1196	103
56	UNIV OF CALIFORNIA - SAN DIEGO	D RISEN	JSC	R L SAH	NAG 8 1571	102
56	UNIV OF CALIFORNIA - SAN DIEGO	F H FARMER	LARC	A R HARGENS	NAG 1 02092	95
56	UNIV OF CALIFORNIA - SAN FRANCISCO	C W LLOYD	JSC	J P MURNANE	NAG 9 1261	104
56	UNIV OF CALIFORNIA - SAN FRANCISCO	D BAUMANN	JSC	T LANG	NAS 9 99055	104
56	UNIV OF FLORIDA	D A TIPTON	KSC	A H NEIMS	NAS10 96004	172
56	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	J W HINES	ARC	S A BOPPART	NAS 2 02057	211
56	UNIV OF MASSACHUSETTS WORCESTER	D RISEN	JSC	W J SCHWARTZ	NAG 9 1356	297
56	UNIV OF MED AND DENTISTRY	C W LLOYD	JSC	T P STEIN	NAG 9 1162	356
56	UNIV OF MICHIGAN - ANN ARBOR	J W HINES	ARC	J R BAKER	NAS 2 02069	313
56	UNIV OF OKLAHOMA - NORMAN	B WOOLFORD	JSC	R SCHEGEL	NAG 9 1280	425
56	UNIV OF PENNSYLVANIA	B WOOLFORD	JSC	N BADLER	NAG 9 1279	448
56	UNIV OF PITTSBURGH	J HINES	ARC	S ASHER	NAS 2 02058	450
56	UNIV OF PITTSBURGH	C W LLOYD	JSC	T H MONK	NAG 9 1234	450
56	UNIV OF SAN DIEGO	D RISIN	JSC	R SAH	NAG 9 1354	114
56	UNIV OF SOUTH FLORIDA	D RISEN	JSC	S SAPORTA	NAG 9 1365	176
56	UNIV OF TEXAS - AUSTIN	C LLOYD	JSC	R L HELMREICH	NAG 9 1275	490
56	UNIV OF TEXAS	C W LLOYD	JSC	C G CRANDALL	NAG 9 1033	484
56	UNIV. OF TEXAS MD ANDERSON CANCER CTR	C LLOYD	JSC	J REUBEN	NAG 9 1454	484
56	UNIV OF TEXAS MED BRAN - GALVESTON	J W HINES	ARC	J F LEARY	NAS 2 02059	483
56	UNIV OF TEXAS MED BRAN - GALVESTON	A LEE	JSC	A FERRANDO	NAS 9 97147	483
56	UNIV OF TEXAS MED BRAN - GALVESTON	C LLOYD	JSC	A A FERRANDO	NAG 9 1155	483
56	UNIV OF TEXAS MED BRAN - GALVESTON	M ANDERSON	JSC	A D BARRET	NAS 9 01006	483
56	UNIV OF TEXAS MED BRAN - GALVESTON	V CHOPPA	MSFC	V CHOPPA	NCC 8 170	483
56	UNIV OF TX-HLTH SCI CTR-SAN ANTONIO	S GONDA	JSC	J M JESSUP	NAG 9 1206	483
56	UNIV. OF TX-HLTH SCIENCE CTR-HOUSTON	C SAWIN	JSC	B BUTLER	NAG 9 1040	485
56	UNIV. OF TX-HLTH SCIENCE CTR-HOUSTON	D RISIN	JSC	L P RUTZKY	NAG 9 1353	485
56	UNIV. OF TX-HLTH SCIENCE CTR-HOUSTON	J T JAMES	JSC	A HOLIAN	NAG 9 1144	485
56	UTAH STATE UNIV	K DAUES	JSC	G BINGHAM	NAG 9 1284	499
56	UTAH STATE UNIV	D RISEN	SSC	T HAMMOND	NCC13 02001	500
56	VIRGINIA COMMONWEALTH UNIV	A LEE	JSC	D ECKBURG	NAS 9 19539	526
59	ALABAMA A&M UNIV	A CARDENAS	ARC	P G KALE	NAG 2 1130	1
59	ARIZONA STATE UNIV	R A GRYMES	ARC	J D FARMER	NCC 2 1051	22
59	ARIZONA STATE UNIV	R V MORRIS	JSC	P R CHRISTENSON	NAG 9 1331	22
59	BAYLOR COLL OF MED	C LLOYD	JSC	C SMITH	NAG 9 1253	468
59	BAYLOR COLL OF MED	C W LLOYD	JSC	A D LE BLANC	NAG 9 1151	468
59	BAYLOR COLL OF MED	F A CUCINOTTA	JSC	L E PETERSON	NAG 9 1052	468
59	BRANDEIS UNIV	C W LLOYD	JSC	J LACKNER	NAG 9 1038	279
59	CALIFORNIA INST OF TECH	P DOTY	MSFC	W K RHIM	NAG 8 1743	47
59	CALIFORNIA INST OF TECH	P DOTY	MSFC	W L JOHNSON	NAG 8 1744	47
59	COLORADO STATE UNIV	S POTTER	ARC	G VOGT	NCC 2 1099	120
59	COLORADO STATE UNIV	W M KNOTT	KSC	A N REDDY	NAG10 234	120
59	COLUMBIA UNIV	F A CUCINOTTA	JSC	E J HALL	NAG 9 1148	370
59	CORNELL UNIV	H W JONES	ARC	J B HUNTER	NCC 2 5459	376
59	EAST TENNESSEE STATE UNIV	B GUYNES	MSFC	L WILSON	NAG 8 1375	461
59	FINCH UNIV HEALTH SCI/CHICAGO MED SCH	B GUYNES	MSFC	R S KAPLAN	NAG 8 1827	198
59	HARVARD UNIV	R A GRYMES	ARC	A H KNOLL	NCC 2 1053	282
59	IOWA STATE UNIV	D JAN	JPL	M D PORTER	NAG 9 1191	221
59	JOHNS HOPKINS UNIV	J A KAYE	GSFC	J YEE	NAG 5 7552	240
59	LOUISIANA STATE UNIV - BATON ROUGE	D L DEVINCENZI	ARC	J R BATTISTA	NAG 2 1320	230
59	MARQUETTE UNIV	D BAUMANN	JSC	D L COSTILL	NCC 9 116	539
59	MASSACHUSETTS INST OF TECH	V SCHNEIDER	GSFC	R COHEN	NAG 5 4989	287
59	MASSACHUSETTS INST OF TECH	D K BAUMAN	JSC	C M OMAN	NAS 9 00097	294
59	MASSACHUSETTS INST OF TECH	J DETROVE	JSC	C M OMAN	NAG 9 1004	293
59	MOREHOUSE SCH MED	P COWLINGS	ARC	E OFILI	NCC 2 1322	187
59	MOREHOUSE SCH MED	C SAMS	JSC	K DUTT	NAG 9 1164	187
59	MT SINAI SCH OF MED OF THE CUNY	V SCHNEIDER	GSFC	H KAUFMANN	NAG 5 6276	378
59	MT SINAI SCH OF MED OF THE CUNY	M E ANDERSON	JSC	S MOORE	NCC 9 128	378
59	NEW MEXICO HIGHLANDS UNIV	D SMCKAY	JSC	J R JUAREZ	NAG 9 1394	357
59	NORTH CAROLINA STATE UNIV. - RALEIGH	D P LISKOWSKY	GSFC	E DAVIES	NAG 5 3743	394
59	NORTHEASTERN OHIO UNIV COL OF MED	M M AVERNER	GSFC	W J LANDIS	NAG 5 7789	409
59	NORTHEASTERN UNIV	P DOTY	MSFC	A KARMA	NAG 8 1668	296

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59	OLD DOMINION UNIV	J R COMSTOCK	LARC	J M STARK	NGT 1 52232	515
59	PENN STATE UNIV. - UNIV. PARK	R A GRYMES	ARC	H OHMOTO	NCC 2 1057	444
59	PENN STATE UNIV. - UNIV. PARK	M AVERNER	GSFC	N V FEDOROFF	NAG 5 3970	439
59	PENN STATE UNIV. - UNIV. PARK	M AVERNER	GSFC	R CYR	NAG 5 4840	439
59	PENN STATE UNIV. - UNIV. PARK	C LLOYD	JSC	J A PAWELCZYK	NAG 9 1173	443
59	RICE UNIV	D LASKOWSKY	GSFC	L MCINTIRE	NAG 5 4072	471
59	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	G FOGLEMAN	GSFC	H JANES	NAG 5 6011	353
59	SAN JOSE STATE UNIV	H L D'ANTONI	ARC	E P METZGER	NCC 2 5344	57
59	SAN JOSE STATE UNIV	R D MACELROY	ARC	M M AVERNER	NCC 2 6042	58
59	SOUTHERN UNIV & A&M COLL	G J FISHMAN	MSFC	J G STACY	NAG 8 1625	232
59	SPELMAN COLL	D O FRAIZER	MSFC	O SCRIVEN	NCC 8 194	188
59	STANFORD UNIV	R T WHALEN	ARC	B LUSIGNAN	NGT 2 52246	66
59	STANFORD UNIV	A JANETOS	GSFC	P MATSON	NAG 5 6615	60
59	STATE UNIV OF NY - STONY BROOK	V SCHNEIDER	GSFC	C T RUBIN	NAG 5 3950	384
59	TENNESSEE TECHNOLOGICAL UNIV	D HATHAWAY	MSFC	S HAN	NAG 8 1631	463
59	TEXAS A&M UNIV	C BLACK	KSC	D PILLAI	NGT10 52628	479
59	TEXAS TECH UNIV	D L HENNINGER	JSC	J L SMITH	NCC 9 108	481
59	THE SCRIPPS RES INST (TSRI) -LA JOLLA	L J CAROFF	ARC	R GHADIRI	NCC 2 1055	67
59	THE UNIV OF CENTRAL FLORIDA	C D QUINCY	KSC	D W JOHNSON	NAG10 276	168
59	TUFTS UNIV	D JAN	JPL	S P KOUNAVES	NAG 9 1182	297
59	TUSKEGEE UNIV	P X CALLAHAN	ARC	W A HILL	NAG 2 6049	5
59	TUSKEGEE UNIV	R WHEELER	KSC	D MARTLEY	NAG10 209	6
59	TUSKEGEE UNIV	S POTTER	KSC	D HILL	NAG10 281	6
59	UNIV HOUSTON-HOUSTON	C W LLOYD	JSC	D A MARTINEZ	NAG 9 1152	482
59	UNIV OF ALABAMA - BIRMINGHAM	D K COLLINS	MSFC	L J DELUCAS	NAS 8 40189	7
59	UNIV OF ALABAMA - HUNTSVILLE	P M DOTY	MSFC	M T ZUGRAV	NAG 8 1456	12
59	UNIV OF ALABAMA - HUNTSVILLE	P M DOTY	MSFC	R J NAUMANN	NAG 8 1464	12
59	UNIV OF ALABAMA - HUNTSVILLE	S SPEARMAN	MSFC	F ROSENBERGER	NCC 8 99	13
59	UNIV OF ARIZONA	R WHEELER	KSC	J L CUELLO	NAG10 255	36
59	UNIV OF CALIFORNIA - IRVINE	S ROBBINS	MSFC	A MCPHERSON	NAS 8 00017	85
59	UNIV OF CALIFORNIA - IRVINE	S ROBBINS	MSFC	A MCPHERSON	NAS 8 00019	85
59	UNIV OF CALIFORNIA - LOS ANGELES	R A GRYMES	ARC	B RUNNEGAR	NCC 2 1050	93
59	UNIV OF CALIFORNIA - SAN DIEGO	J MECK	JSC	P J MILLS	NCC 9 105	103
59	UNIV OF CALIFORNIA - SAN DIEGO	J MECK	JSC	M G ZEIGLER	NCC 9 106	103
59	UNIV OF CALIFORNIA - SAN DIEGO	S M MCCULLUM	JSC	J B WEST	NAS 9 98124	103
59	UNIV OF CALIFORNIA - SAN FRANCISCO	M H NEW	ARC	M A WILSON	NCC 2 5295	104
59	UNIV OF CALIFORNIA - SANTA BARBARA	C LLOYD	JSC	M ECKSTIEN	NAG 9 1329	108
59	UNIV OF CALIFORNIA - SANTA CRUZ	M FONDA	ARC	J PEARSE	NCC 2 5351	112
59	UNIV OF COLORADO - BOULDER	R A GRYMES	ARC	B JAKOSKI	NCC 2 1052	138
59	UNIV OF COLORADO - BOULDER	M AVERNER	GSFC	A STAEHELIN	NAG 5 3967	123
59	UNIV OF COLORADO - BOULDER	S J LAMBING	MSFC	G MORGENTHALER	NCC 8 131	139
59	UNIV OF COLORADO - DENVER	R GLOBUS	ARC	S NIELSON-PREISS	NGT 2 52291	142
59	UNIV. OF CONNECTICUT HEALTH CTR	M AVERNER	GSFC	D ROWE	NAG 5 6316	143
59	UNIV OF FLORIDA	A L FROST	MSFC	B CARROLL	NAG 8 1821	171
59	UNIV OF GEORGIA	C KUNDROT	MSFC	B WANG	NCC 8 233	189
59	UNIV OF HOUSTON - CLEAR LAKE	M POWELL	JSC	R S CHHIKARA	NAG 9 1083	485
59	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	J R ROGERS	MSFC	C F ZOKOSKI	NAG 8 1376	210
59	UNIV OF MISSOURI - COLUMBIA	M AVERNER	GSFC	T A JONES	NAG 5 4607	325
59	UNIV OF MISSOURI - COLUMBIA	R P KEHOE	JSC	G M CHIPPENDALE	NAG 9 1230	326
59	UNIV OF NEVADA - RENO	M T FLYNN	ARC	V D ADAMS	NCC 2 5443	338
59	UNIV OF N TEXAS HLTH SCI CTR - FT. WORTH	V SCHNEIDER	GSFC	P B RAVEN	NAG 5 4668	486
59	UNIV OF PENNSYLVANIA	C W LLOYD	JSC	H VAN D	NAG 9 1161	448
59	UNIV OF PENNSYLVANIA	D RISEN	JSC	L M SHAPIRO	NAG 9 1357	448
59	UNIV OF PITTSBURGH	C W LLOYD	JSC	T H MONK	NAG 9 1036	450
59	UNIV OF PUERTO RICO - MAYAGUEZ	J SAYER	KSC	G COLON	NAG10 257	549
59	UNIV OF ROCHESTER	C TALLEY	MSFC	D WU	NAG 8 1382	388
59	UNIV OF SOUTHERN CALIFORNIA	B J WOOLFORD	JSC	U NEUMANN	NAG 9 1165	116
59	UNIV OF TENNESSEE - KNOXVILLE	F A CUCINOTTA	JSC	L W TOWNSEND	NAG 9 1123	465
59	UNIV OF TEXAS - EL PASO	F HORZ	JSC	L E MURR	NAG 9 1100	494
59	UNIV OF TEXAS	V SCHNEIDER	GSFC	B LEVINE	NAG 5 4846	484
59	UNIV OF TEXAS MED BRAN - GALVESTON	R BILLICA	JSC	J R DAVIS	NCC 9 81	483
59	UNIV OF TX-HLTH SCI CTR-SAN ANTONIO	W M KNOTT	KSC	M L WIEDERHOLD	NAG10 180	483
59	UNIV. OF TX-HLTH SCIENCE CTR-HOUSTON	M AVERNER	GSFC	E DURBAN	NAG 5 4710	484
59	UNIV. OF TX-HLTH SCIENCE CTR-HOUSTON	J MECK	JSC	R F LODATO	NCC 9 103	485

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59	UNIV OF WISCONSIN - LA CROSSE	J D SMITH	ARC	S O SENGER	NCC 2 1163	539
59	UNIV OF WYOMING	C LUNDQUIST	GSFC	R E GANTENBEIN	NAG 9 1176	547
59	UTAH STATE UNIV	R WHEELER	KSC	P GROSSEL	NGT10 52617	501
59	VANDERBILT UNIV	R GRUGEL	MSFC	A V ANIKUMER	NAG 8 1745	467
59	WASHINGTON STATE UNIV	M AVERNER	GSFC	B POOVAIAH	NAG 5 4841	536
59	WRIGHT STATE UNIV	R J WILLIAMS	GSFC	S R MOHLER	NGT 5 30091	423
61	CLEVELAND STATE UNIV	B GUYNES	MSFC	J M BELOVICH	NAG 8 1584	405
61	DREXEL UNIV	N PELLIS	JSC	P LELKES	NAG 9 1380	435
61	MOREHOUSE COLL	R RICHMOND	MSFC	G L SANFORD	NAG 8 1636	187
61	NY UNIV	A J AHUMADA	ARC	M S LANDY	NCC 2 5513	379
61	OLD DOMINION UNIV	A T POPE	LARC	F G FREEMAN	NGT 1 52219	514
61	OLD DOMINION UNIV	A T POPE	LARC	G D COATES	NGT 1 52220	515
61	RUTGERS STATE UNIV OF NJ NEW BRUNS	J B HARTLEY	GSFC	Z KOLBER	NAS 5 99138	355
61	STANFORD UNIV	R W REMINGTON	ARC	J E GABRIELI	NCC 2 5261	64
61	UNIV OF MICHIGAN - ANN ARBOR	C LLOYD	JSC	G L AMIDON	NAG 9 1154	313
61	UNIV OF PITTSBURGH	B GUYNES	MSFC	X L WU	NAG 8 1587	450
61	UNIV OF TENNESSEE - KNOXVILLE	A NURRIDDIN	HQ	G SAYLER	NGT 5 50206	466
62	FLORIDA A&M UNIV	R MCKINNEY	KSC	B MCCUNE	NAG10 248	162
62	GEORGIA INST OF TECH	J ORASANU	ARC	U M FISCHER	NCC 2 1332	184
62	HERITAGE COLL	R TRAVIS	SSC	J W FALCO	NAG13 99027	527
62	OLD DOMINION UNIV	P C SHUTTIE	LARC	D D DAVIS	NAG 1 2303	510
62	SAN FRANCISCO STATE UNIV	M E DUENAS	ARC	S UJLAKI	NCC 2 6059	54
62	SANTA CLARA UNIV	B KANKI	ARC	J TAYLOR	NCC 2 1156	58
62	TUSKEGEE UNIV	D BARTA	JSC	W A HILL	NCC 9 51	6
69	CARNEGIE - MELLON UNIV	J ORASANU	ARC	K CARLEY	NAG 2 1569	431
69	GEORGE MASON UNIV	S M CASNER	ARC	D B DAVIS	NAG 2 1289	503
69	GEORGIA INST OF TECH	J M ORASANU	ARC	U M FISCHER	NCC 2 1124	184
69	MASSACHUSETTS INST OF TECH	S C LOZITO	ARC	R J HANSMAN	NAG 2 1299	284
69	MASSACHUSETTS INST OF TECH	S C LOZITO	ARC	T B SHERIDAN	NAG 2 729	284
69	NEW MEXICO STATE UNIV - LAS CRUCES	J ORASANU	ARC	N J COOKE	NAG 2 1562	358
69	NY UNIV	A J AHUMADA	ARC	M LANDY	NCC 2 5417	378
69	NY UNIV	B L BEARD	ARC	M S LANDY	NCC 2 5472	378
69	NORTH CAROLINA STATE UNIV. - RALEIGH	I BARSHI	ARC	D H MERSHON	NAG 2 1281	394
69	NORTH CAROLINA STATE UNIV. - RALEIGH	L J PRINZEL	LARC	D KABER	NAG 1 01039	393
69	NORTH CAROLINA STATE UNIV. - RALEIGH	L J PRINZEL, III	LARC	D KABER	NGT 1 01004	396
69	NORTH CAROLINA STATE UNIV. - RALEIGH	L J PRINZEL	LARC	D B KABER	NAG 1 02056	394
69	NORTH CAROLINA STATE UNIV. - RALEIGH	P TROUTMAN	LARC	H K KHACHATOORIAN	NGT 1 02010	396
69	NORTHWESTERN UNIV	B G KANKI	ARC	E J CZEPIEL	NCC 2 1098	201
69	OHIO UNIV	J M ORASANU	ARC	C E MCCOY	NCC 2 1030	415
69	OHIO UNIV	J ORASANU	ARC	C E MCCOY	NCC 2 1258	415
69	OLD DOMINION UNIV	I BARSHI	ARC	D S MCNAMARA	NAG 2 1481	512
69	OLD DOMINION UNIV	A T POPE	LARC	T L DICKINSON	NAG 1 2252	510
69	OLD DOMINION UNIV	A T POPE	LARC	M SCERBO	NAG 1 02062	511
69	OLD DOMINION UNIV	A T POPE	LARC	F G FREEMAN	NCC 1 364	512
69	OLD DOMINION UNIV	J R COMSTOCK	LARC	J P BLISS	NGT 1 01019	514
69	OLD DOMINION UNIV	L J PRENZEL	LARC	F G FREEMAN	NGT 1 01015	514
69	OLD DOMINION UNIV	L J PRINZEL	LARC	F G FREEMAN	NCC 1 01012	513
69	OLD DOMINION UNIV	L J PRINZEL	LARC	F G FREEMAN	NGT 1 52231	515
69	OLD DOMINION UNIV	P C SCHUTTE	LARC	D D DOVES	NGT 1 01021	514
69	OLD DOMINION UNIV	P C SCHUTTE	LARC	M MIHALECZ	NGT 1 52230	515
69	OLD DOMINION UNIV	T PINELLI	LARC	G J MCAULIFFE	NGT 1 02020	514
69	OREGON GRADUATE INST OF SCI 0ECH	A J AHUMADA	ARC	M PAVEL	NCC 2 1190	426
69	OREGON GRADUATE INST OF SCI 0ECH	B L BEARD	ARC	M PAVEL	NCC 2 1215	426
69	PENN STATE UNIV. - UNIV. PARK	L J PRINZEL	LARC	W J RAY	NAG 1 2273	437
69	RICE UNIV	B L BEARD	ARC	M BYRNE	NCC 2 1219	472
69	RICE UNIV	D C FOYLE	ARC	M BYRNE	NCC 2 1321	473
69	SAN FRANCISCO STATE UNIV	J M ORASANU	ARC	K L MOSIER	NAG 2 1285	54
69	SAN JOSE STATE UNIV	B BEARD	ARC	K CORKER	NCC 2 1313	56
69	SAN JOSE STATE UNIV	D C FOYLE	ARC	K CORKER	NCC 2 1307	56
69	SAN JOSE STATE UNIV	D FOYLE	ARC	K CORKER	NAG 2 1563	55
69	SANTA CLARA UNIV	B KANKI	ARC	J C TAYLOR	NCC 2 1320	58
69	TEXAS A&M UNIV	S NASH-STEVEN	MSFC	S SMITH	NGT 8 52913	479
69	THE CATHOLIC UNIV OF AMERICA	L J PRINZEL	LARC	R PARASURAMAN	NAG 1 01066	154
69	THE CATHOLIC UNIV OF AMERICA	P C SHUTTE	LARC	S M GALSTER	NGT 1 52190	159

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69	UNIV OF AKRON	E RUTHRUFF	ARC	P ALLEN	NCC 2 1325	416
69	UNIV OF ARKANSAS - LITTLE ROCK	C SAWIN	JSC	P A TESCH	NAG 9 1061	39
69	UNIV OF CALIFORNIA - IRVINE	J MULLIGAN	ARC	T M DZMURA	NCC 2 5378	85
69	UNIV OF COLORADO - BOULDER	I BARSHI	ARC	A F HEALY	NCC 2 1112	138
69	UNIV OF COLORADO - BOULDER	I BARSHI	ARC	A F HEALY	NCC 2 1310	138
69	UNIV OF COLORADO - BOULDER	I BARSHI	ARC	L E BOURNE	NAG 2 1561	122
69	UNIV OF IDAHO - MOSCOW	B G KANKE	ARC	L T OSTROM	NCC 2 1174	198
69	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	B BEARD	ARC	C D WICKENS	NCC 2 1214	211
69	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	B L BEARD	ARC	C WICKENS	NCC 2 1293	211
69	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	D C FOYLE	ARC	C D WICKENS	NAG 2 1120	206
69	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	D FOYLE	ARC	C D WICKENS	NAG 2 1535	207
69	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	I BARSHI	ARC	H L TAYLOR	NAG 2 1282	206
69	UNIV OF MASSACHUSETTS - AMHERST	J M ORASANU	ARC	D FISHER	NAG 2 1551	298
69	UNIV OF NEVADA - RENO	J B MULLIGAN	ARC	M A CROGNALE	NCC 2 5503	339
69	UNIV OF OREGON - EUGENE	I BARSHI	ARC	R MAURO	NCC 2 1089	430
69	UNIV OF OREGON - EUGENE	I BARSHI	ARC	R MAURO	NCC 2 1304	430
69	UNIV OF VIRGINIA	M K KAISER	ARC	D R PROFFITT	NCC 2 1093	520
69	UNIV OF WEST FLORIDA	D C FOYLE	ARC	D L STILL	NAG 2 1225	177
69	UNIV OF WEST FLORIDA	J DEMAIO	ARC	A K RAJ	NAG 2 1490	177
69	WAYNE STATE UNIV	B KANKI	ARC	A BATTEAU	NCC 2 1318	317
71	RUTGERS STATE UNIV OF NJ NEW BRUNS	R TRAVIS	SSC	D HARRIS	NGT13 52758	356
71	TULANE UNIV	T TRAVIS	SSC	W ANDREWS	NGT13 52754	234
73	SOUTHWEST TEXAS STATE UNIV	W A LARSEN	JSC	K MARGERISON	NCC 9 54	474
74	WRIGHT STATE UNIV	J ORASANU	ARC	V SHALIN	NCC 2 1351	423
75	UNIV OF MARYLAND - COLL PARK	J BOYCE	HQ	L MUKHIN	NASW 00028	267
76	LAWSON STATE COMM COLL	W J LOVE	MSFC	B CRAWFORD	NAG 8 1871	5
79	ALBANY STATE UNIV	R J MCKINNEY	KSC	D HODGES-TILLER	NAG10 265	178
79	BETHUNE - COOKMAN COLL	W B WILLIAMS	KSC	A D TAYLOR	NAG10 269	159
79	FLA INTERNATIONAL UNIV	R MCKINNEY	KSC	C MENDEZ	NAG10 254	161
79	FLORIDA A&M UNIV	R J MCKINNEY	KSC	S C MOBLEY	NAG10 267	162
79	HAMPTON UNIV	R A HATHAWAY	LARC	R SCHWAN	NAG 1 2331	505
79	MIAMI-DADE COMM COLL	D CULBERTSON	KSC	E J PADRON	NAG10 282	167
79	SAVANNAH STATE UNIV	R J MCKINNEY	KSC	D SAJWAN	NAG10 266	188
79	TUSKEGEE UNIV	C D BLACK	KSC	H J FINDLAY	NAG10 298	6
79	UNIV OF MICHIGAN - ANN ARBOR	J F DOWDY	MSFC	H T WRIGHT	NGT 8 52864	316
99	ALABAMA A&M UNIV	C PERSON	GSFC	A MANU	NAG 5 9885	1
99	ALABAMA A&M UNIV	M WEI	GSFC	T COLEMAN	NAG 5 10721	1
99	ALABAMA A&M UNIV	G BUCKINGHAM	KSC	E TEMPLE	NAG10 324	2
99	ALBANY STATE UNIV	R F LAWRENCE	GRC	G WRENSFORD	NAG 3 2806	177
99	ALCORN STATE UNIV	N SULLIVAN	JSC	D ADDIE	NAG13 98010	322
99	AMERICAN RIVER COLL	D HALE	GSFC	S GRIFFITH	NAG 5 12576	40
99	ARIZONA STATE UNIV	A TUYAHOV	GSFC	D BOYER	NAG 5 10899	21
99	ARIZONA STATE UNIV	D SENSKE	GSFC	M A PRESLEY	NAG 5 10214	21
99	ARIZONA STATE UNIV	D SENSKE	GSFC	J FINK	NAG 5 11655	22
99	ARIZONA STATE UNIV	D SENSKE	GSFC	R GREELEY	NAG 5 11787	22
99	ARIZONA STATE UNIV	J BOYCE	GSFC	A S MCEWEN	NAG 5 10268	21
99	ARIZONA STATE UNIV	K BLANDING	GSFC	T SHARP	NGT 5 50276	23
99	ARIZONA STATE UNIV	M MEYER	GSFC	P KNAUTH	NAG 5 9430	20
99	ARIZONA STATE UNIV	M MEYER	GSFC	R BLANKENSHIP	NAG 5 10689	21
99	ARIZONA STATE UNIV	M MEYER	GSFC	E SHOCK	NAG 5 12543	22
99	AUBURN UNIV	J E DUDENHOEFER	GRC	D W BRANDHORST	NCC 3 511	3
99	AUBURN UNIV	S COLEMAN	MSFC	C MORIARTY	NCC 8 247	4
99	BALL STATE UNIV	D WICKLAND	GSFC	A F RAHMAN	NAG 5 11261	212
99	BARNARD COLL	L P CHAMBERS	GSFC	R SILVER	NAG 5 11863	363
99	BAYLOR COLL OF MED	C LLOYD	JSC	B A BRODY	NAG 9 1153	468
99	BETHUNE - COOKMAN COLL	S DUTCZAK	KSC	A LONG	NCC10 55	160
99	BLUEFIELD STATE COLL	M MATHEWS	GSFC	F WOOTEN BLANKS	NAG 5 11072	537
99	BOSTON COLL	W J WAGNER	GSFC	D F WEBB	NAG 5 10833	275
99	BOSTON UNIV	D WICKLAND	GSFC	R B MYNENI	NAG 5 10156	276
99	BOSTON UNIV	J HILLMAN	GSFC	M MENDILLO	NAG 5 12095	278
99	BOSTON UNIV	J SHARBER	GSFC	G ERICKSON	NAG 5 9110	276
99	BOSTON UNIV	J SHARBER	GSFC	M MENDILLO	NAG 5 10286	277
99	BOSTON UNIV	J SPANN	GSFC	H E SPENCE	NAG 5 12003	278
99	BOSTON UNIV	K BLANDING	GSFC	S KANDARIAN	NGT 5 50307	278
99	BOSTON UNIV	L SMITH	GSFC	M OPPENHEIM	NGT 5 50288	278
99	BOSTON UNIV	L SMITH	GSFC	L ODDSSON	NGT 5 50309	279

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99	BOSTON UNIV	M MELLOTT	GSFC	M OPPENHEIM	NAG 5 9444	276
99	BOSTON UNIV	M WEI	GSFC	C WOODSTOCK	NGT 5 30401	278
99	BOSTON UNIV	M WEI	GSFC	M FRIEDL	NGT 5 30405	278
99	BOSTON UNIV	M WEI	GSFC	R MYNENI	NGT 5 30462	278
99	BOSTON UNIV	P CRANE	GSFC	S CHAKRABARTI	NAG 5 11454	277
99	BOWIE STATE UNIV	C HOLLINGSWORTH	GSFC	V B GUILFORD	NAG 5 9843	236
99	BOWIE STATE UNIV	D MENCHAN	GSFC	D W CRIM	NAG 5 8370	236
99	BOWIE STATE UNIV	D MENCHAN	GSFC	D LANGDON	NAG 5 9458	236
99	BOWIE STATE UNIV	D MENCHAN	GSFC	D LANGDON	NAG 5 10697	236
99	BOWIE STATE UNIV	D MENCHAN	GSFC	D LANGDON	NAG 5 12165	237
99	BOWIE STATE UNIV	D MENCHAN	GSFC	J E TAYLOR	NAG 5 12237	237
99	BOWIE STATE UNIV	D MENCHAN	GSFC	E J DAVIS	NCC 5 516	237
99	BOWIE STATE UNIV	P CROUSE	GSFC	N WAKIM	NAG 5 8787	236
99	BOWLING GREEN STATE UNIV	V L KLOERIS	JSC	D L HENTGES	NAG 9 1186	400
99	BROWN UNIV	D D DETROYE	GSFC	P H SCHULTZ	NGT 5 40106	454
99	BROWN UNIV	D E SMITH	GSFC	J W HEAD	NAG 5 6144	452
99	BROWN UNIV	D SENSKE	GSFC	J W HEAD	NAG 5 11774	453
99	BROWN UNIV	D SENSKE	GSFC	J W HEAD	NAG 5 11775	453
99	BROWN UNIV	M MEYER	GSFC	P H SCHULTZ	NAG 5 12327	454
99	BROWN UNIV	K BLANDING	HQ	R BRANDENBERGER	NGT 5 50355	454
99	BROWN UNIV	H CARR	SSC	J F MUSTARD	NCC13 98005	454
99	CALIFORNIA INST OF TECH	B BETTS	GSFC	J L KIRSCHVINK	NAG 5 9687	44
99	CALIFORNIA INST OF TECH	D E SMITH	GSFC	D O MUHLEMAN	NAG 5 4437	41
99	CALIFORNIA INST OF TECH	D SENSKE	GSFC	T AHRENS	NAG 5 10198	44
99	CALIFORNIA INST OF TECH	G STRINGFELLOW	GSFC	J ZMUIDZINAS	NAG 5 9493	44
99	CALIFORNIA INST OF TECH	J BOYCE	GSFC	A P INGERSOLL	NAG 5 11214	46
99	CALIFORNIA INST OF TECH	J BREDEKAMP	GSFC	S DJORGOVSKI	NAG 5 9482	44
99	CALIFORNIA INST OF TECH	J BREDEKAMP	GSFC	S DJORGOVSKI	NAG 5 9603	44
99	CALIFORNIA INST OF TECH	J F SPANN	GSFC	Y L YUNG	NAG 5 10901	46
99	CALIFORNIA INST OF TECH	K BLANDING	GSFC	A ALBEE	NAG 5 11932	47
99	CALIFORNIA INST OF TECH	K BLANDING	GSFC	G BLAKE	NGT 5 50231	48
99	CALIFORNIA INST OF TECH	K BLANDING	GSFC	F CULICK	NGT 5 50280	48
99	CALIFORNIA INST OF TECH	K BLANDING	GSFC	N YEH	NGT 5 50308	48
99	CALIFORNIA INST OF TECH	K BLANDING	GSFC	M KAMIONKOWSKI	NGT 5 50339	49
99	CALIFORNIA INST OF TECH	K BLANDING	GSFC	A ALBEE	NGT 5 60003	49
99	CALIFORNIA INST OF TECH	L K SMITH	GSFC	A LANGE	NGT 5 50278	48
99	CALIFORNIA INST OF TECH	L SMITH	GSFC	A LANGE	NGT 5 50249	48
99	CALIFORNIA INST OF TECH	M WEI	GSFC	J STOCK	NGT 5 30393	48
99	CALIFORNIA INST OF TECH	M WEI	GSFC	M SIMONS	NGT 5 30407	48
99	CALIFORNIA INST OF TECH	M WEI	GSFC	M OKUMURA	NGT 5 30452	48
99	CALIFORNIA INST OF TECH	P E HUNTER	GSFC	R BRUNNER	NAG 5 12000	47
99	CALIFORNIA INST OF TECH	T MORGAN	GSFC	M BROWN	NAG 5 11273	46
99	CALIFORNIA INST OF TECH	W WAGNER	GSFC	C S COHEN	NAG 5 12492	47
99	CALIFORNIA INST OF TECH	J BOYCE	HQ	A ALBEE	NAG 5 11257	46
99	CALIFORNIA STATE UNIV - LONG BEACH	M PHELPS	GSFC	R WEST	NAG 5 12361	50
99	CALIFORNIA STATE UNIV - LOS ANGELES	M MCCARTY	DFRC	T ADENIKA-MORROW	NAG 4 173	50
99	CALIFORNIA STATE UNIV - LOS ANGELES	B WHITE	GSFC	T ADENIKA-MORROW	NCC 5 439	51
99	CALIFORNIA STATE UNIV - LOS ANGELES	J MALONE	GSFC	H R BOUSSALIS	NAG 5 8889	51
99	CALIFORNIA STATE UNIV - LOS ANGELES	M STOUTSENBERGER	GSFC	M EPSTEIN	NAG 5 9160	51
99	CALIFORNIA STATE UNIV - NORTHRIDGE	M MCCARTHY	DFRC	W FURUMOTO	NAG 4 162	51
99	CALIFORNIA STATE UNIV - NORTHRIDGE	C PERSON	GSFC	S RENGARAJAN	NAG 5 9726	51
99	CALIFORNIA STATE UNIV - NORTHRIDGE	C PERSON	GSFC	B BAVARIAN	NCC 5 513	51
99	CALIFORNIA STATE UNIV - NORTHRIDGE	M MATTHEWS	GSFC	C SHUBIN	NCC 5 489	51
99	CALIFORNIA STATE UNIV	M MC CARTHY	DFRC	E KRINSKY	NAG 4 161	52
99	CALIFORNIA STATE UNIV	C HILL	JSC	C LEE	NAG13 99010	52
99	CAPITOL COLL	D MENCHAN	GSFC	H JARRELL	NAG 5 12066	237
99	CARNEGIE - MELLON UNIV	D SMITH	ARC	R SIMMONS	NGT 2 52286	434
99	CARNEGIE - MELLON UNIV	J BREDEKAMP	GSFC	C GLYMOUR	NAG 5 9309	431
99	CARNEGIE - MELLON UNIV	K BLANDING	GSFC	A W MOORE	NGT 5 50279	434
99	CARNEGIE - MELLON UNIV	P E HUNTER	GSFC	R NICHOL	NAG 5 10740	432
99	CARNEGIE - MELLON UNIV	P E HUNTER	GSFC	C GLYMOUR	NAG 5 11998	432
99	CARNEGIE - MELLON UNIV	R E GABRYS	GSFC	P COPPIN	NCC 5 431	434
99	CARNEGIE - MELLON UNIV	A KEYS	MSFC	L R CARLEY	NAG 8 1799	432
99	CASE WESTERN RESERVE UNIV	G STRINGFELLOW	GSFC	G STARKMAN	NAG 5 11059	401
99	CASE WESTERN RESERVE UNIV	K BLANDING	GSFC	J T'IEN	NGT 5 50369	404
99	CASE WESTERN RESERVE UNIV	K BLANDING	GSFC	R QUINN	NGT 5 50413	404

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99	CAYUGA COUNTY COMM COLL	W DAMAGGIO	SSC	M FLINTON	NAG13 02053	364
99	CHICAGO STATE UNIV	C HOLLINGSWORTH	GSFC	J RICHARD	NAG 5 12091	198
99	CHRISTOPHER NEWPORT UNIV	D GABRYS	GSFC	D B CATON	NCC 5 435	502
99	CHRISTOPHER NEWPORT UNIV	D BUSHNELL	LARC	L LAMBERT	NAG 1 2284	501
99	CITY U COL OF NY YORK COLL	M STOUTSENBERGER	GSFC	J SCHEIN	NAG 5 7532	364
99	CITY UNIV OF NY CITY COLL	R F LAWRENCE	GRC	L P JOHNSON	NAG 3 2258	364
99	CITY UNIV OF NY CITY COLL	C PERSON	GSFC	F MOSHARY	NAG 5 9732	365
99	CITY UNIV OF NY CITY COLL	J HARRINGTON	GSFC	S AUSTIN	NCC 5 530	366
99	CITY UNIV OF NY CITY COLL	M MATEU	GSFC	J BARBA	NAG 5 4911	365
99	CITY UNIV OF NY CITY COLL	M MATEU	GSFC	J BARBA	NAG 5 10845	365
99	CITY UNIV OF NY CITY COLL	B WHITE	HQ	R KHANBILVARDI	NCC 5 344	365
99	CITY UNIV OF NY SYSTEM	M MATEU	GSFC	J BARBA	NAG 5 12280	366
99	CITY UNIV OF NY HERBERT H. LEHMAN COLL	R F LAWRENCE	GRC	A L ROTHSETIN	NAG 3 2268	364
99	CLAFLIN COLL	C PERSON	GSFC	A WILLIAMS	NAG 5 11761	456
99	CLARK ATLANTA UNIV	H HASAN	GSFC	S S TAYAL	NAG 5 11434	178
99	CLARK ATLANTA UNIV	M MATEU	GSFC	B FLOURNOY	NCC 5 666	179
99	CLARK ATLANTA UNIV	M MATHEWS	GSFC	C H WILLIAMS	NCC 5 347	178
99	CLARK ATLANTA UNIV	A C BEAM	MSFC	B E ALICK	NAG 8 1535	178
99	CLARK UNIV	G GUTMAN	GSFC	B TURNER	NAG 5 11134	279
99	CLARK UNIV	M Y WEI	GSFC	L LEWIS	NGT 5 30061	279
99	CLEMSON UNIV - CLEMSON	J KU	GSFC	D M OCHTERBECK	NAG 5 10367	457
99	CLEMSON UNIV - CLEMSON	M MELLOTT	GSFC	M HICKEY	NAG 5 10251	457
99	CLEMSON UNIV - CLEMSON	S DAVISON	GSFC	I D WALKER	NAG 5 8759	457
99	CLEVELAND STATE UNIV	D WHITE	GRC	D M KOCHER	NAG 3 2296	404
99	CLEVELAND STATE UNIV	M L BOROWSKI	GRC	P CHARITY	NAG 3 2075	404
99	COLL OF CHARLESTON	D DETROYE	GSFC	M COLGAN	NCC 5 413	459
99	COLL OF CHARLESTON	D DETROYE	GSFC	M COLGAN	NGT 5 40099	459
99	COLL OF CHARLESTON	DDETROYE	GSFC	M COLGAN	NCC 5 575	459
99	COLL OF CHARLESTON	L KEFFER	GSFC	M COLGAN	NGT 5 40050	459
99	COLL OF CHARLESTON	P SAKIMOTO	GSFC	C RUNYON	NCC 5 607	459
99	COLL OF SANTA FE	L ARMENDARIZ	JSC	B COLEMAN	NAG 9 1066	356
99	COLL OF WILLIAM AND MARY	T E PINELLI	LARC	M HINDERS	NGT 1 52204	503
99	COLORADO SCH OF MINES	D MCKAY	JSC	M B DUKE	NAG 9 1207	117
99	COLORADO STATE UNIV	J BOYCE	GSFC	H PERKON	NAG 5 11280	119
99	COLORADO STATE UNIV	K BLANDING	GSFC	J NELSON	NGT 5 50164	121
99	COLORADO STATE UNIV	M MELLOTT	GSFC	C SHE	NAG 5 10076	118
99	COLORADO STATE UNIV	M WEI	GSFC	R PIELKE	NGT 5 30344	120
99	COLORADO STATE UNIV	M WEI	GSFC	W LAUENROTH	NGT 5 30438	121
99	COLORADO STATE UNIV	M WEI	GSFC	G STEPHENS	NGT 5 30458	121
99	COLUMBIA UNIV	K E BLANDING	GSFC	S KAHN	NGT 5 50353	371
99	COLUMBIA UNIV	M WEI	GSFC	D PETEET	NGT 5 30226	370
99	COLUMBIA UNIV	M WEI	GSFC	M VISBECK	NGT 5 30442	371
99	COLUMBIA UNIV	M WEI	GSFC	M A CANE	NGT 5 30465	371
99	COLUMBIA UNIV	W ABDALATI	GSFC	X YUAN	NAG 5 8725	368
99	COLUMBIA UNIV	K BLANDING	HQ	C HAILEY	NGT 5 50392	371
99	COPPIN STATE COLL	D MENCHAN	GSFC	D C WILSON	NAG 5 11846	237
99	CORNELL UNIV	D D DETROYE	GSFC	Y TERZIAN	NGT 5 40078	377
99	CORNELL UNIV	D SENSKE	GSFC	P THOMAS	NAG 5 10168	374
99	CORNELL UNIV	G ASRAR	GSFC	B ISACKS	NGT 5 30126	377
99	CORNELL UNIV	G STRINGFELLOW	GSFC	S EIKENBERRY	NAG 5 10356	374
99	CORNELL UNIV	J BOYCE	GSFC	D BANFIELD	NAG 5 12187	375
99	CORNELL UNIV	J HILLMAN	GSFC	D J BANFIELD	NAG 5 12470	375
99	CORNELL UNIV	J Q SPANN	GSFC	M PSIAKI	NAG 5 12211	375
99	CORNELL UNIV	K BLANDING	GSFC	M H VAN DER MUELEN	NGT 5 50375	377
99	CORNELL UNIV	M MEYER	GSFC	D A USHER	NAG 5 12332	375
99	CORNELL UNIV	M WEI	GSFC	T JORDAN	NGT 5 30461	377
99	CORNELL UNIV	P E HUNTER	GSFC	T LOREDO	NAG 5 12082	375
99	CORNELL UNIV	S DAVISON	GSFC	C MONTEEMAGNO	NAG 5 8775	373
99	CORNELL UNIV	K BLANDING	HQ	J HOUCK	NGT 5 50390	377
99	CORNELL UNIV	R V MORRIS	JSC	R V MORRIS	NCC 9 89	376
99	CUYAHOGA COMM COLL	R L BONDURANT	GRC	L L DARLING	NAS 3 98099	408
99	CUYAHOGA COMM COLL	R ROMERO	GRC	T L BUTLER	NAG 3 2663	407
99	CUYAHOGA COMM COLL	C HOLLINGSWORTH	GSFC	A JOHNSON	NAG 5 12154	407
99	CUYAHOGA COMM COLL	M MICK	SSC	R BROWER	NAG13 02059	408

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99	DARTMOUTH COLL	J SPANN	GSFC	B O SONNERUP	NAG 5 12005	340
99	DARTMOUTH COLL	J SPANN	GSFC	M K HUDSON	NAG 5 12202	340
99	DARTMOUTH COLL	J SPANN	GSFC	M HUDSON	NGT 5 50403	341
99	DARTMOUTH COLL	M MELLOTT	GSFC	A V STRELTSOV	NAG 5 10216	340
99	DARTMOUTH COLL	M MELLOTT	GSFC	M R LESSARD	NAG 5 10219	340
99	DENISON UNIV	J HILLMAN	GSFC	M E MICKELSON	NAG 5 11966	408
99	DINE COLL (FORMERLY NAVAJO COMM COLL)	R TRAVIS	JSC	D ISELY	NAG13 99028	23
99	DUKE UNIV	J SPANN	GSFC	S A CUMMER	NAG 5 12072	389
99	DUKE UNIV	L SMITH	GSFC	G TRUSKEY	NGT 5 50266	390
99	DUKE UNIV	M MELLOTT	GSFC	S CUMMER	NAG 5 10270	389
99	DUKE UNIV	M MEYER	GSFC	D MCSHEA	NAG 5 12336	389
99	DUKE UNIV	M WEI	GSFC	S ROJSTACZER	NGT 5 30379	390
99	DUKE UNIV	M WEI	GSFC	W H SCHESSINGER	NGT 5 30397	390
99	DUKE UNIV	M WEI	GSFC	N L CHRISTENSEN	NGT 5 30472	390
99	DUKE UNIV	M GERNHARDT	JSC	R VANN	NCC 9 83	390
99	EAST NEW MEX. UNIV - MAIN CAMP	L ARMENDARIZ	JSC	J MILLER	NAG 9 1255	356
99	ELIZABETH CITY STATE UNIV	D MENCHAN	GSFC	W PORTER	NAG 5 11842	391
99	ELIZABETH CITY STATE UNIV	J HARRINGTON	GSFC	L HAYDEN	NCC 5 533	391
99	EMBRY-RIDDLE AERONAUTICAL UNIV	M MELLOTT	GSFC	G G SIVJEE	NAG 5 10066	160
99	ESTRELLA MOUNTAIN COMM COLL	M MATEU	HQ	M REYES	NAG 5 12476	23
99	FAYETTEVILLE STATE UNIV	M STOUTSENBERGER	GSFC	L EDWARDS	NAG 5 9155	391
99	FISK UNIV	C HUA SU	MSFC	A BURGER	NCC 8 195	462
99	FLA INTERNATIONAL UNIV	A CARDENAS	ARC	X HE	NAG 2 1440	160
99	FLA INTERNATIONAL UNIV	H T STEWART	ARC	I R FERNANDEZ	NAG 2 1384	160
99	FLA INTERNATIONAL UNIV	D MENCHAN	GSFC	N RISHE	NAG 5 9478	160
99	FLA INTERNATIONAL UNIV	M MATEU	GSFC	C MENDEZ	NCC 5 663	161
99	FLA INTERNATIONAL UNIV	H BURSIAN	KSC	G A ROIG	NAG10 311	161
99	FLA INTERNATIONAL UNIV	R MC KINNEY	KSC	C MENDEZ	NAG10 251	161
99	FLORIDA A&M UNIV	B J COLLINS	ARC	M ENCINOSA	NAG 2 1439	161
99	FLORIDA A&M UNIV	J E BOYD	GRC	F S HUMPHRIES	NAG 3 1759	162
99	FLORIDA A&M UNIV	J MALONE	GSFC	J H AMMONS	NAG 5 9119	162
99	FLORIDA A&M UNIV	J MALONE	GSFC	J ZHENG	NAG 5 9420	162
99	FLORIDA A&M UNIV	J MALONE	GSFC	B KELLY	NAG 5 10726	162
99	FLORIDA A&M UNIV	E JOHNSON	KSC	B SAMUELS	NAG10 242	162
99	FLORIDA INST OF TECH	L SMITH	GSFC	C HELMSTETTER	NGT 5 50257	163
99	FLORIDA INST OF TECH	L SMITH	GSFC	T OSWALT	NGT 5 50290	164
99	FLORIDA INST OF TECH	W WAGNER	GSFC	M ZHANG	NAG 5 11036	163
99	FLORIDA STATE UNIV	M WEI	GSFC	J O'BRIEN	NGT 5 30370	167
99	FLORIDA STATE UNIV	M WEI	GSFC	J C CAIN	NGT 5 30454	167
99	FOOTHILL-DE ANZA COM COLL SYSTEM OFF	G JAMES	ARC	V K SERMON	NGT 2 52280	52
99	FOOTHILL-DE ANZA COM COLL SYSTEM OFF	M E LOPEZ	ARC	M CONWAY	NGT 2 1001	52
99	FRANKLIN-MARSHALL COLL	L CAROFF	ARC	D BACKMAN	NCC 2 5365	436
99	FURMAN UNIV	R K DISMUKES	ARC	G O EINSTEIN	NCC 2 1085	459
99	GEORGE MASON UNIV	A J MATURO	GSFC	R R STOUGH	NCC 5 360	505
99	GEORGE MASON UNIV	H HASSAN	GSFC	S SATYAPAL	NAG 5 11432	504
99	GEORGE MASON UNIV	M MAIDEN	GSFC	M KAFATOS	NCC 5 306	505
99	GEORGE MASON UNIV	M MELLOTT	GSFC	M E SUMMERS	NAG 5 9669	504
99	GEORGE MASON UNIV	M GIARDINO	SSC	M KAFATOS	NAG13 02054	505
99	GEORGE WASHINGTON UNIV	G BLANEY	GSFC	M PHILLIPS	NAG 5 11317	151
99	GEORGE WASHINGTON UNIV	J BOYCE	GSFC	G KEATING	NAG 5 11175	151
99	GEORGE WASHINGTON UNIV	J I TROMBKA	GSFC	D A ROWLEY	NAG 5 10417	150
99	GEORGE WASHINGTON UNIV	P E O'NEIL	GSFC	R LANG	NAG 5 12264	151
99	GEORGE WASHINGTON UNIV	R A HATHAWAY	LARC	J WHITESIDES	NCC 1 01020	152
99	GEORGE WASHINGTON UNIV	D JAN	NMO	J H MILLER	NAG 9 1185	151
99	GEORGIA INST OF TECH	I STATLER	ARC	A R PRITCHETT	NCC 2 1306	184
99	GEORGIA INST OF TECH	K GUPTA	DFRC	W M HADDAD	NGT 4 52434	185
99	GEORGIA INST OF TECH	D D DETROYE	GSFC	E ARMANIOS	NGT 5 40116	186
99	GEORGIA INST OF TECH	J HILLMAN	GSFC	P G STEFFES	NAG 5 12122	182
99	GEORGIA INST OF TECH	K BLANDING	GSFC	P NEITZEL	NGT 5 50363	186
99	GEORGIA INST OF TECH	L SMITH	GSFC	R FUJIMOTO	NGT 5 50284	186
99	GEORGIA INST OF TECH	M WEI	GSFC	L HUEY	NGT 5 30384	185
99	GEORGIA INST OF TECH	P DECOLA	GSFC	Y WANG	NAG 5 12498	182
99	GEORGIA INST OF TECH	C GRIFFIN	KSC	D BRIDGES	NAS10 01025	183
99	GEORGIA INST OF TECH	J E GARDNER	LARC	B V GIBBENS	NGT 1 52162	185
99	GEORGIA INST OF TECH	J HOWELL	MSFC	J OLDS	NAG 8 1713	182
99	GEORGIA INST OF TECH	S COLEMAN	MSFC	J L GODDARD	NCC 8 253	184

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99	GEORGIA SOUTHERN UNIV	J HILLMAN	GSFC	M S KELLEY	NAG 5 12445	186
99	GLENDALE COMM COLL	H KASS	GSFC	L SEROT	NAG 5 9700	52
99	HAMPTON UNIV	B W MEESON	GSFC	J RUSSELL	NAG 5 11126	507
99	HAMPTON UNIV	C P HOLMES	GSFC	S M BAILEY	NAG 5 10063	507
99	HAMPTON UNIV	M MATHEWS	GSFC	T A CHYBA	NCC 5 348	508
99	HAMPTON UNIV	M STOUTSENBERGER	GSFC	C RANKINS	NAG 5 9156	506
99	HAMPTON UNIV	N KHAZENIE	GSFC	D A TEMPLE	NAG 5 6296	506
99	HAMPTON UNIV	P S BOELLNER	GSFC	C L REAVES	NAG 5 10015	507
99	HAMPTON UNIV	R A HATHAWAY	LARC	R SCHWAN	NAG 1 01089	506
99	HAMPTON UNIV	R A HATHAWAY	LARC	R SCHWAN	NCC 1 01034	507
99	HAMPTON UNIV	R HATHAWAY	LARC	D DEPRIEST	NCC 1 358	507
99	HARVARD UNIV	D E WICKLAND	GSFC	S C WOFSY	NAG 5 11154	282
99	HARVARD UNIV	L SMITH	GSFC	W H PARKINSON	NGT 5 50258	283
99	HARVARD UNIV	M WEI	GSFC	S WOFSY	NGT 5 30366	283
99	HARVARD UNIV	M WEI	GSFC	J ANDERSON	NGT 5 30410	283
99	HARVARD UNIV	M WEI	GSFC	D JACOB	NGT 5 30466	283
99	HARVARD UNIV	P DECOLA	GSFC	D JACOB	NAG 5 11270	282
99	HARVARD UNIV	P R HOUSER	GSFC	A P BARROS	NAG 5 10792	281
99	HEIDELBERG COLL	F SAVINO	GRC	D A KRIEGER	NAG 3 2768	408
99	HERITAGE COLL	A CARDENAS	ARC	P T ALEXANDER	NAG 2 6034	526
99	HOUSTON COMM COLL	M MATEU	GSFC	C GARCIA	NAG 5 8566	469
99	HOUSTON COMM COLL	M MATEU	GSFC	C GARCIA	NAG 5 10239	469
99	HOWARD UNIV	G COOPER	ARC	P HAMBRIGHT	NAG 2 1526	152
99	HOWARD UNIV	C PERSON	GSFC	A N THORPE	NAG 5 10675	153
99	HOWARD UNIV	C PERSON	GSFC	A THORPE	NAG 5 12021	153
99	HOWARD UNIV	D MENCHAN	GSFC	W WOODARD	NAG 5 9279	153
99	HOWARD UNIV	D MENCHAN	GSFC	M C WOODARD	NAG 5 10838	153
99	HOWARD UNIV	DMENCHAN	GSFC	D WOODARD	NAG 5 12172	153
99	HOWARD UNIV	G A SOFFEN	GSFC	A N THORPE	NCC 5 184	153
99	HOWARD UNIV	M S BURRELL	GSFC	J B HALPERN	NGT 5 77	154
99	HOWARD UNIV	M S BURRELL	GSFC	J B HALPERN	NGT 5 113	154
99	HOWARD UNIV	N KHAZANIE	GSFC	V M MORRIS	NAG 5 9175	152
99	ILLINOIS STATE UNIV	J SHARBER	GSFC	D HOLLAND	NAG 5 9584	198
99	INDIANA UNIV - BLOOMINGTON	M MEYER	GSFC	D H BURKE	NAG 5 12360	213
99	INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS	K BLANDING	GSFC	R DUNCAN	NGT 5 50366	212
99	INDIANA UNIV.-PURDUE U. AT INDIANAPOLIS	K BLANDING	GSFC	W WAGNER	NGT 5 50373	213
99	INTER AMER UNIV OF PR - AGUADILLA	M STOUTSENBERGER	HQ	R GONZALEZ	NAG 5 9311	377
99	IOWA STATE UNIV	D D DETROYE	GSFC	W J BYRD	NGT 5 40081	222
99	JACKSON STATE UNIV	M MATEU	GSFC	C CRAIG	NCC 5 667	323
99	JACKSON STATE UNIV	A JOYCE	SSC	A K MOHAMED	NAG13 98007	322
99	JACKSON STATE UNIV	A JOYCE	SSC	H GORE	NAG13 99004	322
99	JACKSON STATE UNIV	R P TRAVIS	SSC	A K MOHAMED	NAG13 02056	322
99	JACKSONVILLE STATE UNIV	K BLANDING	GSFC	T HUDDLESTON	NAG 5 12251	4
99	JAMES MADISON UNIV	J JOHNSON	GSFC	J BLANDINO	NAG 5 10701	508
99	JAMES MADISON UNIV	R A HATHAWAY	LARC	A A TEATE	NAG 1 2155	508
99	JOHNS HOPKINS UNIV	D D DETROYE	GSFC	R C HENRY	NGT 5 40079	251
99	JOHNS HOPKINS UNIV	J F SPANN	GSFC	J M RUOHONIEMI	NAG 5 10902	245
99	JOHNS HOPKINS UNIV	J HILLMAN	GSFC	X ZHU	NAG 5 11962	248
99	JOHNS HOPKINS UNIV	J HILLMAN	GSFC	D F STROBEL	NAG 5 12051	248
99	JOHNS HOPKINS UNIV	J Q SPANN	GSFC	K TAKAHASHI	NAG 5 12201	248
99	JOHNS HOPKINS UNIV	J SHARBER	GSFC	K TAKAHASHI	NAG 5 8964	242
99	JOHNS HOPKINS UNIV	J SHARBER	GSFC	B MAUK	NAG 5 10281	244
99	JOHNS HOPKINS UNIV	J SHARBER	GSFC	S OHTANI	NAG 5 10941	246
99	JOHNS HOPKINS UNIV	J SPANN	GSFC	S OHTANI	NAG 5 12050	248
99	JOHNS HOPKINS UNIV	J SPANN	GSFC	J SHUE	NAG 5 12108	248
99	JOHNS HOPKINS UNIV	JSHARBER	GSFC	D G SIBECK	NAG 5 10285	244
99	JOHNS HOPKINS UNIV	K BLANDING	GSFC	P C SEARSON	NGT 5 50372	251
99	JOHNS HOPKINS UNIV	L SMITH	GSFC	K J STEBE	NGT 5 50259	251
99	JOHNS HOPKINS UNIV	L SMITH	GSFC	K J STEBE	NGT 5 50268	251
99	JOHNS HOPKINS UNIV	M KURYLO	GSFC	S A LLOYD	NAG 5 11035	246
99	JOHNS HOPKINS UNIV	M MELLOTT	GSFC	R A GREENWALD	NAG 5 10060	243
99	JOHNS HOPKINS UNIV	M MEYER	GSFC	W B BRINCKERHOFF	NAG 5 12169	248
99	JOHNS HOPKINS UNIV	M MEYER	GSFC	W B BRINCKERHOFF	NAG 5 12354	249
99	JOHNS HOPKINS UNIV	M MEYER	GSFC	W B BRINCKERHOFF	NAG 5 12363	249
99	JOHNS HOPKINS UNIV	P CRANE	GSFC	S R MCCANDLISS	NAG 5 11456	247
99	JOHNS HOPKINS UNIV	P DECOLA	GSFC	D WAUCH	NAG 5 11283	246

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99	JOHNS HOPKINS UNIV	P DECOLA	GSFC	W SWARTZ	NAG 5 11297	246
99	JOHNS HOPKINS UNIV	P E HUNTER	GSFC	A R THAKAR	NAG 5 12092	248
99	JOHNS HOPKINS UNIV	P EHUNTER	GSFC	D SIBECK	NAG 5 12085	248
99	JOHNS HOPKINS UNIV	T MORGAN	GSFC	B MAUK	NAG 5 12224	249
99	JOHNS HOPKINS UNIV	W ABDALATI	GSFC	R RANEY	NAG 5 10261	243
99	JOHNS HOPKINS UNIV	W J WAGNER	GSFC	D LARIO	NAG 5 10787	245
99	JOHNS HOPKINS UNIV	W J WAGNER	GSFC	G HO	NAG 5 10836	245
99	JOHNS HOPKINS UNIV	W WAGNER	GSFC	D HAGGERTY	NAG 5 12479	249
99	LAWSON STATE COMM COLL	C PERSON	GSFC	B CRAWFORD	NAG 5 11986	5
99	LEHIGH UNIV	K BLANDING	GSFC	F J PAZZAGLIA	NGT 5 50418	436
99	LINCOLN UNIV - PA.	D MENCHAN	GSFC	R LANGLEY	NAG 5 10172	436
99	LINCOLN UNIV - PA.	M MATEU	GSFC	O RICHARD	NCC 5 662	436
99	LOUISIANA STATE UNIV - BATON ROUGE	D DETROYE	GSFC	J P WEFEL	NCC 5 167	231
99	LOUISIANA STATE UNIV - BATON ROUGE	D DETROY	HQ	J WEFEL	NCC 5 393	231
99	LOUISIANA STATE UNIV - BATON ROUGE	D DETROYE	HQ	J WEFEL	NGT 5 40115	231
99	MARIST COLL	M MEYER	GSFC	R KEPNER	NAG 5 9889	377
99	MARQUETTE UNIV	C W LLOYD	JSC	R H FITTS	NAG 9 1156	539
99	MASSACHUSETTS INST OF TECH	D D DETROYE	GSFC	L YOUNG	NGT 5 40075	296
99	MASSACHUSETTS INST OF TECH	D E SMITH	GSFC	G H PETTENGILL	NAG 5 4434	287
99	MASSACHUSETTS INST OF TECH	D E SMITH	GSFC	M T ZUBER	NAG 5 4806	287
99	MASSACHUSETTS INST OF TECH	D E SMITH	GSFC	M T ZUBER	NAG 5 11113	291
99	MASSACHUSETTS INST OF TECH	D SENKE	GSFC	A RIVKIN	NAG 5 10328	290
99	MASSACHUSETTS INST OF TECH	D SPEARS	GSFC	D PRITCHARD	NAG 5 12515	292
99	MASSACHUSETTS INST OF TECH	J HILLMAN	GSFC	R BINZEL	NAG 5 12355	292
99	MASSACHUSETTS INST OF TECH	K BLANDING	GSFC	J B HOWARD	NGT 5 50302	296
99	MASSACHUSETTS INST OF TECH	K BLANDING	GSFC	B C WILLIAMS	NGT 5 50411	296
99	MASSACHUSETTS INST OF TECH	K BLANDING	GSFC	R WALSWORTH	NGT 5 50414	296
99	MASSACHUSETTS INST OF TECH	L SMITH	GSFC	M FLEMINGS	NGT 5 50306	296
99	MASSACHUSETTS INST OF TECH	M KURYLO	GSFC	J I STEINFELD	NAG 5 10613	290
99	MASSACHUSETTS INST OF TECH	M MEYER	GSFC	J GROTZINGER	NAG 5 9445	289
99	MASSACHUSETTS INST OF TECH	M MEYER	GSFC	R SUMMONS	NAG 5 12356	292
99	MASSACHUSETTS INST OF TECH	M SALAMON	GSFC	S A RAPPORT	NAG 5 12522	292
99	MASSACHUSETTS INST OF TECH	M SISTILLI	GSFC	S C TING	NAG 5 10711	290
99	MASSACHUSETTS INST OF TECH	M WEI	GSFC	R BRAS	NGT 5 30469	296
99	MASSACHUSETTS INST OF TECH	P DECOLA	GSFC	R A PLUMB	NAG 5 11285	291
99	MASSACHUSETTS INST OF TECH	R CROUCH	GSFC	G MCKINLEY	NAG 5 8776	288
99	MASSACHUSETTS INST OF TECH	T MATURO	GSFC	J KLEIN	NAG 5 11268	291
99	MEDGAR EVERS COLL	M STOUTSENBERGER	HQ	L JOHNSON	NAG 5 9256	377
99	MEHARRY MEDICAL COLL	C PERSON	GSFC	M F LIMA	NAG 5 12093	462
99	MICHIGAN STATE UNIV	R GRYMES	ARC	M THOMASHOW	NCC 2 1274	305
99	MICHIGAN STATE UNIV	S OLSON	GRC	I S WICHMAN	NCC 3 662	305
99	MICHIGAN STATE UNIV	G GUTMAN	GSFC	J LIU	NAG 5 10200	304
99	MICHIGAN STATE UNIV	K BLANDING	GSFC	P PIERRE	NGT 5 50378	305
99	MICHIGAN STATE UNIV	M MAIDEN	GSFC	D SKOLE	NCC 5 303	305
99	MICHIGAN STATE UNIV	W WAGNER	GSFC	R F STEIN	NAG 5 12450	304
99	MICHIGAN STATE UNIV	A NURRIDDIN	HQ	P WEBBER	NGT 5 50150	305
99	MICHIGAN STATE UNIV	D S MCKAY	JSC	M A VELBEL	NAG 9 1211	305
99	MICHIGAN TECHNOLOGICAL UNIV	M WEI	GSFC	R SHAW	NAG 5 10568	306
99	MIDDLE TENNESSEE STATE UNIV	L BILBROUGH	GSFC	E R PHILLIPS	NAG 5 11692	462
99	MIDDLE TENNESSEE STATE UNIV	L BILBROUGH	GSFC	E KLUMPE	NAG 5 12561	462
99	MISSISSIPPI STATE UNIV	M MATHEWS	GSFC	B JOINER	NAG 5 11127	323
99	MISSISSIPPI STATE UNIV	R MCKELLIP	SSC	D SHAW	NCC13 99001	323
99	MISSISSIPPI VALLEY STATE UNIV.	C PERSON	GSFC	C BLAND	NAG 5 9535	324
99	MISSISSIPPI VALLEY STATE UNIV.	M MATEU	GSFC	O CATHEY	NCC 5 665	324
99	MISSISSIPPI VALLEY STATE UNIV.	M STOUTSENBERGER	GSFC	C G BLAND	NAG 5 9197	323
99	MISSISSIPPI VALLEY STATE UNIV.	N S SULLIVAN	SSC	S J WHITE	NAG13 99003	324
99	MONTANA STATE UNIV	R A GRYMES	ARC	D L DICKENSHEETS	NCC 2 5437	333
99	MONTANA STATE UNIV	D D DETROYE	GSFC	W HISCOCK	NGT 5 40092	334
99	MONTANA STATE UNIV	D DETROYE	GSFC	W HISCOCK	NCC 5 410	333
99	MONTANA STATE UNIV	D DETROYE	GSFC	W HISCOCK	NCC 5 579	333
99	MONTANA STATE UNIV	L SMITH	GSFC	J C PRISCU	NGT 5 50297	334
99	MONTANA STATE UNIV	M SALAMON	GSFC	R HELLINGS	NAG 5 11467	333
99	MONTANA STATE UNIV	M SALAMON	GSFC	R HELLINGS	NAG 5 11469	333
99	MONTANA STATE UNIV	M V PHELPS	GSFC	G TUTHILL	NAG 5 4576	332
99	MONTANA STATE UNIV	W WALTER	GSFC	D LONGCOPE	NAG 5 10489	332
99	MONTANA STATE UNIV	D JAN	JPL	B H PYLE	NAG 9 1082	333

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99	MONTANA STATE UNIV	K LASSMAN	JSC	W SWEARINGEN	NCC 9 44	334
99	MOREHOUSE SCH MED	A J CARDENAS	ARC	M THIERRY-PALMER	NAG 2 1381	187
99	MOREHOUSE SCH MED	C E WADE	ARC	B J KLEMENT	NAG 2 1448	187
99	MORGAN STATE UNIV	B WHITE	GSFC	E N ISUK	NAG 5 10947	252
99	MORGAN STATE UNIV	C PERSON	GSFC	D N WILLIAMS	NAG 5 9710	252
99	MORGAN STATE UNIV	D MENCAHN	GSFC	E ISUK	NAG 5 11852	252
99	MORGAN STATE UNIV	J BENNETT	GSFC	E DELOATCH	NAG 5 11405	252
99	MORGAN STATE UNIV	J HARRINGTON	GSFC	W LUPTON	NCC 5 532	252
99	MORGAN STATE UNIV	P HOLLOWAY	GSFC	H WILLIAMS	NAG 5 8574	251
99	MORGAN STATE UNIV	K KRISHEN	JSC	J E WHITNEY	NAG 9 998	252
99	MT HOLYOKE COLL	C HOLLINGSWORTH	GSFC	J MORROW	NAG 5 11759	296
99	MUHLENBERG COLL	S CANRIGHT	HQ	R MILLIGAN	NAG 5 12416	436
99	NATIONAL HISPANIC UNIV	A CARDENAS	ARC	J HAWKINS	NAG 2 6062	52
99	NATIONAL HISPANIC UNIV	A CARDENAS	ARC	J S HAWKINS	NCC 2 6055	52
99	NATIONAL HISPANIC UNIV	M MATEU	GSFC	J HAWKINS	NCC 5 664	52
99	NEW JERSEY INST OF TECH	W WAGNER	GSFC	D E GARY	NAG 5 10212	347
99	NEW JERSEY INST OF TECH	P DOTY	MSFC	E DREIZIN	NAG 8 1714	347
99	NEW MEXICO HIGHLANDS UNIV	G HENDERSEN	JSC	J R JUAREZ	NAG 9 1260	357
99	NEW MEXICO HIGHLANDS UNIV	L ARMENDARIZ	JSC	J R JUAREZ	NAG 9 1921	357
99	NEW MEXICO HIGHLANDS UNIV	L M ARMENDARIZ	JSC	J R JUAREZ	NAG 9 1330	357
99	NEW MEXICO HIGHLANDS UNIV	L M ARMENDARIZ	JSC	E RYAN	NAG 9 1409	357
99	NEW MEXICO HIGHLANDS UNIV	P BAKER	WFF	J JUAREZ	NAG 9 1369	357
99	NEW MEXICO STATE UNIV - LAS CRUCES	A CARDENAS	ARC	G V GARCIA	NAG 2 6030	358
99	NEW MEXICO STATE UNIV - LAS CRUCES	B J COLLINS	ARC	N R PRASAD	NAG 2 6053	358
99	NEW MEXICO STATE UNIV - LAS CRUCES	B WHITE	GSFC	H BAPTISTE	NCC 5 466	360
99	NEW MEXICO STATE UNIV - LAS CRUCES	D BOGAN	GSFC	M MARLEY	NAG 5 8919	359
99	NEW MEXICO STATE UNIV - LAS CRUCES	D D DETROYE	GSFC	P HYNES	NGT 5 40087	360
99	NEW MEXICO STATE UNIV - LAS CRUCES	D DETROYE	GSFC	P HYNES	NGT 5 40061	360
99	NEW MEXICO STATE UNIV - LAS CRUCES	J HILLMAN	GSFC	J R MURPHY	NAG 5 12123	359
99	NEW MEXICO STATE UNIV - LAS CRUCES	D M RUSSO	JSC	G A EICEMAN	NAG 9 1291	359
99	NY UNIV	W ABDALATI	GSFC	D HOLLAND	NAG 5 12419	378
99	NORFOLK STATE UNIV	B L WHITE	GSFC	G GOLEMBIEWSKI	NAG 5 9257	509
99	NORFOLK STATE UNIV	M MATTHEWS	GSFC	L MATTIX	NCC 5 457	510
99	NORFOLK STATE UNIV	N KHAZENIE	GSFC	S CHAUDHURY	NAG 5 8541	509
99	NORFOLK STATE UNIV	R A HATHAWAY	LARC	P TUCKER-HOGAN	NCC 1 01053	510
99	NORFOLK STATE UNIV	R A HATHAWAY	LARC	W RODRIGUEZ	NCC 1 01055	510
99	NORFOLK STATE UNIV	R A HATHAWAY	LARC	S M PROCTOR	NCC 1 02024	510
99	NORTH CAROLINA A&T STATE UNIV	A CARDENAS	ARC	J MONROE	NAG 2 6061	392
99	NORTH CAROLINA A&T STATE UNIV	D F NOGA	GRC	Y ELLEN	NAG 3 2165	392
99	NORTH CAROLINA A&T STATE UNIV	B WHITE	GSFC	J D MONROE	NCC 5 349	393
99	NORTH CAROLINA A&T STATE UNIV	J MALONE	GSFC	N DOGAN	NAG 5 9419	392
99	NORTH CAROLINA CENTRAL UNIV	R F LAWRENCE	GRC	B V VIAHOVIC	NAG 3 2804	393
99	NORTH CAROLINA STATE UNIV. - RALEIGH	A GHASSEM	GSFC	D REICHLE	NGT 5 30054	396
99	NORTH CAROLINA STATE UNIV. - RALEIGH	D D DETROYE	GSFC	F R DEJARNETTE	NGT 5 40109	397
99	NORTH CAROLINA STATE UNIV. - RALEIGH	D DETROYE	GSFC	F R DEJARNETTE	NGT 5 40011	397
99	NORTH CAROLINA STATE UNIV. - RALEIGH	J BREDEKAMP	GSFC	K J BORKOWSKI	NAG 5 9490	395
99	NORTH CAROLINA STATE UNIV. - RALEIGH	J A WHITE	LARC	J R EDWARDS	NAG 1 2216	393
99	NORTH CAROLINA STATE UNIV. - RALEIGH	S SPEARMAN	MSFC	K J BACHMANN	NCC 8 95	396
99	NORTHERN ARIZONA UNIV	D BOGAN	GSFC	R YELLE	NAG 5 9214	24
99	NORTHERN ARIZONA UNIV	J HILMAN	GSFC	C GRIFFITH	NAG 5 11239	24
99	NORTHWESTERN UNIV	D SENSKE	GSFC	B BUSSEY	NAG 5 12587	200
99	NORTHWESTERN UNIV	K BLANDING	GSFC	P VOORHEES	NGT 5 50368	202
99	NORTHWESTERN UNIV	K BLANDING	GSFC	M MATALON	NGT 5 50405	202
99	NORTHWESTERN UNIV	L SMITH	GSFC	B J MATKOWSKY	NGT 5 50263	201
99	NORTHWESTERN UNIV	M WEI	GSFC	F GEIGER	NGT 5 30456	201
99	NORTHWESTERN UNIV	M WEI	GSFC	P SCHEUERMANN	NGT 5 30471	201
99	NORTHWESTERN UNIV	P CRANE	GSFC	M P ULMER	NAG 5 11457	200
99	NORTHWESTERN UNIV	K DAUES	JSC	R N LUEPTOW	NAG 9 1398	201
99	OAKWOOD COLL	W LOVE	MSFC	A OSEI	NAG 8 1868	5
99	OGLALA LAKOTA COLL	D MENCHAN	GSFC	S PHELPS	NAG 5 10935	460
99	OGLALA LAKOTA COLL	T GULL	GSFC	J HAAS	NAG 5 7548	460
99	OHIO STATE UNIV	G STRINGFELLO	GSFC	E HERBST	NAG 5 10207	412
99	OHIO STATE UNIV	H HASAN	GSFC	A K PRADHAN	NAG 5 11462	412
99	OHIO STATE UNIV	K PARTINGTON	GSFC	K JEZEK	NAG 5 10112	411
99	OHIO STATE UNIV	L SMITH	GSFC	E MOSLEY-THOMPSON	NGT 5 30178	414
99	OHIO STATE UNIV	M WEI	GSFC	D BRZEZINSKA	NAG 5 10619	412

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99	OHIO STATE UNIV	W ABDALATI	GSFC	B CSATHO	NAG 5 10199	411
99	OHIO STATE UNIV	W ABDALATI	GSFC	E MOSLEY-THOMPSON	NAG 5 10266	412
99	OHIO STATE UNIV	W ABDALATI	GSFC	K JEZEK	NAG 5 12290	412
99	OHIO STATE UNIV	W ABDALTI	GSFC	K JEZEK	NAG 5 10275	412
99	OHIO WESLEYAN UNINERITY	F SAVINO	GRC	W C LOUTHAN	NAG 3 2645	415
99	OHIO WESLEYAN UNINERITY	J ROSENDHAL	HQ	W LOUTHAN	NAG 5 10453	415
99	OKLAHOMA STATE UNIV	L BILBROUGH	GSFC	S MARKS	NCC 5 629	424
99	OKLAHOMA STATE UNIV	L BILLBROUGH	GSFC	T COLLINS	NCC 5 561	424
99	OKLAHOMA STATE UNIV	L L BILBROUGH	GSFC	S K MARKS	NCC 5 185	424
99	OKLAHOMA STATE UNIV	K BLANDING	HQ	S MCKEEVERS	NGT 5 50420	424
99	OKLAHOMA STATE UNIV	C W LLOYD	JSC	B J STOECKER	NAG 9 1159	423
99	OLD DOMINION UNIV	D D DETROYE	GSFC	M SANDY	NGT 5 40080	515
99	OLD DOMINION UNIV	D DETROYE	GSFC	M SANDY	NGT 5 40070	515
99	OLD DOMINION UNIV	J GORMAN	GSFC	M SANDY	NCC 5 592	513
99	OLD DOMINION UNIV	J MARRA	GSFC	E HOFMANN	NAG 5 11259	512
99	OLD DOMINION UNIV	L KEFFER	GSFC	M L SANDY	NGT 5 40059	515
99	OLD DOMINION UNIV	D L HARM	JSC	R B LOFTIN	NCC 9 135	514
99	OLD DOMINION UNIV	R A HATHAWAY	LARC	B TIWARI	NCC 1 01043	513
99	OLD DOMINION UNIV	R HATHAWAY	LARC	M SCERBO	NGT 1 01005	514
99	ORAL ROBERTS UNIV	R HARMAN	GSFC	D HALSMER	NAG 5 7378	424
99	OREGON STATE UNIV	R K DISMUKES	ARC	K H FUNK	NAG 2 1287	426
99	OREGON STATE UNIV	D D DETROYE	GSFC	A C KLEIN	NGT 5 40103	429
99	OREGON STATE UNIV	D WICKLAND	GSFC	D P TURNER	NAG 5 11222	428
99	OREGON STATE UNIV	D WICKLAND	GSFC	B LAW	NAG 5 11223	428
99	OREGON STATE UNIV	D WICKLAND	GSFC	L MAHRT	NAG 5 11231	428
99	OREGON STATE UNIV	E LINDSTROM	GSFC	A BENNET	NAG 5 12443	428
99	OREGON STATE UNIV	G GUTMAN	GSFC	O N KRANKINA	NAG 5 10614	427
99	OREGON STATE UNIV	J MARRA	GSFC	Y SPITZ	NAG 5 11190	428
99	OREGON STATE UNIV	M MEYER	GSFC	M FISK	NAG 5 9446	427
99	OREGON STATE UNIV	M MEYER	GSFC	M FISK	NAG 5 12351	428
99	OREGON STATE UNIV	M WEI	GSFC	W PEGAU	NGT 5 30347	429
99	OREGON STATE UNIV	M Y WEI	GSFC	B BOND	NGT 5 30181	429
99	OREGON STATE UNIV	W WEI	GSFC	L MAHRT	NGT 5 30387	429
99	OUR LADY OF THE LAKE UNIV	L ARMENDARIZ	JSC	K A WARD	NAG 9 1170	469
99	PAINE COLL	M STOUTSENBERGER	GSFC	R KESSLER	NAG 5 9157	187
99	PASADENA CITY COLL	P J SAKIMOTO	GSFC	J SEPIKAS	NAG 5 11197	52
99	PASSAIC COUNTY COMM COLL	STOUTSENBERGER	HQ	R EPSTEIN	NAG 5 9103	347
99	PAUL QUINN COLL	C PERSON	GSFC	S JONES	NAG 5 11658	469
99	PENN. STATE UNIV.-RADNOR	K BLANDING	GSFC	M ERACLEOUS	NGT 5 50387	437
99	PENN STATE UNIV. - UNIV. PARK	M MC CARTHY	DFRC	B GRABOWSKI	NAG 4 160	439
99	PENN STATE UNIV. - UNIV. PARK	D DETROYE	GSFC	R DEVON	NGT 5 40090	446
99	PENN STATE UNIV. - UNIV. PARK	D GOLOMBEK	GSFC	G BABU	NAG 5 10542	442
99	PENN STATE UNIV. - UNIV. PARK	K BLANDING	GSFC	M BERSHADY	NGT 5 50236	446
99	PENN STATE UNIV. - UNIV. PARK	K BLANDING	GSFC	R WADE	NGT 5 50399	446
99	PENN STATE UNIV. - UNIV. PARK	L K SMITH	GSFC	W BRANDT	NGT 5 50277	446
99	PENN STATE UNIV. - UNIV. PARK	L SMITH	GSFC	N BRANDT	NGT 5 50247	446
99	PENN STATE UNIV. - UNIV. PARK	L SMITH	GSFC	S COUTU	NGT 5 50296	446
99	PENN STATE UNIV. - UNIV. PARK	M MEYER	GSFC	J GE	NAG 5 12115	442
99	PENN STATE UNIV. - UNIV. PARK	M MEYER	GSFC	S BRANTLEY	NAG 5 12330	443
99	PENN STATE UNIV. - UNIV. PARK	M MEYER	GSFC	M E PATZKOWSKY	NAG 5 12338	443
99	PENN STATE UNIV. - UNIV. PARK	M MEYER	GSFC	J F KASTING	NAG 5 12352	443
99	PENN STATE UNIV. - UNIV. PARK	P CRANE	GSFC	R A WADE	NAG 5 9586	441
99	PENN STATE UNIV. - UNIV. PARK	P CRANE	GSFC	J GE	NAG 5 11427	442
99	PENN STATE UNIV. - UNIV. PARK	R E GABRYS	GSFC	D L GRABOWSKI	NCC 5 432	445
99	PENN STATE UNIV. - UNIV. PARK	J DASCH	HQ	R DEVON	NGT 5 40064	446
99	PENN STATE UNIV -HERSHEY MED.	C W LLOYD	JSC	D MACLEAN	NAG 9 1259	437
99	POLYTECH UNIV PUERTO RICO	G MOAK	GSFC	E LEAL-QUIROS	NAG 5 11711	548
99	POMONA COLL	D SENSKE	GSFC	E GROSFILS	NAG 5 10157	53
99	PORTLAND STATE UNIV	M MEYER	GSFC	S CADY	NAG 5 9579	429
99	PORTLAND STATE UNIV	M MEYER	GSFC	N LEHMAN	NAG 5 11441	430
99	PORTLAND STATE UNIV	M MEYER	GSFC	T STEVENS	NAG 5 11442	430
99	PORTLAND STATE UNIV	W ABDALATI	GSFC	C HULBE	NAG 5 11309	429
99	PRAIRIE VIEW A&M UNIV	J HARRINGTON	GSFC	J WILLIAMS	NCC 5 529	470
99	PRAIRIE VIEW A&M UNIV	J MALONE	GSFC	R WILKINS	NAG 5 11070	469
99	PRAIRIE VIEW A&M UNIV	A JOYCE	SSC	S SHAKIR	NAG13 46	470

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99	PRESCOTT COLL	RVENEZIA	GSFC	W ORR	NAG 5 11550	24
99	PRINCETON UNIV	J HILLMAN	GSFC	R Q WILSON	NAG 5 12015	350
99	PRINCETON UNIV	J MARRA	GSFC	M BENDER	NAG 5 11301	350
99	PRINCETON UNIV	K BLANDING	GSFC	E CHOUEIRI	NGT 5 50356	351
99	PRINCETON UNIV	K BLANDING	GSFC	D SAVILLE	NGT 5 50370	352
99	PRINCETON UNIV	K BLANDING	GSFC	U SELJAK	NGT 5 50383	352
99	PRINCETON UNIV	K BLANDING	GSFC	W RUSSEL	NGT 5 50407	352
99	PRINCETON UNIV	M WEI	GSFC	S HUBBELL	NGT 5 30113	351
99	PURDUE UNIV	D DETROYE	GSFC	D ANDRISANI	NGT 5 40114	218
99	PURDUE UNIV	D FOLTA	GSFC	K C HOWELL	NCC 5 358	217
99	PURDUE UNIV	D SENSKE	GSFC	B PICKETT	NAG 5 10262	216
99	PURDUE UNIV	J HILLMAN	GSFC	T ZWIER	NAG 5 12098	216
99	PURDUE UNIV	J M BOYCE	GSFC	J SHAN	NAG 5 11080	216
99	PURDUE UNIV	K BLANDING	GSFC	J M LONGUSKI	NGT 5 50275	218
99	PURDUE UNIV	K BLANDING	GSFC	T ZWEIR	NGT 5 50336	218
99	PURDUE UNIV	M MATEU	GSFC	S BAST	NAG 5 12562	216
99	PURDUE UNIV	M MEYER	GSFC	J A CHMIELEWSKI	NAG 5 10735	216
99	PURDUE UNIV	P ULRICH	GSFC	C NOUSSAIR	NAG 5 10061	215
99	PURDUE UNIV	B J WOOLFORD	JSC	G SALVENDY	NAG 9 1281	217
99	RENSSELAER POLYTECH INST	D MONTEGANI	GRC	J A TICHY	NGT 3 52341	380
99	RENSSELAER POLYTECH INST	K BLANDING	GSFC	M GAFFEY	NGT 5 50382	380
99	RENSSELAER POLYTECH INST	M MEYER	GSFC	J P FERRIS	NAG 5 9607	380
99	RICE UNIV	A TUYAHOV	GSFC	P REIFF	NCC 5 311	473
99	RICE UNIV	J SHARBER	GSFC	R WOLF	NAG 5 9077	471
99	RICE UNIV	J SPANN	GSFC	F R TOFFOLETTO	NAG 5 12144	472
99	RICE UNIV	P HUNTER	GSFC	E MERENYI	NAG 5 10432	471
99	RICE UNIV	C L FARMER	JSC	D SUBRAMANIAN	NAG 9 1249	472
99	ROCHESTER INST OF TECH	M GIARDINO	SSC	MCKEOWN	NAG13 02051	381
99	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	K BLADING	GSFC	C MAVROIDIS	NGT 5 50364	355
99	RUTGERS ST UNIV N.J.-INCLUDES PSCTWY	P CRANE	GSFC	J SELLWOOD	NAG 5 10110	354
99	RUTGERS STATE UNIV OF NJ NEW BRUNS	L P CHAMBERS	GSFC	H JANES	NAG 5 12435	355
99	RUTGERS STATE UNIV OF NJ NEW BRUNS	P DECOLA	GSFC	Y WANG	NAG 5 11244	355
99	SAINT CLOUD STATE UNIV	J HILLMAN	GSFC	M WOMACK	NAG 5 11287	317
99	SALISH KOOTENAI COLL	D MENCHAN	GSFC	T S OLSON	NAG 5 12205	334
99	SALISH KOOTENAI COLL	M STOUTSENBERGER	GSFC	J M GOBERT	NAG 5 9147	334
99	SAN BERNARDINO VALLEY COLL	A CARDENAS	ARC	D AVILA	NAG 2 6060	53
99	SAN DIEGO STATE UNIV	M WEI	GSFC	A HOPE	NGT 5 30367	54
99	SAN DIEGO STATE UNIV	M WEI	GSFC	C TAGUE	NGT 5 30439	54
99	SAN DIEGO STATE UNIV	M WEI	GSFC	J FRANKLIN	NGT 5 30444	54
99	SAN DIEGO STATE UNIV	A PEEK	SSC	D STOWE	NCC13 00002	53
99	SAN JACINTO COLL	D DENTON-MISFELDT	JSC	N J ANTHA	NAS 9 00106	473
99	SAN JACINTO COLL	D SICKOREZ	JSC	M DALTON	NCC 9 137	473
99	SAN JACINTO COLL	N AVAILABLE	JSC	N AVAILABLE	NCC 9 141	473
99	SAN JOSE STATE UNIV	I STATLER	ARC	K CORKER	NAG 2 1454	54
99	SAN JOSE STATE UNIV	I STATLER	ARC	K CORKER	NCC 2 1305	56
99	SAN JOSE STATE UNIV	K DISMUKES	ARC	K JORDAN	NCC 2 1289	56
99	SAN JOSE STATE UNIV	L K COE	ARC	E M LANDESMAN	NAG 2 6056	55
99	SAN JOSE STATE UNIV	M MOORE	ARC	B STONE	NGT 2 52262	58
99	SAN JOSE STATE UNIV	N S DORGHI	ARC	M S PATANKAR	NCC 2 1284	56
99	SAN JOSE STATE UNIV	R J DISMUKES	ARC	K JORDON	NCC 2 1155	56
99	SAN JOSE STATE UNIV	R K DISMUKES	ARC	K JORDAN	NCC 2 1302	56
99	SAN JOSE STATE UNIV	R K DISMUKES	ARC	K P JORDAN	NCC 2 1095	55
99	SAN JOSE STATE UNIV	J BOYCE	GSFC	S C RAFKIN	NAG 5 9500	55
99	SAN JOSE STATE UNIV	J BOYCE	GSFC	A BRIDGER	NAG 5 11185	55
99	SANTA ANA COL-RANCHO SANTA COMM COL	M PHELPS	HQ	P BOSTIC	NAG 5 12113	58
99	SHAW UNIV	M STOUTSENBERGER	GSFC	K SATAGOPAN	NAG 5 9195	397
99	SONOMA STATE UNIV	D GABRYS	GSFC	L COMINSKY	NCC 5 429	58
99	SOUTH CAROLINA STATE UNIV	D MENCHAN	GSFC	J D SALLEY	NAG 5 8246	459
99	SOUTH CAROLINA STATE UNIV	J HARRINGTON	GSFC	D WALTER	NCC 5 534	459
99	SOUTH CAROLINA STATE UNIV	M MATTHEWS	GSFC	D K WALTER	NCC 5 454	459
99	SOUTH CAROLINA STATE UNIV	MMATEU	GSFC	J SALLEY	NCC 5 651	459
99	SOUTH DAKOTA SCH OF MINES & TECH	D DETROYE	GSFC	S FARWELL	NCC 5 402	461
99	SOUTH DAKOTA SCH OF MINES & TECH	D DETROYE	GSFC	S O FARWELL	NCC 5 588	461
99	SOUTH DAKOTA SCH OF MINES & TECH	D DETROYE	GSFC	S O FARWELL	NGT 5 40042	461
99	SOUTH DAKOTA SCH OF MINES & TECH	D DETROYE	GSFC	S O FARWELL	NGT 5 40095	461
99	SOUTHERN METHODIST UNIV	L CHAMBERS	GSFC	J NEEL	NAG 5 12289	473

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99	SOUTHERN UNIV & A&M COLL	J L HARRINGTON	GSFC	D BAGAYOKO	NAG 5 11936	232
99	SOUTHERN UNIV & A&M COLL	G GORDON	MSFC	M A STUNNLEFIELD	NAG 8 1536	232
99	SOUTHERN UNIV & A&M COLL	W J LOVE	MSFC	L L LAURENCE	NAG 8 1627	232
99	SOUTHERN UNIV & A&M COLL	R TRAVIS	SSC	D BAGAYOKO	NCC13 00010	233
99	SOUTHWEST TEXAS JUNIOR COLL	L ARMENDARIZ	JSC	A HERNANDEZ	NAG 9 1019	474
99	SOUTHWESTERN INDIAN POLYTECH INST	L M ARMENDARIZ	JSC	C L ABEITA	NAG 9 1407	360
99	STANFORD UNIV	T J BARTH	ARC	T HUGHES	NCC 2 5363	64
99	STANFORD UNIV	B BETTS	GSFC	L TYLER	NAG 5 9494	61
99	STANFORD UNIV	D BOGAN	GSFC	G TYLER	NAG 5 9556	61
99	STANFORD UNIV	J SHARBER	GSFC	U S INAN	NGT 5 50351	66
99	STANFORD UNIV	L SMITH	GSFC	A B WALKER	NGT 5 50254	66
99	STANFORD UNIV	M WEI	GSFC	K ARRIGO	NGT 5 30392	66
99	STANFORD UNIV	P CRANE	GSFC	B CABRERA	NAG 5 11439	62
99	STANFORD UNIV	W WAGNER	GSFC	P H SCHERRER	NAG 5 12452	63
99	STANFORD UNIV	K BLANDING	HQ	A FOX	NGT 5 50358	67
99	STATE UNIV OF NY - ALBANY	M WEI	GSFC	D KIEBER	NGT 5 30431	382
99	STATE UNIV OF NY - ALBANY	M GIARDINO	SSC	P F HOPKINS	NAG13 02043	382
99	STATE UNIV OF NY - BUFFALO	D SENSKE	GSFC	T K GREGG	NAG 5 11835	383
99	STATE UNIV OF NY - BUFFALO	J BOYCE	GSFC	T GREGG	NAG 5 9619	383
99	STATE UNIV OF NY - BUFFALO	S DAVISON	GSFC	B GONG	NAG 5 9873	383
99	STATE UNIV OF NY - STONY BROOK	J HILLMAN	GSFC	J L FOX	NAG 5 12070	385
99	STATE UNIV OF NY - STONY BROOK	M Y WEI	GSFC	M LERDAU	NGT 5 30124	386
99	STATE UNIV OF NY - STONY BROOK	P DECOLA	GSFC	M GELLER	NAG 5 11240	385
99	STATE UNIV OF NY - STONY BROOK	R R ANTCLIFF	LARC	Y SHAMASH	NAG 1 01052	383
99	STATE UNIV OF NY COL - PLATTSBURGH	M MEYER	GSFC	G J FLYNN	NAG 5 12358	386
99	STATE UNIV OF NY COLL - PURCHASE	D SENSKE	GSFC	G FLYNN	NAG 5 10221	386
99	STEVENS INST OF TECH	D D DETROYE	GSFC	S THANGAM	NGT 5 40096	356
99	SYRACUSE UNIV	H HASAN	GSFC	G VIDALI	NAG 5 11438	387
99	TENNESSEE STATE UNIV	A CARDENAS	ARC	W A SMITH	NAG 2 6052	462
99	TENNESSEE STATE UNIV	M BOROWSKI	GRC	D ROGERS	NAG 3 2606	462
99	TENNESSEE STATE UNIV	M BOROWSKI	GRC	D ROGERS	NAG 3 2781	463
99	TENNESSEE STATE UNIV	M CAWTHON	GRC	D B ROGERS	NAG 3 2441	462
99	TENNESSEE STATE UNIV	R F LAWRENCE	GRC	D B ROGERS	NAG 3 2272	462
99	TENNESSEE STATE UNIV	R LAWRENCE	GRC	D ROGERS	NAG 3 2577	462
99	TENNESSEE STATE UNIV	J HARRINGTON	GSFC	W A SMITH	NCC 5 531	463
99	TENNESSEE STATE UNIV	M MATHEWS	GSFC	M BUSBY	NAG 5 10896	463
99	TENNESSEE STATE UNIV	M MATHEWS	GSFC	M BUSBY	NCC 5 511	463
99	TENNESSEE TECHNOLOGICAL UNIV	C K CARRINGTON	MSFC	S CANFIELD	NAG 8 1749	463
99	TEXAS A&M UNIV	J E CALOGERAS	GRC	F R BEST	NCC 3 516	478
99	TEXAS A&M UNIV	K W LASSMAN	GRC	G SERA	NAS 9 00100	477
99	TEXAS A&M UNIV	C PERSON	GSFC	C STEIDLEY	NCC 5 517	478
99	TEXAS A&M UNIV	J HILLMAN	GSFC	M T LEMMON	NAG 5 11992	476
99	TEXAS A&M UNIV	K BLANDING	GSFC	G R NORTH	NGT 5 50417	479
99	TEXAS A&M UNIV	M MEYER	GSFC	M C KENNICUT	NAG 5 9485	475
99	TEXAS A&M UNIV	M WEI	GSFC	D COLLINS	NAG 5 10549	475
99	TEXAS A&M UNIV	M WEI	GSFC	P CHANG	NGT 5 30417	479
99	TEXAS A&M UNIV	M WEI	GSFC	L HONGXING	NGT 5 30467	479
99	TEXAS A&M UNIV	P MOUNTJPOY	HQ	S BEDNARZ	NCC 5 359	478
99	TEXAS A&M UNIV	A STRAHAN	JSC	D T WARD	NAG 9 1268	477
99	TEXAS A&M UNIV	D BARTA	JSC	M C DREW	NAG 9 1067	476
99	TEXAS A&M UNIV	D SICKOREZ	JSC	W A HYMAN	NGT 9 39	479
99	TEXAS A&M UNIV	D SICKOREZ	JSC	W A HYMAN	NGT 9 54	479
99	TEXAS A&M UNIV	F J DELGADO	JSC	A P BANERJEE	NAG 9 1442	477
99	TEXAS A&M UNIV	J HOWELL	MSFC	K CHANG	NAG 8 1618	476
99	TEXAS A&M UNIV-CORPUS CHRISTI	N KHAZENIE	GSFC	G BLOUNT	NAG 5 9196	479
99	TEXAS COLL	C PERSON	GSFC	M NAMBOODIRI	NAG 5 11002	480
99	TEXAS COLL	L M ARMENDEZ	JSC	W STENGER	NAG 9 1416	480
99	TEXAS SOUTHERN UNIV	C PERSON	GSFC	D C DAVIS	NAG 5 12599	480
99	TEXAS TECH UNIV	J BREDEKAMP	GSFC	D COOKE	NAG 5 9505	480
99	THE AMERICAN UNIV	D DETROYE	GSFC	R BERENDZEN	NGT 5 40068	154
99	THE CATHOLIC UNIV OF AMERICA	B THOMPSON	GSFC	D C WANG	NAG 5 12389	158
99	THE CATHOLIC UNIV OF AMERICA	J BOYCE	GSFC	D CRIDER	NAG 5 11225	157
99	THE CATHOLIC UNIV OF AMERICA	J HILLMAN	GSFC	M A DISANTI	NAG 5 12208	158
99	THE CATHOLIC UNIV OF AMERICA	J HILLMAN	GSFC	N DELLA RUSSO	NAG 5 12285	158
99	THE CATHOLIC UNIV OF AMERICA	J HILLMAN	GSFC	F BRUHWEILER	NAG 5 12331	158

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99	THE CATHOLIC UNIV OF AMERICA	P CRANE	GSFC	S KRAEMER	NAG 5 10500	156
99	THE CATHOLIC UNIV OF AMERICA	R CROUCH	GSFC	R D PARASURAMAN	NAG 5 8761	155
99	THE CATHOLIC UNIV OF AMERICA	W J WAGNER	GSFC	N GOPALSWAMY	NAG 5 10837	156
99	THE SCRIPPS RES INST (TSRI) -LA JOLLA	M MEYER	GSFC	M GHADIRI	NAG 5 12160	67
99	THE SCRIPPS RES INST (TSRI) -LA JOLLA	M MEYER	HQ	G JOYCE	NAG 5 9386	67
99	THE UNIV OF CENTRAL FLORIDA	D DETROYE	GSFC	S DURRANCE	NGT 5 40069	169
99	THE UNIV OF CENTRAL FLORIDA	D DETROYE	GSFC	S DURRANCE	NGT 5 40071	169
99	THE UNIV OF CENTRAL FLORIDA	D DETROYE	GSFC	S DURRANCE	NGT 5 40107	169
99	THE UNIV OF CENTRAL FLORIDA	C BLACK	KSC	R HOSLER	NAG10 299	168
99	THE UNIV OF CENTRAL FLORIDA	C D BLACK	KSC	D KOTNOUR	NAG10 315	168
99	THE UNIV OF CENTRAL FLORIDA	J P GORDON	KSC	D HOSIER	NAG10 280	168
99	TUFTS UNIV	P E HUNTER	GSFC	K R LANG	NAG 5 10350	297
99	TUFTS UNIV	R E GABRYS	GSFC	C ROGERS	NCC 5 434	297
99	TUFTS UNIV	W J WAGNER	GSFC	K R LANG	NAG 5 9725	297
99	TURTLE MOUNTAIN COMM COLL	L ARMENDARIZ	JSC	C DAVIS	NAG 9 1413	398
99	TUSKEGEE UNIV	M MATHEWS	GSFC	R D PACE	NAG 5 10535	6
99	TUSKEGEE UNIV	B WHITE	HQ	N O EGIEBOR	NCC 5 346	6
99	TUSKEGEE UNIV	R MCKINNEY	KSC	C DAVIS	NAG10 256	6
99	U OF ARKANSAS MAIN CAMP-FAYETTEVILLE	M J LEON	ARC	T KRAL	NCC 2 5360	40
99	U OF MD CTR FOR ENVIR SCI - CAMBRIDGE	E LINDSTROM	GSFC	L HARDING	NAG 5 11302	253
99	UNIV DEL ESTE	M MATEU	HQ	M HUERTAS	NCC 5 652	548
99	UNIV HOUSTON-HOUSTON	F J MONTEGANI	GRC	V BALAKOTAIAH	NGT 3 52356	483
99	UNIV HOUSTON-HOUSTON	D G SICHAREZ	JSC	R B BANNEROT	NAG 9 1422	482
99	UNIV HOUSTON-HOUSTON	H L DAVIS	JSC	A V VAILLAS	NCC 9 70	482
99	UNIV HOUSTON-HOUSTON	L ARMENDARIZ	JSC	T MINDIOLA	NAG 9 1055	481
99	UNIV HOUSTON-HOUSTON	L M ARMENDARIZ	JSC	T MINDIOLA	NAG 9 1363	482
99	UNIV HOUSTON-HOUSTON	L M ARMENDARIZ	JSC	T MINDIOLA	NAG 9 1410	482
99	UNIV OF ALABAMA - BIRMINGHAM	B BETTS	GSFC	T WDOWIAK	NAG 5 9424	7
99	UNIV OF ALABAMA - BIRMINGHAM	K BLANDING	GSFC	J HAGOOD	NGT 5 50409	8
99	UNIV OF ALABAMA - BIRMINGHAM	L P CHAMBERS	GSFC	L J DELUCAS	NAG 5 11146	7
99	UNIV OF ALABAMA - BIRMINGHAM	S COLEMAN	MSFC	J F LORDEN	NCC 8 248	7
99	UNIV OF ALABAMA - HUNTSVILLE	D D DETROYE	GSFC	J C GREGORY	NGT 5 40077	14
99	UNIV OF ALABAMA - HUNTSVILLE	D DETROYE	GSFC	J GREGORY	NCC 5 391	13
99	UNIV OF ALABAMA - HUNTSVILLE	D DETROYE	GSFC	J C GREGORY	NCC 5 580	13
99	UNIV OF ALABAMA - HUNTSVILLE	D E DETROYE	GSFC	J GREGORY	NGT 5 40018	14
99	UNIV OF ALABAMA - HUNTSVILLE	J F SPANN	GSFC	D F SMART	NAG 5 10943	10
99	UNIV OF ALABAMA - HUNTSVILLE	J SHARBER	GSFC	N SINGH	NAG 5 9397	9
99	UNIV OF ALABAMA - HUNTSVILLE	J SPANN	GSFC	S CHANG	NAG 5 12008	11
99	UNIV OF ALABAMA - HUNTSVILLE	L KEFFER	GSFC	J C GREGORY	NCC 5 165	13
99	UNIV OF ALABAMA - HUNTSVILLE	M WEI	GSFC	S CHRISTOPHER	NGT 5 30430	14
99	UNIV OF ALABAMA - HUNTSVILLE	M WEI	GSFC	R M WELCH	NGT 5 30455	14
99	UNIV OF ALABAMA - HUNTSVILLE	P DECOLA	GSFC	M NEWCHURCH	NAG 5 11248	11
99	UNIV OF ALABAMA - HUNTSVILLE	P E HUNTER	GSFC	G A GERMANY	NAG 5 10743	10
99	UNIV OF ALABAMA - HUNTSVILLE	P E HUNTER	GSFC	S J GRAVES	NAG 5 11995	11
99	UNIV OF ALABAMA - HUNTSVILLE	P E HUNTER	GSFC	T NEWMAN	NAG 5 12109	11
99	UNIV OF ALABAMA - HUNTSVILLE	W WAGNER	GSFC	M A SHEA	NAG 5 10785	10
99	UNIV OF ALABAMA - HUNTSVILLE	N PELLIS	JSC	K CHITTUR	NAG 8 1355	12
99	UNIV OF ALABAMA - HUNTSVILLE	N Q QURAISHI	JSC	J RUPERT	NCC 9 109	14
99	UNIV OF ALABAMA - HUNTSVILLE	G HULLETT-SMITH	MSFC	S J GRAVES	NAS 8 00180	13
99	UNIV OF ALABAMA - HUNTSVILLE	J F DOWDY	MSFC	G R KARR	NGT 8 52874	14
99	UNIV OF ALABAMA - HUNTSVILLE	J R PRUITT	MSFC	G KARR	NAG 8 1786	12
99	UNIV OF ALABAMA - HUNTSVILLE	M WATSON	MSFC	Y TAKAHASHI	NAS 8 98226	13
99	UNIV OF ALABAMA - HUNTSVILLE	S COLEMAN	MSFC	L R GREENWOOD	NCC 8 200	13
99	UNIV OF ALABAMA - UNIV	J HARRINGTON	GSFC	M FREEMAN	NAG 5 9855	15
99	UNIV OF ALABAMA - UNIV	M PHELPS	GSFC	L FREEMAN	NAG 5 9388	15
99	UNIV OF ALABAMA - UNIV	D V GALLAWAY	HQ	M FREEMAN	NAG 5 4346	15
99	UNIV OF ALABAMA - UNIV	J R PRUITT	MSFC	L M FREEMAN	NAG 8 1724	15
99	UNIV OF ALABAMA - UNIV	S COLEMAN	MSFC	R L WELLS	NCC 8 256	16
99	UNIV OF ALABAMA - UNIV	S STEVENSON	MSFC	M FREEMAN	NAG 8 1859	15
99	UNIV OF ALASKA - FAIRBANKS	D DETROYE	GSFC	J G HAWKINS	NGT 5 40100	18
99	UNIV OF ALASKA - FAIRBANKS	J BOYCE	GSFC	K YOSHIKAWA	NAG 5 11213	17
99	UNIV OF ALASKA - FAIRBANKS	J SHARBER	GSFC	A OTTO	NAG 5 9457	17
99	UNIV OF ALASKA - FAIRBANKS	J SPANN	GSFC	D LUMMERZHEIM	NAG 5 12192	18
99	UNIV OF ALASKA - FAIRBANKS	K BLANDING	GSFC	T CHAPIN	NGT 5 50423	18
99	UNIV OF ALASKA - FAIRBANKS	M MELLOTT	GSFC	M CONDE	NAG 5 10069	17
99	UNIV OF ALASKA - FAIRBANKS	M MEYER	GSFC	G PLUMLEY	NAG 5 9513	17

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99	UNIV OF ALASKA - FAIRBANKS	W ABDALATI	GSFC	C LINGLE	NAG 5 11226	17
99	UNIV OF ALASKA - FAIRBANKS	W WAGNER	GSFC	S M BAILEY	NAG 5 12449	18
99	UNIV OF ALBUQUERQUE	L M ARMENDARIZ	JSC	R A LAFARGE	NAG 9 1312	360
99	UNIV OF ARIZONA	A TUYAHOV	GSFC	C F HUTCHINSON	NAG 5 12484	35
99	UNIV OF ARIZONA	B BETTS	GSFC	T SWINDLE	NAG 5 9198	29
99	UNIV OF ARIZONA	B BETTS	GSFC	W BOYNTON	NAG 5 9425	30
99	UNIV OF ARIZONA	D BOGAN	GSFC	E P TURTLE	NAG 5 8937	28
99	UNIV OF ARIZONA	D BOGAN	GSFC	R GREENBERG	NAG 5 8941	28
99	UNIV OF ARIZONA	D BOGAN	GSFC	F HERBERT	NAG 5 8952	29
99	UNIV OF ARIZONA	D BOGAN	GSFC	D HUNTEN	NAG 5 8970	29
99	UNIV OF ARIZONA	D D DETROYE	GSFC	M J DRAKE	NGT 5 40082	39
99	UNIV OF ARIZONA	D SENSKE	GSFC	P GEISSLER	NAG 5 10162	31
99	UNIV OF ARIZONA	D SENSKE	GSFC	R GREENBERG	NAG 5 11497	34
99	UNIV OF ARIZONA	G STRINFELLOW	GSFC	L M ZIURYS	NAG 5 11471	34
99	UNIV OF ARIZONA	G STRINGFELLOW	GSFC	P BERNATH	NAG 5 10205	31
99	UNIV OF ARIZONA	G STRINGFELLOW	GSFC	L ZIURYS	NAG 5 10333	31
99	UNIV OF ARIZONA	G STRINGFELLOW	GSFC	E T YOUNG	NAG 5 11433	34
99	UNIV OF ARIZONA	J BOYCE	GSFC	M J DRAKE	NAG 5 9435	30
99	UNIV OF ARIZONA	J BREDEKAMP	GSFC	J HOLBERG	NAG 5 9408	30
99	UNIV OF ARIZONA	J HILLMAN	GSFC	K KARKOSCHKA	NAG 5 12014	35
99	UNIV OF ARIZONA	J HILLMAN	GSFC	C GRIFFITH	NAG 5 12272	35
99	UNIV OF ARIZONA	K BLANDING	GSFC	C WALKER	NGT 5 50246	39
99	UNIV OF ARIZONA	K BLANDING	GSFC	L CLOSE	NGT 5 50394	39
99	UNIV OF ARIZONA	K BLANDING	GSFC	M MEYER	NGT 5 50400	39
99	UNIV OF ARIZONA	K HOLLAND	GSFC	U FINK	NGT 5 50243	39
99	UNIV OF ARIZONA	L SMITH	GSFC	L ZIURYS	NGT 5 50282	39
99	UNIV OF ARIZONA	L SMITH	GSFC	D MCCARTHY	NGT 5 50283	39
99	UNIV OF ARIZONA	L SMITH	GSFC	R GREENBERG	NGT 5 50289	39
99	UNIV OF ARIZONA	L SMITH	GSFC	A BURROWS	NGT 5 50300	39
99	UNIV OF ARIZONA	L SMITH	GSFC	D DELUCA	NGT 5 50303	39
99	UNIV OF ARIZONA	M JASINSKI	GSFC	S SOROOSHIAN	NAG 5 11044	33
99	UNIV OF ARIZONA	M WEI	GSFC	R C BALES	NGT 5 30386	38
99	UNIV OF ARIZONA	P HUNTER	GSFC	J A LARSEN	NAG 5 8095	27
99	UNIV OF ARIZONA	T MORGAN	GSFC	S LARSON	NAG 5 9465	30
99	UNIV OF ARIZONA	T MORGAN	GSFC	S LARSEN	NAG 5 10853	32
99	UNIV OF ARIZONA	T MORGAN	GSFC	R S MCMILLAN	NAG 5 11828	34
99	UNIV OF ARIZONA	T MORGAN	GSFC	R GREENBERG	NAG 5 12619	35
99	UNIV OF ARIZONA	W ABDALATI	GSFC	V BAKER	NAG 5 10123	30
99	UNIV OF ARIZONA	W ABDALATI	GSFC	R BALES	NAG 5 10264	31
99	UNIV OF ARIZONA	W J WAGNER	GSFC	J KOTA	NAG 5 10884	32
99	UNIV OF ARIZONA	W J WAGNER	GSFC	G M WEBB	NAG 5 10974	33
99	UNIV OF ARIZONA	W J WAGNER	GSFC	J R JOKIPII	NAG 5 10990	33
99	UNIV OF ARIZONA	W WAGNER	GSFC	L L HOOD	NAG 5 12433	35
99	UNIV OF ARIZONA	K BLANDING	HQ	J BURGE	NGT 5 50419	39
99	UNIV OF ARIZONA	C HILL	SSC	R DAVIS	NAG13 99005	37
99	UNIV OF ARKANSAS - LITTLE ROCK	D DETROYE	GSFC	K HUDSON	NCC 5 404	40
99	UNIV OF ARKANSAS - LITTLE ROCK	D DETROYE	GSFC	K HUDSON	NCC 5 597	40
99	UNIV OF ARKANSAS - LITTLE ROCK	D DETROYE	GSFC	M HUDSON	NGT 5 40119	40
99	UNIV OF ARKANSAS - LITTLE ROCK	R TRAVIS	SSC	K HUDSON	NGT13 52757	40
99	UNIV OF CALIFORNIA - BERKELEY	R GRYMES	ARC	J F BANFIELD	NAG 2 1523	68
99	UNIV OF CALIFORNIA - BERKELEY	D WICKLAND	GSFC	I FUNG	NAG 5 11200	73
99	UNIV OF CALIFORNIA - BERKELEY	F S HERRERO	GSFC	D SIEGMUND	NAG 5 7615	70
99	UNIV OF CALIFORNIA - BERKELEY	G STRINGFELLOW	GSFC	A LEE	NAG 5 11422	73
99	UNIV OF CALIFORNIA - BERKELEY	J HILLMAN	GSFC	I DEPATER	NAG 5 12062	74
99	UNIV OF CALIFORNIA - BERKELEY	J SHARBER	GSFC	L MUSCHIETTI	NAG 5 10300	72
99	UNIV OF CALIFORNIA - BERKELEY	J SPANN	GSFC	T PHAN	NAG 5 10471	72
99	UNIV OF CALIFORNIA - BERKELEY	J SPANN	GSFC	T PHAN	NAG 5 11987	74
99	UNIV OF CALIFORNIA - BERKELEY	J SPANN	GSFC	J P MCFADDEN	NAG 5 12004	74
99	UNIV OF CALIFORNIA - BERKELEY	J SPANN	GSFC	J BONNELL	NAG 5 12039	74
99	UNIV OF CALIFORNIA - BERKELEY	J SPANN	GSFC	V ANGELOPOULOS	NAG 5 12047	74
99	UNIV OF CALIFORNIA - BERKELEY	J SPANN	GSFC	C CHASTON	NAG 5 12453	75
99	UNIV OF CALIFORNIA - BERKELEY	J SPANN	GSFC	S D BALE	NAG 5 12483	75
99	UNIV OF CALIFORNIA - BERKELEY	K BLANDING	GSFC	R LIN	NGT 5 50338	79
99	UNIV OF CALIFORNIA - BERKELEY	K BLANDING	GSFC	J TAYLOR	NGT 5 50342	79
99	UNIV OF CALIFORNIA - BERKELEY	K BLANDING	GSFC	S FREEDMAN	NGT 5 50365	79

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99	UNIV OF CALIFORNIA - BERKELEY	L SMITH	GSFC	J GRAHAM	NGT 5 50245	78
99	UNIV OF CALIFORNIA - BERKELEY	M MEYER	GSFC	R SAYKALLY	NAG 5 7457	70
99	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	D DE PAOLO	NGT 5 30380	78
99	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	R AMUNDSON	NGT 5 30383	78
99	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	J HARTE	NGT 5 30403	78
99	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	M FIRESTONE	NGT 5 30463	78
99	UNIV OF CALIFORNIA - BERKELEY	M WEI	GSFC	Y QUI	NGT 5 30473	78
99	UNIV OF CALIFORNIA - BERKELEY	P E HUNTER	GSFC	I HAWKINS	NAG 5 10314	72
99	UNIV OF CALIFORNIA - BERKELEY	R PFAFF	GSFC	C W CARLSON	NAS 5 99242	76
99	UNIV OF CALIFORNIA - BERKELEY	W WAGNER	GSFC	J G LUHMANN	NAG 5 10925	73
99	UNIV OF CALIFORNIA - BERKELEY	K BLANDING	HQ	S BOGGS	NGT 5 50393	79
99	UNIV OF CALIFORNIA - DAVIS	E LINDSTROM	GSFC	S USTIN	NAG 5 11260	80
99	UNIV OF CALIFORNIA - DAVIS	J HILLMAN	GSFC	W M JACKSON	NAG 5 12124	80
99	UNIV OF CALIFORNIA - DAVIS	K BLANDING	GSFC	L H KELLOGG	NGT 5 50230	82
99	UNIV OF CALIFORNIA - DAVIS	K BLANDING	GSFC	L KNOX	NGT 5 50388	83
99	UNIV OF CALIFORNIA - DAVIS	L SMITH	GSFC	S CARLIP	NGT 5 50281	82
99	UNIV OF CALIFORNIA - DAVIS	M WEI	GSFC	S USTIN	NGT 5 30373	82
99	UNIV OF CALIFORNIA - DAVIS	M WEI	GSFC	S USTIN	NGT 5 30411	82
99	UNIV OF CALIFORNIA - DAVIS	M WEI	GSFC	S L USTIN	NGT 5 30451	82
99	UNIV OF CALIFORNIA - IRVINE	R WILKINSON	GRC	P TABOREK	NAG 3 2389	83
99	UNIV OF CALIFORNIA - IRVINE	G GUTMAN	GSFC	C ZENDER	NAG 5 10147	84
99	UNIV OF CALIFORNIA - IRVINE	L SMITH	GSFC	R E PURDY	NGT 5 50317	85
99	UNIV OF CALIFORNIA - IRVINE	M WEI	GSFC	S TYLER	NGT 5 30409	85
99	UNIV OF CALIFORNIA - IRVINE	M WEI	GSFC	J FAMIGLIETTI	NGT 5 30443	85
99	UNIV OF CALIFORNIA - IRVINE	P DECOLA	GSFC	M PRATHER	NAG 5 11272	84
99	UNIV OF CALIFORNIA - LOS ANGELES	D BOGAN	GSFC	C T RUSSELL	NAG 5 8938	89
99	UNIV OF CALIFORNIA - LOS ANGELES	D BOGAN	GSFC	R THORNE	NAG 5 9074	89
99	UNIV OF CALIFORNIA - LOS ANGELES	D J BOGAN	GSFC	G SCHUBERT	NAG 5 11210	91
99	UNIV OF CALIFORNIA - LOS ANGELES	J HILLMAN	GSFC	C R WU	NAG 5 11960	92
99	UNIV OF CALIFORNIA - LOS ANGELES	J HILLMAN	GSFC	C T RUSSELL	NAG 5 12022	92
99	UNIV OF CALIFORNIA - LOS ANGELES	J SHARBER	GSFC	C WU	NAG 5 9111	89
99	UNIV OF CALIFORNIA - LOS ANGELES	J SHARBER	GSFC	R WALKER	NAG 5 10282	90
99	UNIV OF CALIFORNIA - LOS ANGELES	J SHARBER	GSFC	P L PRITCHETT	NAG 5 10287	90
99	UNIV OF CALIFORNIA - LOS ANGELES	J SHARBER	GSFC	D SCHRIVER	NAG 5 11989	92
99	UNIV OF CALIFORNIA - LOS ANGELES	J SPANN	GSFC	R M THORNE	NAG 5 12006	92
99	UNIV OF CALIFORNIA - LOS ANGELES	J SPANN	GSFC	E ZESTAV	NAG 5 12007	92
99	UNIV OF CALIFORNIA - LOS ANGELES	J SPANN	GSFC	M EL-ALAOUI	NAG 5 12106	92
99	UNIV OF CALIFORNIA - LOS ANGELES	J SPANN	GSFC	J RAEDER	NAG 5 12107	92
99	UNIV OF CALIFORNIA - LOS ANGELES	K BLANDING	GSFC	C RUSSELLI	NGT 5 50359	94
99	UNIV OF CALIFORNIA - LOS ANGELES	K BLANDING	GSFC	I MCLEAN	NGT 5 50395	95
99	UNIV OF CALIFORNIA - LOS ANGELES	L SMITH	GSFC	D K JACOBS	NGT 5 50310	94
99	UNIV OF CALIFORNIA - LOS ANGELES	M MAIDEN	GSFC	R MUNTZ	NCC 5 301	93
99	UNIV OF CALIFORNIA - LOS ANGELES	M MEYER	GSFC	W J SCHOPF	NAG 5 12357	93
99	UNIV OF CALIFORNIA - LOS ANGELES	M WEI	GSFC	L SMITH	NAG 5 10609	90
99	UNIV OF CALIFORNIA - LOS ANGELES	M WEI	GSFC	A ELDERING	NGT 5 30372	94
99	UNIV OF CALIFORNIA - LOS ANGELES	M WEI	GSFC	L SMITH	NGT 5 30435	94
99	UNIV OF CALIFORNIA - LOS ANGELES	S CURTIS	GSFC	M ABDALLA	NAG 5 6689	87
99	UNIV OF CALIFORNIA - LOS ANGELES	W J WAGNER	GSFC	C T RUSSELL	NAG 5 10834	91
99	UNIV OF CALIFORNIA - LOS ANGELES	S MCGEE	HQ	P WANG	NGT 5 50220	94
99	UNIV OF CALIFORNIA - LOS ANGELES	C W LLOYD	JSC	B	NAG 9 1252	93
99	UNIV OF CALIFORNIA - LOS ANGELES	G MADDERA	LARC	R P TURCO	NAG 1 1899	85
99	UNIV OF CALIFORNIA - SAN DIEGO	D D DETROYE	GSFC	J ARNOLD	NGT 5 40085	104
99	UNIV OF CALIFORNIA - SAN DIEGO	J A YODER	GSFC	P NILLER	NAG 5 6375	97
99	UNIV OF CALIFORNIA - SAN DIEGO	J BREDEKAMP	GSFC	R P PUETTER	NAG 5 9506	99
99	UNIV OF CALIFORNIA - SAN DIEGO	J GASCH	GSFC	E FURTEK	NAG 5 10669	100
99	UNIV OF CALIFORNIA - SAN DIEGO	J MARRA	GSFC	B MITCHELL	NAG 5 10276	100
99	UNIV OF CALIFORNIA - SAN DIEGO	J SHARBER	GSFC	K QUEST	NAG 5 10993	100
99	UNIV OF CALIFORNIA - SAN DIEGO	J SPANN	GSFC	C E MCIIWAIN	NAG 5 12190	101
99	UNIV OF CALIFORNIA - SAN DIEGO	K PARTINGTON	GSFC	D SANDWELL	NAG 5 10065	99
99	UNIV OF CALIFORNIA - SAN DIEGO	L KEFFER	GSFC	J A ARNOLD	NGT 5 40007	104
99	UNIV OF CALIFORNIA - SAN DIEGO	M MEYER	GSFC	J L BADA	NAG 5 12139	101
99	UNIV OF CALIFORNIA - SAN DIEGO	M WEI	GSFC	M A TOLBERT	NGT 5 30368	104
99	UNIV OF CALIFORNIA - SAN DIEGO	M WEI	GSFC	R SOMERVILLE	NGT 5 30446	104
99	UNIV OF CALIFORNIA - SAN DIEGO	P HUNTER	GSFC	B V JACKSON	NAG 5 9423	99
99	UNIV OF CALIFORNIA - SAN DIEGO	P L MOUNTJOY	GSFC	S RIDE	NCC 5 540	103

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99	UNIV OF CALIFORNIA - SAN DIEGO	T MORGAN	GSFC	N OMIDI	NAG 5 9314	99
99	UNIV OF CALIFORNIA - SAN DIEGO	W WAGNER	GSFC	W B WHITE	NAG 5 12465	102
99	UNIV OF CALIFORNIA - SAN DIEGO	P MOUMNTJOY	HQ	D K RIDE	NCC 5 257	103
99	UNIV OF CALIFORNIA - SAN FRANCISCO	M H NEW	ARC	M A WILSON	NCC 2 5509	104
99	UNIV OF CALIFORNIA - SANTA BARBARA	D SENSKE	GSFC	S J PEALE	NAG 5 11666	108
99	UNIV OF CALIFORNIA - SANTA BARBARA	D SPEARS	GSFC	G HOMSY	NAG 5 11249	107
99	UNIV OF CALIFORNIA - SANTA BARBARA	G STRINGFELLOW	GSFC	A CLELAND	NAG 5 11426	107
99	UNIV OF CALIFORNIA - SANTA BARBARA	J MARRA	GSFC	N NELSON	NAG 5 10146	107
99	UNIV OF CALIFORNIA - SANTA BARBARA	L SMITH	GSFC	J RUHL	NGT 5 50269	110
99	UNIV OF CALIFORNIA - SANTA BARBARA	M MAIDEN	GSFC	J FREW	NCC 5 302	109
99	UNIV OF CALIFORNIA - SANTA BARBARA	M MEYER	GSFC	L R BECKER	NAG 5 11560	108
99	UNIV OF CALIFORNIA - SANTA BARBARA	M MEYER	GSFC	K PLAXCO	NAG 5 12150	108
99	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	D ROBERTS	NGT 5 30400	110
99	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	D SIEGEL	NGT 5 30406	110
99	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	N MAHOWALD	NGT 5 30413	110
99	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	D M CLARK	NGT 5 30436	110
99	UNIV OF CALIFORNIA - SANTA BARBARA	M WEI	GSFC	S A SIEGEL	NGT 5 30440	110
99	UNIV OF CALIFORNIA - SANTA BARBARA	P CRANE	GSFC	P LUBIN	NAG 5 12053	108
99	UNIV OF CALIFORNIA - SANTA CRUZ	S . PARKHUST	ARC	D L STANSBURY	NCC 2 1037	112
99	UNIV OF CALIFORNIA - SANTA CRUZ	D J BOGAN	GSFC	G A GLATZMAIER	NAG 5 11220	112
99	UNIV OF CALIFORNIA - SANTA CRUZ	M WEI	GSFC	D POTTS	NGT 5 30415	113
99	UNIV OF CHICAGO	G STRINGFELLOW	GSFC	S MEYER	NAG 5 11443	204
99	UNIV OF CHICAGO	J BOYCE	GSFC	A M DAVIS	NAG 5 9510	203
99	UNIV OF CHICAGO	J BOYCE	GSFC	M HUMAYUN	NAG 5 9800	204
99	UNIV OF CHICAGO	MSALAMON	GSFC	A OLINTO	NAG 5 12153	205
99	UNIV OF CHICAGO	P E HUNTER	GSFC	P C FRISCH	NAG 5 11999	204
99	UNIV OF CHICAGO	W J WAGNER	GSFC	F CATTANEO	NAG 5 10831	204
99	UNIV OF CINCINNATI	G ASRAR	GSFC	S ISLAM	NGT 5 30108	418
99	UNIV OF CINCINNATI	L SMITH	GSFC	J W PIKE	NGT 5 50265	419
99	UNIV OF CINCINNATI	M WEI	GSFC	S ISLAM	NGT 5 30453	418
99	UNIV OF COLORADO - BOULDER	B BETTS	GSFC	A L BETZ	NAG 5 9474	129
99	UNIV OF COLORADO - BOULDER	C P HOLMES	GSFC	C A BARTH	NAG 5 10106	130
99	UNIV OF COLORADO - BOULDER	D BOGAN	GSFC	K SIMMONS	NAG 5 8940	128
99	UNIV OF COLORADO - BOULDER	D D DETROYE	GSFC	E R HANSEN	NGT 5 40028	140
99	UNIV OF COLORADO - BOULDER	D D DETROYE	GSFC	E R HANSEN	NGT 5 40072	141
99	UNIV OF COLORADO - BOULDER	D SENSKE	GSFC	M MELLON	NAG 5 10265	130
99	UNIV OF COLORADO - BOULDER	D SENSKE	GSFC	G R STEWART	NAG 5 11562	134
99	UNIV OF COLORADO - BOULDER	D SENSKE	GSFC	B M JAKOSKY	NAG 5 11648	135
99	UNIV OF COLORADO - BOULDER	D WICKLAND	GSFC	A NOLIN	NAG 5 12288	136
99	UNIV OF COLORADO - BOULDER	H HASAN	GSFC	T P SNOW	NAG 5 11487	134
99	UNIV OF COLORADO - BOULDER	J BOYCE	GSFC	S ZHONG	NAG 5 11224	133
99	UNIV OF COLORADO - BOULDER	J F SPANN	GSFC	T FULLER-ROWELL	NAG 5 10937	132
99	UNIV OF COLORADO - BOULDER	J FROGEL	GSFC	G S STRINGFELLOW	NAG 5 11907	135
99	UNIV OF COLORADO - BOULDER	J FROGEL	GSFC	G S STRINGFELLOW	NAG 5 11963	135
99	UNIV OF COLORADO - BOULDER	J HILLMAN	GSFC	F BAGENAL	NAG 5 12394	137
99	UNIV OF COLORADO - BOULDER	J M BOYCE	GSFC	J FORBES	NAG 5 11167	133
99	UNIV OF COLORADO - BOULDER	J SHARBER	GSFC	R ERGUN	NAG 5 9336	128
99	UNIV OF COLORADO - BOULDER	J SPANN	GSFC	W K PETERSON	NAG 5 12002	135
99	UNIV OF COLORADO - BOULDER	J SPANN	GSFC	R E ERGUN	NAG 5 12026	136
99	UNIV OF COLORADO - BOULDER	J SPANN	GSFC	R A AKMAEV	NAG 5 12197	136
99	UNIV OF COLORADO - BOULDER	K BLANDING	GSFC	R RAPPALARDO	NGT 5 50337	141
99	UNIV OF COLORADO - BOULDER	K BLANDING	GSFC	J GREEN	NGT 5 50340	141
99	UNIV OF COLORADO - BOULDER	K BLANDING	GSFC	M HORANYI	NGT 5 50345	141
99	UNIV OF COLORADO - BOULDER	K BLANDING	GSFC	E ZWEIBEL	NGT 5 50350	141
99	UNIV OF COLORADO - BOULDER	K BLANDING	GSFC	J FORBES	NGT 5 50352	142
99	UNIV OF COLORADO - BOULDER	K BLANDING	GSFC	M A TOLBERT	NGT 5 50380	142
99	UNIV OF COLORADO - BOULDER	K BLANDING	GSFC	J GLENN	NGT 5 50384	142
99	UNIV OF COLORADO - BOULDER	K BLANDING	GSFC	G STEWART	NGT 5 50389	142
99	UNIV OF COLORADO - BOULDER	K BLANDING	GSFC	D KLAUS	NGT 5 50426	142
99	UNIV OF COLORADO - BOULDER	K E BLANDING	GSFC	J GREEN	NGT 5 50341	141
99	UNIV OF COLORADO - BOULDER	L SMITH	GSFC	C A WESSMAN	NGT 5 30180	140
99	UNIV OF COLORADO - BOULDER	L SMITH	GSFC	J FORBES	NGT 5 50232	141
99	UNIV OF COLORADO - BOULDER	L SMITH	GSFC	R CANUP	NGT 5 50237	141
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99	UNIV OF COLORADO - BOULDER	L SMITH	GSFC	J E COLDWELL	NGT 5 50294	141
99	UNIV OF COLORADO - BOULDER	M MELLOTT	GSFC	R ERGUN	NAG 5 9353	128
99	UNIV OF COLORADO - BOULDER	M MELLOTT	GSFC	S ROBERTSON	NAG 5 9443	129
99	UNIV OF COLORADO - BOULDER	M MELLOTT	GSFC	M CODRESCU	NAG 5 10309	130
99	UNIV OF COLORADO - BOULDER	M S BURRELL	GSFC	D AXELRAD	NGT 5 123	139
99	UNIV OF COLORADO - BOULDER	M WEI	GSFC	G ASNER	NGT 5 30345	140
99	UNIV OF COLORADO - BOULDER	M WEI	GSFC	K STEFFEN	NGT 5 30376	140
99	UNIV OF COLORADO - BOULDER	M WEI	GSFC	S NEREM	NGT 5 30394	140
99	UNIV OF COLORADO - BOULDER	M WEI	GSFC	R BARRY	NGT 5 30399	140
99	UNIV OF COLORADO - BOULDER	M WEI	GSFC	T PFEFFER	NGT 5 30416	140
99	UNIV OF COLORADO - BOULDER	M WEI	GSFC	M A TOLBERT	NGT 5 30422	140
99	UNIV OF COLORADO - BOULDER	M WEI	GSFC	V VAIDA	NGT 5 30464	140
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99	UNIV OF COLORADO - BOULDER	W ABDALATI	GSFC	W EMERY	NAG 5 11559	134
99	UNIV OF COLORADO - BOULDER	W ABDALATI	GSFC	J MASLANIK	NAG 5 12372	136
99	UNIV OF COLORADO - BOULDER	W ABDALATI	GSFC	J MASLANIK	NAG 5 12432	137
99	UNIV OF COLORADO - BOULDER	W WAGNER	GSFC	D W RUSCH	NAG 5 12349	136
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99	UNIV OF COLORADO - BOULDER	W WAGNER	GSFC	J TOOMRE	NGT 5 50416	142
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99	UNIV OF COLORADO - DENVER	M MELLOTT	GSFC	J M FORBES	NAG 5 10521	142
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99	UNIV OF CONNECTICUT	C HILL	SSC	D CIVCO	NAG13 99001	144
99	UNIV OF DELAWARE	K BLANDING	GSFC	P DHUJATI	NGT 5 50367	149
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99	UNIV OF FLORIDA	L SMITH	GSFC	E A LADA	NGT 5 50233	173
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99	UNIV OF GEORGIA	D BOGAN	GSFC	N G ADAMS	NAG 5 8951	188
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99	UNIV OF HAWAII AT MANOA - HONOLULU	M BALTUCK	GSFC	P J MOUGINIS-MARK	NAG 5 4395	190
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99	UNIV OF HAWAII AT MANOA - HONOLULU	T MORGAN	GSFC	D THOLEN	NAG 5 12406	195
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99	UNIV OF IDAHO - MOSCOW	M PHELPS	GSFC	J A TEASDALE	NAG 5 10210	197
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99	UNIV OF ILLINOIS - CHICAGO CIRCLE	M MEYER	GSFC	P DORAN	NAG 5 9427	205
99	UNIV OF ILLINOIS AT URBANA-CHAMPAIGN	B F CHAO	GSFC	X SONG	NAG 5 8871	208
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99	UNIV OF MARYLAND - COLL PARK	M WEI	GSFC	E KASISCHKE	NGT 5 30377	269
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99	UNIV OF MARYLAND - EASTERN SHORE	M MATEU	GSFC	D SEATON	NCC 5 668	270
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99	UNIV OF MASSACHUSETTS - AMHERST	M WEI	GSFC	D MCLAUGHLIN	NGT 5 30375	301
99	UNIV OF MASSACHUSETTS - AMHERST	M WEI	GSFC	S SEKELSKY	NGT 5 30412	301
99	UNIV OF MASSACHUSETTS WORCESTER	K BLANDING	GSFC	L BONASSAR	NGT 5 50374	297
99	UNIV OF MASSACHUSETTS WORCESTER	K BLANDING	GSFC	L BONASSAR	NGT 5 50404	297
99	UNIV OF MASSACHUSETTS-DARTHMOUTH	J MARRA	GSFC	J J BISAGNI	NAG 5 10125	301
99	UNIV OF MED AND DENTISTRY	L SMITH	HQ	N C PARTRIDGE	NGT 5 50335	356
99	UNIV OF MEMPHIS	W WAGNER	GSFC	J T SCHMELZ	NAG 5 12096	463
99	UNIV OF MIAMI	M WEI	GSFC	S S CHEN	NGT 5 30425	175
99	UNIV OF MIAMI	P DECOLA	GSFC	J RODRIGUEZ	NAG 5 10725	174
99	UNIV OF MIAMI	P DECOLA	GSFC	J RODRIQUEZ	NAG 5 11277	174
99	UNIV OF MIAMI	C DEL CASTILLO	SSC	T DIXON	NAG13 02050	174
99	UNIV OF MICHIGAN - ANN ARBOR	M SCARDELLETTI	GRC	R S GOLDMAN	NAG 3 2787	308
99	UNIV OF MICHIGAN - ANN ARBOR	D D DETROYE	GSFC	A D GALLIMORE	NGT 5 40118	315
99	UNIV OF MICHIGAN - ANN ARBOR	J BOYCE	GSFC	M C LIEMOHN	NAG 5 11187	311
99	UNIV OF MICHIGAN - ANN ARBOR	J BREDEKAMP	GSFC	T GOMBOSI	NAG 5 9406	310
99	UNIV OF MICHIGAN - ANN ARBOR	J BREDEKAMP	GSFC	M COMBI	NAG 5 9464	310
99	UNIV OF MICHIGAN - ANN ARBOR	J HILLMAN	GSFC	M R COMBI	NAG 5 12415	313
99	UNIV OF MICHIGAN - ANN ARBOR	J SHARBER	GSFC	K KOZYRA	NAG 5 10297	310
99	UNIV OF MICHIGAN - ANN ARBOR	J SPANN	GSFC	R CLAUER	NAG 5 12040	312
99	UNIV OF MICHIGAN - ANN ARBOR	J SPANN	GSFC	V O PAPITASHVILI	NAG 5 12146	312
99	UNIV OF MICHIGAN - ANN ARBOR	J SPANN	GSFC	C CLAEUR	NAG 5 12176	312
99	UNIV OF MICHIGAN - ANN ARBOR	K B LANDING	GSFC	I D BOYD	NGT 5 50412	315
99	UNIV OF MICHIGAN - ANN ARBOR	K BLANDING	GSFC	L FISK	NGT 5 50349	315
99	UNIV OF MICHIGAN - ANN ARBOR	L KEFFER	GSFC	R M JOHNSON	NGT 5 40062	315
99	UNIV OF MICHIGAN - ANN ARBOR	L SMITH	GSFC	L FISK	NGT 5 50255	315
99	UNIV OF MICHIGAN - ANN ARBOR	M MEYER	GSFC	J WAITE	NAG 5 12171	312
99	UNIV OF MICHIGAN - ANN ARBOR	M WEI	GSFC	C DOBSON	NGT 5 30432	315
99	UNIV OF MICHIGAN - ANN ARBOR	P DECOLA	GSFC	J PENNER	NAG 5 11275	311
99	UNIV OF MICHIGAN - ANN ARBOR	P E HUNTER	GSFC	W SKINNER	NAG 5 12084	312
99	UNIV OF MICHIGAN - ANN ARBOR	R HOFFMAN	GSFC	A NAGEY	NAG 5 7557	309
99	UNIV OF MICHIGAN - ANN ARBOR	W J WAGNER	GSFC	L A FINK	NAG 5 10975	311
99	UNIV OF MINN	A TUYAHOV	GSFC	T BURK	NCC 5 316	321
99	UNIV OF MINN	D DETROYE	GSFC	W L GARRARD	NGT 5 40086	321
99	UNIV OF MINN	E LINDSTROM	GSFC	G NIEMI	NAG 5 11262	319
99	UNIV OF MINN	G ASRAR	GSFC	M DAVIS	NGT 5 30115	321

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99	UNIV OF MINN	J SHARBER	GSFC	J WYGANT	NGT 5 50312	322
99	UNIV OF MINN	K BLANDING	GSFC	S HANAY	NGT 5 50344	322
99	UNIV OF MINN	K BLANDING	GSFC	E SKILLMAN	NGT 5 50346	322
99	UNIV OF MINN	L SMITH	GSFC	J DICKEY	NGT 5 50250	321
99	UNIV OF MINN	L SMITH	GSFC	R LYSAK	NGT 5 50293	321
99	UNIV OF MINN	M WEI	GSFC	F PORTE-AGEL	NAG 5 10569	319
99	UNIV OF MINN	A NURRIDDIN	HQ	HALLEY	NGT 5 50091	321
99	UNIV OF MISSISSIPPI - UNIV	D D DETROYE	GSFC	P SUKANEK	NGT 5 40098	324
99	UNIV OF MISSISSIPPI - UNIV	D DETROYE	GSFC	P SUKANEK	NCC 5 405	324
99	UNIV OF MISSISSIPPI - UNIV	D DETROYE	GSFC	P SUKANEK	NCC 5 574	324
99	UNIV OF MISSISSIPPI - UNIV	M MICK	SSC	J GABRYNOWICZ	NAG13 00036	324
99	UNIV OF MISSISSIPPI - UNIV	T VANN	SSC	G EASSON	NAG13 02052	324
99	UNIV OF MISSOURI - COLUMBIA	A TUYAHOV	GSFC	V KAUP	NAG 5 12482	326
99	UNIV OF MISSOURI - COLUMBIA	L CHAMBERS	GSFC	G CHIPENDALE	NAG 5 12284	326
99	UNIV OF MISSOURI - COLUMBIA	L CHAMBERS	GSFC	M HAY	NAG 5 12300	326
99	UNIV OF MISSOURI - COLUMBIA	M MEYER	GSFC	F SCHMIDT	NAG 5 9555	325
99	UNIV OF MISSOURI - COLUMBIA	B DAVIS	SSC	A K SHACKLEFORD	NGT13 52747	326
99	UNIV OF MISSOURI - ROLLA	D D DETROYE	GSFC	F FINIASH	NGT 5 40112	327
99	UNIV OF MISSOURI - ROLLA	D DETROYE	GSFC	F FINIASH	NGT 5 40060	327
99	UNIV OF MISSOURI - ROLLA	L CHAMBERS	GSFC	M HAY	NAG 5 12244	327
99	UNIV OF MISSOURI - SAINT LOUIS	J HILLMAN	GSFC	J J O'BRIEN	NAG 5 12013	328
99	U OF MONT	D WICKLAND	GSFC	S RUNNING	NAG 5 11256	335
99	U OF MONT	M WEI	GSFC	S RUNNING	NGT 5 30395	335
99	U OF MONT	M Y WEI	GSFC	R J FIELD	NGT 5 50225	335
99	UNIV OF NEBRASKA - LINCOLN	D D DETROYE	GSFC	B D BOWEN	NCC 5 169	336
99	UNIV OF NEBRASKA - LINCOLN	G GUTMAN	GSFC	A GITELSON	NAG 5 11147	336
99	UNIV OF NEBRASKA - LINCOLN	M Y WEI	GSFC	M BLUM	NGT 5 30358	336
99	UNIV OF NEBRASKA - LINCOLN	R E GABRYS	GSFC	D C RUNDQUIST	NCC 5 430	336
99	UNIV OF NEBRASKA - LINCOLN	A PEEK	SSC	RUNDQUIST	NCC13 98003	336
99	UNIV OF NEBRASKA-OMAHA	D D DETROYE	GSFC	B D BOWEN	NGT 5 40104	337
99	UNIV OF NEBRASKA-OMAHA	D DETROYE	GSFC	B D BOWEN	NCC 5 572	336
99	UNIV OF NEBRASKA-OMAHA	L KEFFER	GSFC	B D BOWEN	NGT 5 40037	337
99	UNIV OF NEBRASKA-OMAHA	D DETROYE	HQ	B BROWN	NCC 5 401	336
99	UNIV. OF NEVADA - DESERT RES. INST	L KEFFER	GSFC	J V TARANIK	NGT 5 40038	337
99	UNIV. OF NEVADA - DESERT RES. INST	W GRAHAM	SSC	J W BELL	NAG13 02017	337
99	UNIV OF NEVADA - LAS VEGAS	J BREDEKAMP	GSFC	S LATIFI	NAG 5 9489	337
99	UNIV OF NEVADA - LAS VEGAS	P CRANE	GSFC	V KWONG	NAG 5 11990	337
99	UNIV OF NEVADA - RENO	D DETROYE	GSFC	J V TARANIK	NGT 5 40113	339
99	UNIV OF NEVADA - RENO	K BLANDING	GSFC	W CALVIN	NGT 5 50362	339
99	UNIV OF NEVADA SYSTEM	D DETROYE	GSFC	J TARANKI	NCC 5 397	339
99	UNIV OF NEVADA SYSTEM	D DETROYE	GSFC	J V TARANIK	NCC 5 583	339
99	UNIV OF NEW HAMPSHIRE - DURHAM	C TREES	GSFC	C VOROSMARTY	NAG 5 12451	345
99	UNIV OF NEW HAMPSHIRE - DURHAM	D DETROYE	GSFC	D BARTLETT	NGT 5 40088	346
99	UNIV OF NEW HAMPSHIRE - DURHAM	D E WICKLAND	GSFC	B MOORE	NAG 5 10135	343
99	UNIV OF NEW HAMPSHIRE - DURHAM	D WICKLAND	GSFC	S OLLINGER	NAG 5 11310	344
99	UNIV OF NEW HAMPSHIRE - DURHAM	J MARRA	GSFC	C VOROSMARTY	NAG 5 10260	343
99	UNIV OF NEW HAMPSHIRE - DURHAM	J MARRA	GSFC	J W CAMPBELL	NAG 5 11258	344
99	UNIV OF NEW HAMPSHIRE - DURHAM	J SPANN	GSFC	C FARRUGIA	NAG 5 12189	344
99	UNIV OF NEW HAMPSHIRE - DURHAM	K BLANDING	GSFC	E MOBIUS	NGT 5 50381	346
99	UNIV OF NEW HAMPSHIRE - DURHAM	M WEITH	GSFC	J E DIBB	NGT 5 30349	346
99	UNIV OF NEW HAMPSHIRE - DURHAM	W ABDALATI	GSFC	M FAHNESTOCK	NAG 5 12365	344
99	UNIV OF NEW HAMPSHIRE - DURHAM	W J WAGNER	GSFC	P A ISENBERG	NAG 5 10835	343
99	UNIV OF NEW HAMPSHIRE - DURHAM	W J WAGNER	GSFC	T G FORBES	NAG 5 10977	344
99	UNIV OF NEW HAMPSHIRE - DURHAM	W J WAGNER	GSFC	B J VASQUEZ	NAG 5 10988	344
99	UNIV OF NEW HAMPSHIRE - DURHAM	W WAGNER	GSFC	M L MCCONNEL	NAG 5 10203	343
99	UNIV OF NEW HAMPSHIRE - DURHAM	W WAGNER	GSFC	C FARRUGIA	NAG 5 10883	344
99	UNIV OF NEW HAMPSHIRE - DURHAM	W WAGNER	GSFC	J J CONNEL	NAG 5 12493	345
99	UNIV OF NEW MEXICO-ALBUQUERQUE	A CARDENAS	ARC	P DORATO	NAG 2 1480	360
99	UNIV OF NEW MEXICO-ALBUQUERQUE	G S LEE	ARC	M JAMSHIDI	NAG 2 1196	360
99	UNIV OF NEW MEXICO-ALBUQUERQUE	A TUYAHOV	GSFC	S MORAIN	NCC 5 309	363
99	UNIV OF NEW MEXICO-ALBUQUERQUE	L P CHAMBERS	GSFC	P J BOYCE	NAG 5 11561	362
99	UNIV OF NEW MEXICO-ALBUQUERQUE	M MATHEWS	GSFC	L CROSSEY	NCC 5 350	363
99	UNIV OF NEW MEXICO-ALBUQUERQUE	M WEI	GSFC	B MILNE	NGT 5 30227	363
99	UNIV OF NEW MEXICO-ALBUQUERQUE	R CROUCH	GSFC	J BRINKER	NAG 5 8821	361
99	UNIV OF NEW MEXICO-ALBUQUERQUE	L ARMENDARIZ	JSC	H E NEWSOM	NAG 9 1017	363
99	UNIV OF NEW ORLEANS	R MILLER	SSC	J CORBINO	NGT13 52749	234

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99	UNIV OF NORTH CAROLINA - CHAPEL HILL	L BILBROUGH	GSFC	R R GOLWALS	NAG 5 12504	397
99	UNIV OF NORTH CAROLINA - CHAPEL HILL	L SMITH	GSFC	T M WHITMORE	NGT 5 30177	398
99	UNIV OF NORTH CAROLINA - CHAPEL HILL	L SMITH	GSFC	R W MURRAY	NGT 5 50311	398
99	UNIV OF NORTH CAROLINA - CHAPEL HILL	M WEI	GSFC	J BANE	NGT 5 30389	398
99	UNIV OF NORTH CAROLINA - CHAPEL HILL	M WEI	GSFC	L BAND	NGT 5 30390	398
99	UNIV OF NORTH CAROLINA	L BILLBROUGH	GSFC	W R VEAL	NAG 5 12537	398
99	UNIV OF NORTH DAKOTA	A TUYAHOV	GSFC	G SEIELSTAD	NAG 5 12054	399
99	UNIV OF NORTH DAKOTA	A TUYAHOV	GSFC	G SEIELSTAD	NCC 5 310	399
99	UNIV OF NORTH DAKOTA	D D DETROYE	GSFC	R ANDRES	NGT 5 40117	399
99	UNIV OF NORTH DAKOTA	D DETROYE	GSFC	C WOOD	NCC 5 399	399
99	UNIV OF NORTH DAKOTA	D DETROYE	GSFC	S L DE SILVA	NCC 5 582	399
99	UNIV OF NORTH DAKOTA	C HILL	SSC	P R ZIMMERMAN	NAG13 99006	399
99	UNIV OF NORTH TEXAS	R K DISMUKES	ARC	M BINK	NCC 2 1316	486
99	UNIV OF N TEXAS HLTH SCI CTR - FT. WORTH	C W LLOYD	JSC	M L SMITH	NAG 9 1262	486
99	UNIV OF NOTRE DAME	R LAWRENCE	GRC	S JOHNSON	NAG 3 2418	219
99	UNIV OF OKLAHOMA - NORMAN	D D DETROYE	GSFC	V DUCA-SNOWDEN	NGT 5 40111	425
99	UNIV OF OKLAHOMA - NORMAN	D DETROYE	GSFC	V DUCA-SNOWDEN	NCC 5 398	425
99	UNIV OF OKLAHOMA - NORMAN	D DETROYE	GSFC	V DUCA-SNOWDEN	NCC 5 586	425
99	UNIV OF OKLAHOMA - NORMAN	D DETROYE	GSFC	V DUCA-SNOWDEN	NGT 5 40013	425
99	UNIV OF OKLAHOMA - NORMAN	J DASCH	GSFC	V DUCA-SNOWDEN	NCC 5 171	425
99	UNIV OF OREGON - EUGENE	P E HUNTER	GSFC	J SCHOMBERT	NAG 5 11300	430
99	UNIV OF PENNSYLVANIA	K BLANDING	GSFC	D HAMMER	NGT 5 50415	448
99	UNIV OF PENNSYLVANIA	L SMITH	GSFC	D A HAMMER	NGT 5 50267	448
99	UNIV OF PENNSYLVANIA	M WEI	GSFC	D HAI-LUNG	NGT 5 30460	448
99	UNIV OF PENNSYLVANIA	R CROUCH	GSFC	D N METAXAS	NAG 5 8767	447
99	UNIV OF PENNSYLVANIA	J STANFORD	JSC	C J LAMBERTSEN	NAG 9 1265	448
99	UNIV OF PITTSBURGH	D SENSKE	GSFC	B HAPKE	NAG 5 12521	450
99	UNIV OF PITTSBURGH	J HILLMAN	GSFC	R JOHNSEN	NAG 5 11959	449
99	UNIV OF PITTSBURGH	K BLANDING	GSFC	M DRUZDZEL	NGT 5 50252	450
99	UNIV OF PITTSBURGH	K BLANDING	GSFC	B J YATES	NGT 5 50292	450
99	UNIV OF PITTSBURGH	K BLANDING	GSFC	B YATES	NGT 5 50408	450
99	UNIV OF PITTSBURGH	L SMITH	GSFC	B J YATES	NGT 5 50256	450
99	UNIV OF PITTSBURGH	L SMITH	GSFC	C L COLBY	NGT 5 50318	450
99	UNIV OF PUERTO RICO - MAYAGUEZ	R ROMERO	GRC	B RAMIREZ	NAG 3 2707	548
99	UNIV OF PUERTO RICO - MAYAGUEZ	D DETROYE	GSFC	D G WEINER	NGT 5 40012	549
99	UNIV OF PUERTO RICO - MAYAGUEZ	D L WILLIAMS	GSFC	R FERNANDEZ-SEIN	NCC 5 518	549
99	UNIV OF PUERTO RICO - MAYAGUEZ	J MARRA	GSFC	J CORREDOR	NAG 5 11296	548
99	UNIV OF PUERTO RICO - MAYAGUEZ	M MATHEWS	GSFC	L MORELL	NCC 5 340	549
99	UNIV OF PUERTO RICO - MAYAGUEZ	J DIGGS	KSC	B RAMIREZ	NAG10 243	549
99	UNIV OF PUERTO RICO-RIO PIEDRAS	M E PEREZ-DAVIS	GRC	C R CABRERA	NAG 3 2749	549
99	UNIV OF PUERTO RICO-RIO PIEDRAS	D DETROYE	GSFC	B R WEINER	NCC 5 407	550
99	UNIV OF PUERTO RICO-RIO PIEDRAS	D DETROYE	GSFC	B WEINER	NCC 5 595	550
99	UNIV OF PUERTO RICO-RIO PIEDRAS	D DETROYE	GSFC	W WEINER	NGT 5 40091	550
99	UNIV OF PUERTO RICO-RIO PIEDRAS	M MENCHAN	GSFC	J AYALA	NAG 5 11814	550
99	UNIV OF PUGET SOUND	M MEYER	GSFC	B PIERSON	NAG 5 12328	527
99	UNIV OF REDLANDS	M V PHELPS	GSFC	J R APPLETON	NAG 5 11366	113
99	UNIV OF REDLANDS	M PHELPS	GSFC	J R APPLETON	NAG 5 12538	113
99	UNIV OF RHODE ISLAND	R A GRYMES	ARC	S D'HONDT	NCC 2 1275	456
99	UNIV OF RHODE ISLAND	J MARRA	GSFC	B UZ	NAG 5 10554	455
99	UNIV OF ROCHESTER	G FOGLEMAN	GSFC	G PAIGE	NAG 5 11557	388
99	UNIV OF ROCHESTER	K BLANDING	GSFC	M BOCKO	NGT 5 50360	388
99	UNIV OF SAN DIEGO	M PHELPS	GSFC	S LOWERY	NAG 5 10049	113
99	UNIV OF SAN DIEGO	M PHELPS	GSFC	F M LAZARUS	NAG 5 11590	113
99	UNIV OF SOUTH ALABAMA	S COLEMAN	MSFC	J E AYLING	NCC 8 249	16
99	UNIV OF SOUTH CAROLINA-COLUMBIA	D DETROYE	GSFC	J D ODOM	NCC 5 174	460
99	UNIV OF SOUTH CAROLINA-COLUMBIA	J MARRA	GSFC	R THUNELL	NAG 5 11253	460
99	UNIV OF SOUTH CAROLINA-COLUMBIA	MMEYERS	GSFC	J BERNHARD	NAG 5 12339	460
99	UNIV OF SOUTH CAROLINA-COLUMBIA	N SOVIK	SSC	J JENSEN	NCC13 00003	460
99	UNIV OF SOUTH FLORIDA	J MARRA	GSFC	S ANDREFOUET	NAG 5 10908	176
99	UNIV OF SOUTH FLORIDA	J MARRA	GSFC	F MULLER-KARGER	NAG 5 11254	176
99	UNIV OF SOUTH FLORIDA	K BLANDING	GSFC	P COBLE	NGT 5 30346	176
99	UNIV OF SOUTH FLORIDA	M WEI	GSFC	F MULLER-KARGER	NGT 5 30414	176
99	UNIV OF SOUTH FLORIDA	K BLANDING	HQ	J WALSH	NGT 5 50422	176
99	UNIV OF SOUTHERN CALIFORNIA	D SPEARS	GSFC	S SADHAL	NAG 5 11304	116
99	UNIV OF SOUTHERN CALIFORNIA	W J WAGNER	GSFC	P K GANGOPADHAY	NAG 5 10989	115
99	UNIV OF SOUTHERN CALIFORNIA	W J WAGNER	GSFC	E J RHODES	NAG 5 11001	115

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99	UNIV OF SOUTHERN CALIFORNIA	P DOTY	MSFC	S SADHAL	NAG 8 1663	116
99	UNIV OF SOUTHERN CALIFORNIA	P DOTY	MSFC	P RONNEY	NAG 8 1701	116
99	UNIV OF TENNESSEE - KNOXVILLE	J M BOYCE	GSFC	L A TAYLOR	NAG 5 11558	465
99	UNIV OF TENNESSEE - KNOXVILLE	K BLANDING	GSFC	H Y MCSWEEN	NGT 5 50286	466
99	UNIV OF TENNESSEE - KNOXVILLE	M HARTMAN	GSFC	R GREENBERG	NAG 5 12134	465
99	UNIV OF TENNESSEE - KNOXVILLE	R CROUCH	GSFC	G S SAYLER	NAG 5 8760	464
99	UNIV OF TENNESSEE - KNOXVILLE	W WAGNER	GSFC	L TOWNSEND	NAG 5 12477	465
99	UNIV OF TEXAS - ARLINGTON	M WEI	GSFC	D COOK	NGT 5 30382	486
99	UNIV OF TEXAS - AUSTIN	D D DETROYE	GSFC	B TAPLEY	NGT 5 40083	492
99	UNIV OF TEXAS - AUSTIN	D L CARTER	GSFC	P J SHELUS	NAS 5 01096	491
99	UNIV OF TEXAS - AUSTIN	J HILLMAN	GSFC	D GOLDSTEIN	NAG 5 11991	490
99	UNIV OF TEXAS - AUSTIN	J LABRECQUE	GSFC	B D TAPLEY	NAG 5 9989	489
99	UNIV OF TEXAS - AUSTIN	J MCGARRY	GSFC	P J SHELUS	NAS 5 32997	491
99	UNIV OF TEXAS - AUSTIN	K BLANDING	GSFC	M CRAWFORD	NGT 5 50239	492
99	UNIV OF TEXAS - AUSTIN	K BLANDING	GSFC	C OCAMPO	NGT 5 50361	492
99	UNIV OF TEXAS - AUSTIN	K BLANDING	GSFC	S ROUX	NGT 5 50371	492
99	UNIV OF TEXAS - AUSTIN	K BLANDING	GSFC	N EVANS	NGT 5 50401	492
99	UNIV OF TEXAS - AUSTIN	L SMITH	GSFC	G J HILL	NGT 5 50301	492
99	UNIV OF TEXAS - AUSTIN	M SALOMON	GSFC	P J SHELUS	NAG 5 10195	489
99	UNIV OF TEXAS - AUSTIN	M WEI	GSFC	C WILSON	NGT 5 30447	492
99	UNIV OF TEXAS - AUSTIN	M WEI	GSFC	B TAPLEY	NGT 5 30468	492
99	UNIV OF TEXAS - AUSTIN	T MORGAN	GSFC	E BARKER	NAG 5 10183	489
99	UNIV OF TEXAS - AUSTIN	W J WAGNER	GSFC	P KUMAR	NAG 5 12299	490
99	UNIV OF TEXAS - AUSTIN	D J PEARSON	JSC	R H BISHOP	NGT 9 20	492
99	UNIV OF TEXAS - AUSTIN	H C MANDELL	JSC	B D TAPLEY	NAG 9 1060	490
99	UNIV OF TEXAS - DALLAS	M E MELLOTT	GSFC	R A HEELIS	NGT 5 50354	493
99	UNIV OF TEXAS - DALLAS	M MELLOTT	GSFC	R HEELIS	NAG 5 10271	493
99	UNIV OF TEXAS - DALLAS	P HUNTER	GSFC	M HAIRSTON	NAG 5 9297	493
99	UNIV OF TEXAS - EL PASO	J BRADEN	DFRC	R WICKER	NAG 4 150	493
99	UNIV OF TEXAS - EL PASO	C HOLLINGSWORTH	GSFC	S BLAKE	NCC 5 468	494
99	UNIV OF TEXAS - EL PASO	J HARRINGTON	GSFC	H L SCHULTE	NCC 5 535	494
99	UNIV OF TEXAS - EL PASO	J LAMBRECQUE	GSFC	S STARKS	NCC 5 498	494
99	UNIV OF TEXAS - EL PASO	B DELIWALA	KSC	R QUINTANA	NAG10 225	494
99	UNIV OF TEXAS AT BROWNSVILLE	B WHITE	GSFC	J TELESE	NCC 5 438	494
99	UNIV OF TEXAS AT BROWNSVILLE	L ARMENDARIZ	JSC	O RIVAS	NAG 9 1054	494
99	UNIV OF TEXAS AT BROWNSVILLE	L ARMENDARIZ	JSC	A RIVAS	NAG 9 1304	494
99	UNIV OF TEXAS AT BROWNSVILLE	L M ARMENDARIZ	JSC	H SILVA	NAG 9 1406	494
99	UNIV OF TEXAS AT BROWNSVILLE	L MARMENDARIZ	JSC	L V LOF	NAG 9 1391	494
99	UNIV OF TEXAS AT SAN ANTONIO	B J COLLINS	ARC	A T CHRONPOULOS	NAG 2 1383	495
99	UNIV OF TEXAS AT SAN ANTONIO	M J LEON	ARC	R F SINCOVEC	NAG 2 6040	495
99	UNIV OF TEXAS AT SAN ANTONIO	M MATEU	GSFC	M P BERRIOZABAL	NAG 5 11741	495
99	UNIV. OF TX-HLTH SCIENCE CTR-HOUSTON	M GERNHARDT	JSC	B BUTLER	NCC 9 82	485
99	UNIV OF TEXAS-PAN AMERICAN	M MATEU	GSFC	H MEDRANO	NAG 5 11928	484
99	UNIV OF TEXAS-PAN AMERICAN	M MATEU	GSFC	H MEDRADO	NAG 5 12549	484
99	UNIV OF THE INCARNATE WORD	B WHITE	GSFC	J BEAUFORD	NCC 5 465	495
99	UNIV OF TOLEDO	H HASAN	GSFC	S R FEDERMAN	NAG 5 11440	421
99	UNIV OF TOLEDO	J BOYCE	GSFC	P JAMES	NAG 5 12186	421
99	UNIV OF TURABO	M MATEAU	GSFC	A M COURTIE	NAG 5 11727	550
99	UNIV OF UTAH	D D DETROYE	GSFC	W WESTENSKOW	NGT 5 40101	498
99	UNIV OF UTAH	K BLANDING	GSFC	S MILLER	NGT 5 50410	498
99	UNIV OF UTAH	M WEI	GSFC	G MACE	NGT 5 30398	498
99	UNIV OF UTAH	M WEI	GSFC	E SIPZER	NGT 5 30423	498
99	UNIV OF VERMONT	D DETROYE	GSFC	W LAKIN	NCC 5 394	501
99	UNIV OF VERMONT	D DETROYE	GSFC	W D LAKIN	NCC 5 581	501
99	UNIV OF VERMONT	D DETROYE	GSFC	W LAKIN	NGT 5 40110	501
99	UNIV OF VERMONT	J DASCH	HQ	W D LAKIN	NGT 5 40045	501
99	UNIV OF VIRGINIA	D HALE	GSFC	D BALL	NAG 5 12405	520
99	UNIV OF VIRGINIA	D SENSKE	GSFC	A D HOWARD	NAG 5 11647	519
99	UNIV OF VIRGINIA	J HILLMAN	GSFC	R E JOHNSON	NAG 5 12061	519
99	UNIV OF VIRGINIA	K BLANDING	GSFC	R JOHNSON	NGT 5 50385	521
99	UNIV OF VIRGINIA	L SMITH	GSFC	M C WIENER	NGT 5 50305	521
99	UNIV OF VIRGINIA	M MEYER	GSFC	S MACKO	NAG 5 9758	518
99	UNIV OF VIRGINIA	M WEI	GSFC	J FUENTES	NGT 5 30365	521
99	UNIV OF VIRGINIA	M WEI	GSFC	H SHUGART	NGT 5 30418	521
99	UNIV OF VIRGINIA	M WEI	GSFC	P DESANKER	NGT 5 30448	521
99	UNIV OF VIRGINIA	T MORGAN	GSFC	R A BARAGIOLA	NAG 5 12620	520

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99	UNIV OF WASHINGTON	R A GRYMES	ARC	P D WARD	NCC 2 1273	534
99	UNIV OF WASHINGTON	C YUHAS	GSFC	P HOBBS	NCC 5 550	534
99	UNIV OF WASHINGTON	D D DETROYE	GSFC	J DECOSMO	NGT 5 40084	536
99	UNIV OF WASHINGTON	D DETROYE	GSFC	J K DECOSMO	NGT 5 40017	536
99	UNIV OF WASHINGTON	D SENSKE	GSFC	K HOLSAPPLE	NAG 5 11446	532
99	UNIV OF WASHINGTON	G ASRAR	GSFC	D HEGG	NGT 5 30121	535
99	UNIV OF WASHINGTON	J F SPANN	GSFC	M J BRITTNACHER	NAG 5 10903	532
99	UNIV OF WASHINGTON	K BLANDING	GSFC	J BARDEEN	NGT 5 50298	536
99	UNIV OF WASHINGTON	K OGILVIE	GSFC	G PARKS	NAG 5 7114	528
99	UNIV OF WASHINGTON	K PARTINGTON	GSFC	D LETTENMAIER	NAG 5 10092	531
99	UNIV OF WASHINGTON	L SMITH	GSFC	R WINGLEE	NGT 5 50285	536
99	UNIV OF WASHINGTON	L SMITH	GSFC	J DALCANTON	NGT 5 50299	536
99	UNIV OF WASHINGTON	M WEI	GSFC	R TYLER	NAG 5 10570	531
99	UNIV OF WASHINGTON	M WEI	GSFC	C NEWHALL	NGT 5 98	535
99	UNIV OF WASHINGTON	M WEI	GSFC	R HOUZE	NGT 5 30378	536
99	UNIV OF WASHINGTON	M WEI	GSFC	J RICHEY	NGT 5 30427	536
99	UNIV OF WASHINGTON	M WEI	GSFC	C RAYMOND	NGT 5 30445	536
99	UNIV OF WASHINGTON	P E HUNTER	GSFC	T R QUINN	NAG 5 11892	533
99	UNIV OF WASHINGTON	P SAKIMOTO	GSFC	J H LUTZ	NCC 5 605	535
99	UNIV OF WASHINGTON	S DAVISON	GSFC	V VOGEL	NAG 5 8784	530
99	UNIV OF WASHINGTON	W ABDALATI	GSFC	P MOURAD	NAG 5 10114	531
99	UNIV OF WASHINGTON	W ABDALATI	GSFC	D WINEBRENNER	NAG 5 10225	531
99	UNIV OF WASHINGTON	W ABDALATI	GSFC	R LINDSAY	NAG 5 10621	531
99	UNIV OF WASHINGTON	W ABDALATI	GSFC	J MORRISON	NAG 5 11386	532
99	UNIV OF WASHINGTON	C W LLOYD	JSC	F H SHEEHAN	NAG 9 1258	533
99	UNIV OF WASHINGTON	D HARM	JSC	D E PARKER	NCC 9 56	535
99	UNIV OF WASHINGTON	D L JAN	JSC	D STAHL	NAG 9 1271	534
99	UNIV OF WASHINGTON	G L MADDREA	LARC	J R HOLTON	NAG 1 2193	527
99	UNIV OF WEST FLORIDA	B H WHITAKER	ARC	A J CANAS	NCC 2 1036	177
99	UNIV OF WEST FLORIDA	R CROUCH	GSFC	A K RAJ	NAG 5 8782	177
99	UNIV OF WISCONSIN - GREEN BAY	D D DETROYE	GSFC	R A YINGST	NGT 5 40097	539
99	UNIV OF WISCONSIN - MADISON	W W DOLCI	ARC	C M JOHNSON	NCC 2 5449	545
99	UNIV OF WISCONSIN - MADISON	D WICKLAND	GSFC	S T GOWER	NAG 5 11242	543
99	UNIV OF WISCONSIN - MADISON	G STRINGFELLOW	GSFC	P TIMBIE	NAG 5 10204	543
99	UNIV OF WISCONSIN - MADISON	H HASAN	GSFC	J E LAWLER	NAG 5 11436	543
99	UNIV OF WISCONSIN - MADISON	J HILLMAN	GSFC	L A SROMOVSKY	NAG 5 12012	544
99	UNIV OF WISCONSIN - MADISON	J HILLMAN	GSFC	W M HARRIS	NAG 5 12057	544
99	UNIV OF WISCONSIN - MADISON	J HILLMAN	GSFC	L A SROMOVSKY	NAG 5 12206	544
99	UNIV OF WISCONSIN - MADISON	J MARRA	GSFC	A WINGUTH	NAG 5 11245	543
99	UNIV OF WISCONSIN - MADISON	L SMITH	GSFC	J FOLEY	NGT 5 30176	546
99	UNIV OF WISCONSIN - MADISON	L SMITH	GSFC	J S GALLAGHER	NGT 5 50295	546
99	UNIV OF WISCONSIN - MADISON	M WEI	GSFC	J FOLEY	NGT 5 30396	546
99	UNIV OF WISCONSIN - MADISON	P DECOLA	GSFC	M HITCHMAN	NAG 5 11303	543
99	UNIV OF WISCONSIN - MADISON	T LEE	GSFC	G WAHBA	NAG 5 10273	543
99	UNIV OF WISCONSIN - MADISON	A PEEK	SSC	T LILLESAND	NCC13 00004	546
99	UNIV OF WISCONSIN - MADISON	C HILL	SSC	G DIAK	NAG13 99008	545
99	UNIV OF WYOMING	D BOGAN	GSFC	R N HOWELL	NAG 5 8917	547
99	UNIV OF WYOMING	D D DETROYE	GSFC	P E JOHNSON	NGT 5 40102	548
99	UNIV OF WYOMING	D DETROYE	GSFC	P JOHNSON	NCC 5 414	548
99	UNIV OF WYOMING	D DETROYE	GSFC	P E JOHNSON	NCC 5 578	548
99	UNIV OF WYOMING	D SENSKE	GSFC	R R HOWELL	NAG 5 11730	547
99	UNIV OF WYOMING	J GRANT	GSFC	R HOWELL	NAG 5 8904	547
99	UNIV OF WYOMING	G L MADDREA	LARC	T DESHLER	NAG 1 2164	547
99	UTAH STATE UNIV	D DETROYE	GSFC	D BAKER	NGT 5 40047	500
99	UTAH STATE UNIV	D WICKLAND	GSFC	M WHITE	NAG 5 11282	499
99	UTAH STATE UNIV	J SPANN	GSFC	A R BARAKAT	NAG 5 12170	499
99	UTAH STATE UNIV	K BLANDING	GSFC	T BOSE	NGT 5 50398	500
99	UTAH STATE UNIV	M MELLOTT	GSFC	B G FEJER	NAG 5 10215	499
99	UTAH STATE UNIV	P BUCHANAN	GSFC	J J SOJKA	NAG 5 12117	499
99	UTAH STATE UNIV	A PEEK	SSC	R D RAMSEY	NCC13 00005	500
99	VA POLYTECH INST & ST UNIV	K BLANDING	GSFC	W G HERBERT	NGT 5 50425	526
99	VA POLYTECH INST & ST UNIV	L SMITH	GSFC	B M KLEINER	NGT 5 50260	526
99	VANDERBILT UNIV	D D DETROYE	GSFC	A M STRAUSS	NGT 5 40074	467
99	VANDERBILT UNIV	L KEFFER	GSFC	A M STRAUSS	NGT 5 40054	467
99	VANDERBILT UNIV	L P CHAMBERS	GSFC	T G WANG	NAG 5 12429	466
99	VANDERBILT UNIV	P DOTY	MSFC	K A DEBELAK	NAG 8 1662	466

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99	VANDERBILT UNIV	P DOTY	MSFC	R J BAYUZICK	NAG 8 1677	467
99	VANDERBILT UNIV	S COLEMAN	MSFC	S H SMARTT	NCC 8 255	467
99	VIRGINIA COMMONWEALTH UNIV	J S LOGAN	JSC	R C MERRELL	NCC 9 87	526
99	VIRGINIA COMMONWEALTH UNIV	J S LOGAN	JSC	R C MERRELL	NCC 9 148	526
99	VOORHEES COLL	C PERSON	GSFC	C SMITH	NAG 5 9624	460
99	WASHINGTON STATE UNIV	M AVERNER	GSFC	B W POOVAIAH	NAG 5 11364	537
99	WASHINGTON STATE UNIV	M WEI	GSFC	L JAEGLE	NAG 5 10637	537
99	WASHINGTON UNIV - ST. LOUIS	D E SMITH	GSFC	R J PHILLIPS	NAG 5 4435	328
99	WASHINGTON UNIV - ST. LOUIS	D SENSKE	GSFC	R ARVIDSON	NAG 5 10158	330
99	WASHINGTON UNIV - ST. LOUIS	D SENSKE	GSFC	B JOLLIFF	NAG 5 10227	330
99	WASHINGTON UNIV - ST. LOUIS	J HILLMAN	GSFC	B FEGLEY	NAG 5 11958	331
99	WASHINGTON UNIV - ST. LOUIS	K BLANDING	GSFC	M ISRAEL	NGT 5 50240	332
99	WASHINGTON UNIV - ST. LOUIS	K BLANDING	GSFC	J AMEND	NGT 5 50348	332
99	WASHINGTON UNIV - ST. LOUIS	K BLANDING	GSFC	M ISRAEL	NGT 5 50386	332
99	WASHINGTON UNIV - ST. LOUIS	K BLANDING	GSFC	M SWARTOUT	NGT 5 50402	332
99	WASHINGTON UNIV - ST. LOUIS	M MEYER	GSFC	A WANG	NAG 5 12114	331
99	WASHINGTON UNIV - ST. LOUIS	P CRANE	GSFC	C M WILL	NAG 5 10186	330
99	WESLEYAN UNIV	P E HUNTER	GSFC	M S GILMORE	NAG 5 12001	145
99	WEST VIRGINIA STATE COLL	M MATHEWS	GSFC	J MAYHUGH	NAG 5 11088	537
99	WEST VIRGINIA STATE COLL	M MATHEWS	GSFC	E V GRIFFIN	NAG 5 11103	537
99	WEST VIRGINIA UNIV	D OZBURN	ARC	K DAVIS	NCC 2 6043	538
99	WEST VIRGINIA UNIV	D DETROYE	GSFC	M JARAIEDI	NCC 5 406	538
99	WEST VIRGINIA UNIV	D DETROYE	GSFC	M JARAIEDI	NCC 5 570	538
99	WEST VIRGINIA UNIV	D DETROYE	GSFC	M JARAIEDI	NGT 5 40120	538
99	WEST VIRGINIA UNIV	G BLANEY	GSFC	E J PYLE	NAG 5 12608	538
99	WEST VIRGINIA UNIV	L KEFFER	GSFC	M JARAIEDI	NGT 5 40055	538
99	WEST VIRGINIA UNIV	M MELLOTT	GSFC	M KOEPKE	NAG 5 10218	538
99	WESTERN KENTUCKY UNIV	D D DETROYE	GSFC	R HACKNEY	NGT 5 40105	230
99	WESTERN KENTUCKY UNIV	D DETROYE	GSFC	R HACKNEY	NCC 5 222	229
99	WESTERN KENTUCKY UNIV	D DETROYE	GSFC	R HACKNEY	NCC 5 396	229
99	WESTERN KENTUCKY UNIV	D DETROYE	GSFC	R HACKNEY	NCC 5 571	230
99	WESTERN KENTUCKY UNIV	L KEFFER	GSFC	R HACKNEY	NGT 5 40051	230
99	WHEELING JESUIT UNIV	N CHEEKS	GSFC	J P ALLEN	NCC 5 440	539
99	WHEELING JESUIT UNIV	P SAKIMOTO	GSFC	N NAIK	NCC 5 604	539
99	WHEELING JESUIT UNIV	P STEFFEN	GSFC	N STRUM	NAG 5 12489	539
99	WHEELING JESUIT UNIV	S CANRIGHT	GSFC	N NAIK	NCC 5 451	539
99	WILLIAM JEWELL COLL	M P BODIFORD	MSFC	P BUNTON	NAG 8 1851	332
99	WOODS HOLE OCEANOGRAPHIC INST	C TREES	GSFC	S DONEY	NAG 5 12520	302
99	WOODS HOLE OCEANOGRAPHIC INST	E LINDTSROM	GSFC	R SCHMITT	NAG 5 12444	302
99	WOODS HOLE OCEANOGRAPHIC INST	J MARRA	GSFC	D MCGILLICUDDY	NAG 5 11265	302
99	WORCESTER POLYTECH INST	S J BRODEUR	GSFC	F J LOOFT	NAG 5 10712	303
99	WORCESTER POLYTECH INST	S J BRODEUR	GSFC	F J LOOFT	NAG 5 11755	303
99	WRIGHT STATE UNIV	R S WILLIAMS	GSFC	S MOHLER	NGT 5 30428	423
99	XAVIER UNIV - LOUISIANA	C COLLINGSWORTH	GSFC	A CHATTERS	NGT 5 70010	234
99	XAVIER UNIV - LOUISIANA	C PERSON	GSFC	A Z CHATTERS	NGT 5 90086	235
99	XAVIER UNIV - LOUISIANA	R TRAVIS	JSC	S O'CONNOR	NAG13 98006	234
99	YALE UNIV	G GUTMAN	GSFC	L M CURRAN	NAG 5 11335	147
99	YALE UNIV	K BLANDING	GSFC	C E BAILYN	NGT 5 50287	148
99	YALE UNIV	M WEI	GSFC	D FISH	NGT 5 30371	147
99	YALE UNIV	M WEI	GSFC	L M CURRAN	NGT 5 30457	148