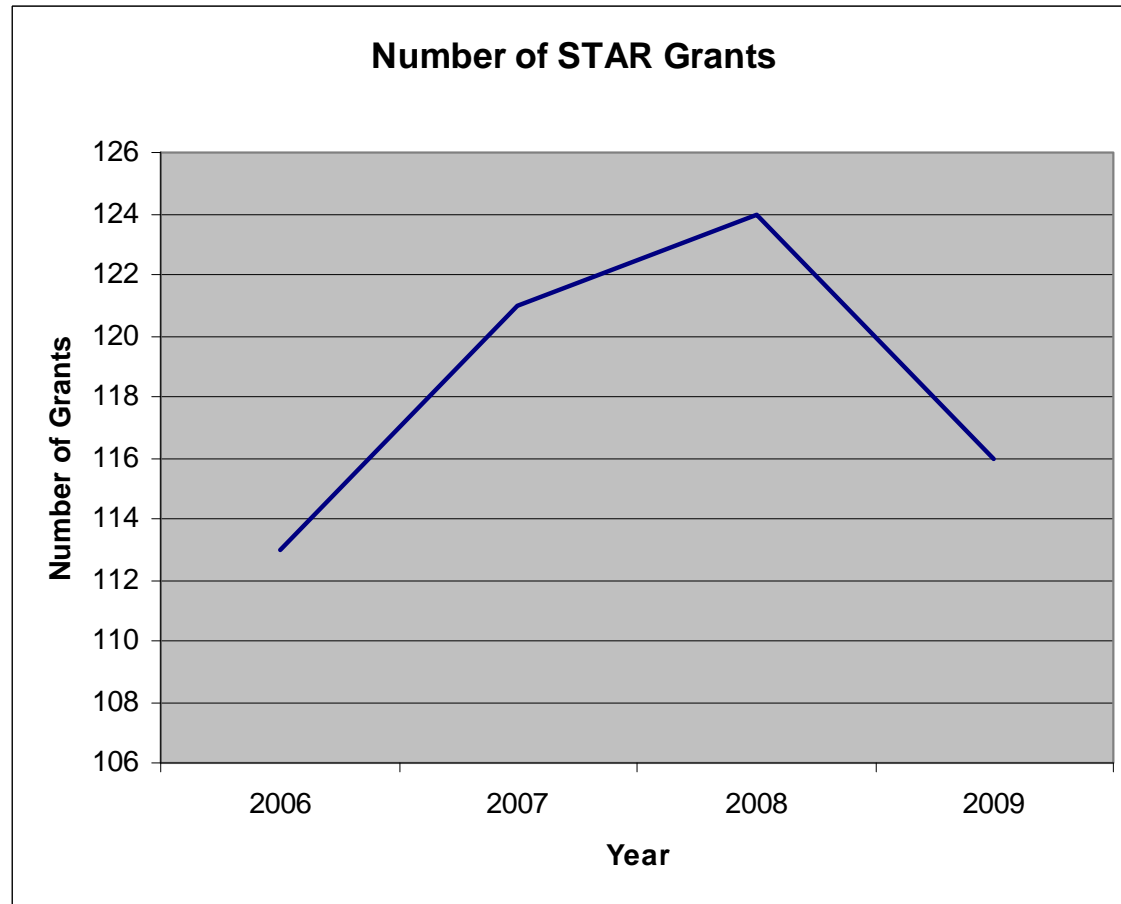
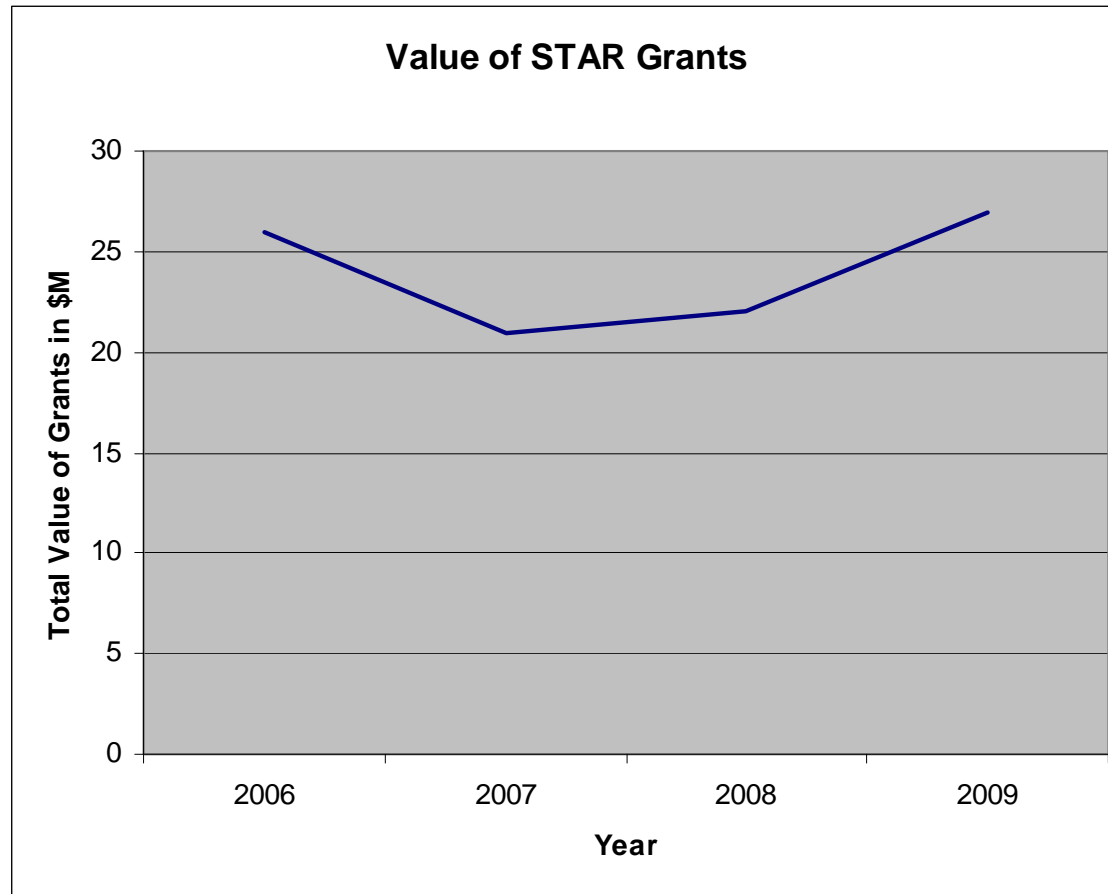


GRANTS





GRANTS AWARDED BY STAR - FY 2006				
Proposal title	Period of Performance	Recipient	PI	Amount Funded
BOR of the Univ. of Wisconsin	1/1/06-12/31/06	Univ. of Wisconsin, CIMSS	S. Ackermann	\$ 250,000
CIMSS Participation in the GOES-R3 Program	4/1/06-12/31/06	Univ. of Wisconsin, CIMSS	S. Ackermann	\$ 1,400,000
CIMSS Research Activities in the NOAA Ground System	4/1/06-12/31/06	Univ. of Wisconsin, CIMSS	S. Ackermann	\$ 76,000
CIMSS Participation in the GOES GIMPAP	4/1/06-12/31/06	Univ. of Wisconsin, CIMSS	S. Ackermann	\$ 452,750
CIMSS Research Study of the Hyperspectral Environmental Suite (HES) Data Compression	4/1/06-12/31/06	Univ. of Wisconsin, CIMSS	B. Huang	\$ 350,000
CIMSS Instrument and Scan Scenario Studies on the Next Generation GOES Sounder (HES) and Imager (ABI)	4/1/06-12/31/06	Univ. of Wisconsin, CIMSS	J. Li	\$ 350,000
Polar Winds from Satellite Imagers and Sounders	5/1/06-12/31/06	Univ. of Wisconsin, CIMSS	C. Velden	\$ 78,000
"CIMSS Research Activities in Support of Geostationary and Polar Orbiting Weather Satellite Science Topics"	5/1/06-12/31/06	Univ. of Wisconsin, CIMSS	S. Ackermann	\$ 534,000
CIMSS Research Activities in Support of the GOES-R Algorithm Working Group (AWG) Program	4/1/06-3/31/07	Univ. of Wisconsin, CIMSS	A. Huang	\$ 1,470,000
Support for Planning of Assessment and Implementation Strategies for the WVSS-II Aircraft Borne Water Vapor Sensing System: Year 2	5/1/06-12/31/06	Univ. of Wisconsin, CIMSS	R. Peterson	\$ 96,119
Continued Advancement of the UW-CIMSS Advanced Dvorak Technique (ADT)	6/1/06-12/31/06	Univ. of Wisconsin, CIMSS	T. Olander	\$ 60,000
CIMSS Hyperspectral Data Processing Demonstration	7/1/06-2/28/07	Univ. of Wisconsin, CIMSS	B. Knuteson	\$ 200,000
Satellite Data Impact Studies in the GFS incl. MOWSAP2 (MODIS Winds) & AIRS Radiance Assimilation Exp.	6/1/06-2/28/07	Univ. of Wisconsin, CIMSS	T. Zapotocny	\$ 290,000

CIMSS Studies for the Community Radiative Transfer Model in 2006	6/1/06-12/31/06	Univ. of Wisconsin, CIMSS	P. van Diest	\$ 156,000
Understanding Marine Bio-Physical Feedback in the Coupled Ocean-Atmosphere Sys. Using Ocean Color Remote Sensing Information	6/1/06-12/31/06	Univ. of Wisconsin, CIMSS	Z. Liu	\$ 83,722
CIMSS Research Activities in the Visit Program	6/1/06-12/31/06	Univ. of Wisconsin, CIMSS	S. Ackermann	\$ 200,000
Generating & Validating NPOESS Products at Direct Broadcast Sites in the Arctic & Antarctic	6/1/06-12/31/06	Univ. of Wisconsin, CIMSS	S. Ackermann J. Key	\$ 105,000
CIMSS SHYMET	7/1/06-6/30/07	Univ. of Wisconsin, CIMSS	S. Ackermann	\$ 75,000
Development & Applic. Of a 20-yr. Satellite-Derived Wind Data Set for the Polar Regions	6/1/06-12/31/06	Univ. of Wisconsin, CIMSS	C. Velden J. Key	\$ 35,000
Cloud Climatology Using the AVHRR Pathfinder Atmospheres Extended (PATMOS-x) System Amd#61	7/1/06-4/30/07	Univ. of Wisconsin, CIMSS	S. Ackermann A. Heidinger	\$ 68,000
NCEP/EMC International Model Support Activities	6/1/06-12/31/06	Univ. of Wisconsin, CIMSS	R. Peterson	\$ 15,000
NOAA EOPA Remote Sensing & CIMSS IMAPP Training & Education Workshop	7/1/06-12/31/06	Univ. of Wisconsin, CIMSS	A. Huang	\$ 48,291
A Study on Extended GOES Operations at High Inclinations	7/1/06-12/31/06	Univ. of Wisconsin, CIMSS	T. Achtor	\$ 30,000
Radiance Calibration/Validation, cloud Property Determination & Combined Geometric Plus...	7/1/06-3/31/07	Univ. of Wisconsin, CIMSS	S. Ackermann	\$ 190,000
VIIRS Cloud Studies for the National Polar-Orbiting Operational Environmental Satellite Sys. (NPOESS)	07/01/2006-3/31/07	Univ. of Wisconsin, CIMSS	S. Ackermann	\$ 265,000
				\$ 6,877,882
Proposal title	Period of Performance	Recipient	PI	Amount Funded
Homogenization of MSU/AMSU time series for climate change studies	5/1/06-4/30/07	Univ. of Maryland, CICS	K. Vinnikov	\$ 120,000
Assessing the impact and variability of Cocolithophorid Blooms in the Ocean Carbon Cycle	6/1/06-5/30/07	Univ. of Maryland, CICS	R. Murtugudde	\$ 167,271
Advanced Study Institute for Environmental Prediction (soft earmark)	6/1/06-5/31/2011	Univ. of Maryland, CICS	S. Busalacchi	\$ 1,384,361

NPOESS Data Exploitation (NDE) - Precipitation Retrieval	7/15/06-7/14/07	Univ. of Maryland, CICS	R. Ferraro	\$ 50,000
Generate GOES L2P SST Dataset	8/1/06-7/31/07	Univ. of Maryland, CICS	A. Harris	\$ 20,455
Improved Global Precipitation Estimates for the Global Precipitation Climatology Report (GPCP)	9/1/06-8/31/07	Univ. of Maryland, CICS	R. Ferraro	\$ 95,000
Enhancement of Satellite Based Precipitation Estimates Using Info. From the Proposed ABI	7/1/06-6/30/09	Univ. of Maryland, CICS	Z. Li	\$ 45,000
GPCP	7/1/06-6/30/07	Univ. of Maryland, CICS	A. Gruber	\$ 76,000
Passive Microwave Hydrological Appcls.	9/1/06-8/31/07	Univ. of Maryland, CICS	D. Villa	\$ 90,000
Warm Season Predictability of Great Plains Hydroclimate	6/1/06-5/31/07	Univ. of Maryland, CICS	S. Nigam	\$ 120,000
Development of Longwave Radiation Budget Products for GOES-R ABI & HES	7/1/06-6/30/07	Univ. of Maryland, CICS	H. Lee	\$ 88,000
Weather & Climate Prediction Student SOW	7/1/06-6/30/07	Univ. of Maryland, CICS	P. Arkin	\$ 17,844
Mgmt. of the Climate Prediction Prog. For the Americas	7/1/06-6/30/07	Univ. of Maryland, CICS	P. Arkin	\$ 120,148
Recalibration of Microwave Sounding Unit for Climate Studies Using...	7/1/06-6/30/07	Univ. of Maryland, CICS	M. Gao	\$ 72,000
JCSDA Windsat Radiance Assimilation Supports	6/1/06-5/31/07	Univ. of Maryland, CICS	Z. Li	\$ 50,000
Regional Climate Data Assimilation System	7/1/06-6/30/07	Univ. of Maryland, CICS	F. Mesinger	\$ 21,000
Assimilation of Satellite Data for Weather & Climate	7/1/06-6/30/07	Univ. of Maryland, CICS	Kazumori	\$ 73,851
Enhancements to Fire Identification, Mapping & Monitoring Algorithm (FIMM)...	5/1/06-4/30/07	Univ. of Maryland, CICS	Z. Li	\$ 172,000
The Importance of Oceanic Mesoscale features for the Seasonal cycle of the Atlantic Marine ITCZ	7/1/06-6/30/07	Univ. of Maryland, CICS	R. Murtugudde	\$ 105,967
Regional Climate Data Assimilation System (R-CDAS) and NAME Data Impact and Prediction Experiments	7/1/06-6/30/07	Univ. of Maryland, CICS	H. Burberry	\$ 44,000
Improved Global & Regional Precipitation Analysis	7/1/06-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 130,000
Evaluating the NCEP Global and Regional NWP Modeled Cloud Vertical Layer Structure Using a New Satellite Product and Simulator		Univ. of Maryland, CICS	Z. Li	\$ 70,000

Course & Workshop on Applic. Of Remote Sensing to Data Assimilation	8/1/06-7/31/07	Univ. of Maryland, CICS	A. Gruber	\$ 100,943
Development of Automated Techniques for Global Monitoring of Snow/Ice cover characteristics & Vegetation Properties from Polar Orbiting & Geostationary Satellites	7/1/06-6/30/07	Univ. of Maryland, CICS	P. Romanov	\$ 142,500
Diagnostic Analysis of Global Precipitation & Circulation Variability	07/01/2006-6/30/07	Univ. of Maryland, CICS	P. Arkin	\$ 160,000
Development & application of a physically-based methodology for bias correlation of AVHRR...	8/1/06-7/31/2007	Univ. of Maryland, CICS	A. Harris	\$ 65,000
GOES-R Proxy Data Preparedness & SSMI Data Processing for Climate Studies	7/1/06-12/31/06	Univ. of Maryland, CICS	Z. Li	\$ 90,000
Assessment of the benefits of Assimilation of GOES-R data onto a Chesapeake Bay...	7/1/06-6/30/07	Univ. of Maryland, CICS	R. Murtugudde	\$ 83,000
CICS - Base funding	9/1/06-8/31/07	Univ. of Maryland, CICS	P. Arkin	\$ 175,000
Precipitation over Land Utilizing High Frequencies in Support of NOAA's climate..	7/1/06-6/30/07	Univ. of Maryland, CICS	N.Wang	\$ 90,000
Development of an Operational Model for Predicting Sea Nettles in Chesapeake Bay	7/1/06-6/30/07	Univ. of Maryland, CICS	R. Murtugudde	\$ 22,500
Geostationary Sea Surface Temperature Product Improvement		Univ. of Maryland, CICS		\$ 145,000
Development & Implementation of an Operational Harmful Algae Bloom Prediction...	7/1/06-6/30/07	Univ. of Maryland, CICS	R. Murtugudde	\$ 48,228
Toward the Development of Verification & Validation Procedures & Package for GOES-R...	01/01/2007-6/30/07	Univ. of Maryland, CICS	X. Zhoa	\$ 67,600
Chesapeake Bay Watershed & Estuarine Ecological Modeling Sys.	8/1/06-7/31/07	Univ. of Maryland, CICS	R. Murtugudde	\$ 120,000
Summer Intern	6/1/06-5/31/07	Univ. of Maryland, CICS	G. Serafino	\$ 8,316
Preparation for SST Retrievals from INSAT-3D	8/1/06-7/31/07	Univ. of Maryland, CICS	A. Harris	\$ 60,000
Studies in support of NOAA's POES-GOES SST Analysis	8/1/06-7/31/07	Univ. of Maryland, CICS	A. Harris	\$ 30,000

Studies in support of GODAE High Resolution SST Pilot proj.	8/1/06-7/31/07	Univ. of Maryland, CICS	A. Harris	\$ 30,000
				\$ 4,570,984
Proposal title	Period of Performance	Recipient	PI	Amount Funded
CIOSS Yr. 4 Omnibus Prop.	04/01/06-3/31/07	Oregon State Univ., CIOSS	T. Strub	\$ 500,208
CIOSS Globec Yr.2 Projects	4/1/06-3/31/07	Oregon State Univ., CIOSS	T. Strub	\$ 333,209
CIOSS Coast Risk Reduction Activities for using GOES-R/HES for Imaging Coast Waters	4/1/06-3/31/08 (2 yr. proposal)	Oregon State Univ., CIOSS	M. Abbott	\$ 1,530,266
"CIOSS Year-4 Supplement - GLOBEC NW Atlantic Year 1 Project	4/1/06-3/31/07	Oregon State Univ., CIOSS	H. Batchelder	\$ 76,764
FY06 Integrated Ocean Observing Sys (IOOS) High Frequency Radar (HFR) Proj.	7/1/06-6/30/07	Oregon State Univ., CIOSS	M. Kosro	\$ 80,000
Satellite Fields, EOS Direct Broadcast & Vector Winds	7/1/06-6/30/07	Oregon State Univ., CIOSS	T. Strub	\$ 413,952
Total				\$ 2,934,399
Proposal title	Period of Performance	Recipient	PI	Amount Funded
CIRA Activities & Participation in GIMPAP	10/1/05-9/30/06	Colorado State Univ., CIRA	T. Vonder Haar	\$ 307,000
Research & Development for GOES-R3 for Mesoscale Weather	07/01/2006-6/30/07	Colorado State Univ., CIRA	T. Vonder Haar	\$ 347,000
NESDIS Postdoc Prog - 2006 (Dash, Ivanova)	1/1/06-12/31/06	Colorado State Univ., CIRA	T. Vonder Haar	\$ 63,706
NESDIS Postdoc Prog - 2006 (Chen)	3/1/06-6/30/07	Colorado State Univ., CIRA	T. Vonder Haar	\$ 115,000
CIRA Support of the Virtual Institute for Satellite Integration Training (VISIT)	1/1/06-12/31/06	Colorado State Univ., CIRA	T. Vonder Haar	\$ 200,000

Advanced Weather (AWIPS) Support for Satellite for Hydro-Meteorology (SHyMet) & VISIT & Training & education	3/1/06-2/28/07	Colorado State Univ., CIRA	B. Connell	\$ 90,000
Satellite Analysis of Atmospheric Rivers	7/1/06-6/30/07	Colorado State Univ., CIRA	T. Vonder Haar J. Dostalek	\$ 35,000
Getting Ready for NOAA's Advanced Remote Sensing Prog. A Satellite Hydro-Meteorology (SHyMet) Trng & Educ.	7/1/06-6/30/07	Colorado State Univ., CIRA	B. Connell	\$ 75,000
CIRA Task I funding	7/1/06-6/30/07	Colorado State Univ., CIRA	T. Vonder Haar	\$ 60,500
Advanced Environmental Satellite Research Support	7/1/06-6/30/07	Colorado State Univ., CIRA	T. Vonder Haar	\$ 240,357
Analysis of Simulated Radiance Fields for GOES-R ABI Bands for Mesoscale Weather & Hazard Events	6/1/06-5/31/07	Colorado State Univ., CIRA	Sengupta Grasso	\$ 99,750
Applications of satellite altimetry data to statistical & simplified dynamical tropical cyclone intensity forecast models	7/1/06-6/30/07	Colorado State Univ., CIRA	Knaff	\$ 45,000
NESDIS Postdocs	7/1/06-6/30/07	Colorado State Univ., CIRA	T. Vonder Haar	\$ 220,000
Development & Evaluation of GOES & POES Products for Tropical Cyclone & Precipitation analysis	1/1/06-12/31/06	Colorado State Univ., CIRA	Knaff, Grasso	\$ 50,000
Weather & Satellite Data & Analysis Equip. & Support for Research Activities	7/1/06-6/30/07	Colorado State Univ., CIRA	T. Vonder Haar	\$ 75,000
NESDIS Postdocs	9/1/06-8/31/07	Colorado State Univ., CIRA	T. Vonder Haar	\$ 161,223
NESDIS Postdocs	7/1/06-/3/31/09	Colorado State Univ., CIRA	T. Vonder Haar	\$ 242,653
NESDIS Postdocs	7/1/06-6/30/07	Colorado State Univ., CIRA	T. Vonder Haar	\$ 164,394
Total				\$ 2,591,583
Proposal title	Period of Performance		PI	Amount
Student Opportunity Learning	4/1/06-3/31/09 (3 yr. proposal)	Univ. of Maryland Eastern Shore	G. Singh	\$ 34,558

FY06 Balloon Based Demo of Instrum. For Measuring Wind...	10/1/05-9/30/06	Univ. of New Hampshire	B. Moore	\$ 3,000,000
Air Quality Remote Sensing -Congressional Earmark	6/1/06-5/31/08 (2 yr. proposal)	Univ. of Alabama, Huntsville	S. Christopher	\$ 1,873,400
Mitigating Local & Regional Agricultural Droughts by Incr. Irrigation Using Cool Season Run-off	7/1/06-6/30/08 (2 yr. proposal)	Univ. of Alabama, Huntsville	J. Christy	\$ 877,000
Univ. of Alabama	8/1/06-7/31/08	Univ. of Alabama, Huntsville	J. Christy	\$ 625,000
North Carolina State Univ.	08/01/2006-7/31/07	North Carolina State Univ.	L. Pietrafesa	\$ 400,000
Integrating Recent Remote Sensing Products to Improve the Representation of Vegetation & Transportation Processes in the Noah Land Surface Model	6/1/06-5/31/07	UCAR	F. Chen	\$ 139,733
Improving clouds & Precipitation for NWP Assimilation using Satellite Measurements	6/1/06-5/31/07	Univ. of Maryland, College Park	Wang	\$ 79,633
Improving Spectroscopy for Microwave Data Assimilation	6/1/06-5/31/07	AER	J. Moncet	\$ 150,000
Use of Kernel Methods in data Selection & Thinning for Satellite Data Assimilation in NWP Models	6/1/06-5/31/07	Univ. of OK	Lesley	\$ 108,236
MOBY LWN Time-series Uncertainty Reduction for Improved Multi-platform Satellite vicarious Calibration	4/1/06-3/31/08 (2 yr. proposal)	San Jose State Univ. Foundation	W. Broenkow	\$ 1,067,508
Atmospheric correction of satellite ocean color imagery in turbid coastal waters: A self-tuning approach	4/1/06-3/31/2008 (2 yr. proposal)	Univ. of South FL	C. Hu	\$ 96,723
Extracting Geophysical Parameters from Multi-Polarization SAR Imagery	4/1/06-3/31/2008 (2 yr. proposal)	Johns Hopkins Univ.	D. Thompson	\$ 75,562
Validation of Ultra High Resolution Scatterometer Wind & Rain in Severe Weather Events	4/1/06-3/31/2008 (2 yr. proposal)	Brigham Young Univ.	D. Long	\$ 82,889
Calibration of Multiple Satellite Altimetry for the Determination of Global Sea Level Rise	4/1/06-3/31/2008 (2 yr. proposal)	Ohio State Univ.	E. Braig	\$ 124,949
Assimilation of MODIS & AMSR-E Land Products into the NOAH LSM...	3rd yr. funding	Institute of Global Environment & Society	P. Houser	\$ 123,656

Development of Improved Forward Models for Retrieval of Snow Properties From EOS-ERA Satellites	6/1/06-5/31/07 (3rd yr. funding)	The Trustees of the Princeton Univ.	E. Wood	\$ 45,000
Development of RT Models Based on the Optimal Spectral Sampling (OSS) Method	(3rd yr. funding)	AER	J. Moncet	\$ 131,137
Development of Improved Forward Models for Retrieval of Snow Properties From EOS-ERA Satellites	6/1/06-5/31/07 3rd yr. funding	Univ. of Washington	D. Lettenmaier	\$ 30,000
				\$ 9,064,984
Grand Total - FY06				\$ 26,039,832

GRANTS AWARDED BY STAR - FY2007				
Proposal title	Period of Performance	Recipient	PI	Amount Funded
CIMSS (Task 1) (Yr. 2 funding)	1/1/07-12/31/07	Univ. of Wisconsin, CIMSS	S. Ackerman	262,502
CIMSS GIMPAP	1/1/07-12/31/07	Univ. of Wisconsin, CIMSS	S. Ackerman	467,000
Instrument & Scan Strategy Studies for Goes-R	4/1/07-12/31/07	Univ. of Wisconsin, CIMSS	J. Li	350,000
An Intercalibration Activity in the GIMPAP	5/1/07-12/31/07	Univ. of Wisconsin, CIMSS	S. Ackerman	46,000
Investigations in Support of the GOES-R Program Ofc.	5/1/07-12/31/07	Univ. of Wisconsin, CIMSS	P. Menzel	75,000
Participation in the GOES-R Risk Reduction Program for 2007	4/1/07-12/31/07	Univ. of Wisconsin, CIMSS	S. Ackerman	800,000
NCEP International Model Support	5/1/07-12/31/07	Univ. of Wisconsin, CIMSS	R. Peterson	8,428
Research Activities in Support of Geostationary & Polar Orbiting Weather Satellite...	5/1/07-12/31/07	Univ. of Wisconsin, CIMSS	S. Ackerman	562,000
Research Activities in the NOAA Ground Systems Prog. For 07	5/1/07-12/31/07	Univ. of Wisconsin, CIMSS	S. Ackerman	110,000
Research Activities in the VISIT Prog. 2007	5/1/07-12/31/07	Univ. of Wisconsin, CIMSS	S. Ackerman	180,000
Research Activities in the SHyMet Prog. 2007	5/1/07-12/31/07	Univ. of Wisconsin, CIMSS	S. Ackerman	75,000
Continued Development of the Community Radiative Transfer Model	5/1/07-12/31/07	Univ. of Wisconsin, CIMSS	P. Van Delst	93,333
Research Activities in Support of the GOES-R Algorithm Working Group (AWG)	6/1/07-3/31/08	Univ. of Wisconsin, CIMSS	A. Huang	2,245,000
A CIMSS Research Study of the Next Generation Geostationary Operational Environmental...	6/1/07-12/31/07	Univ. of Wisconsin, CIMSS	B. Huang	215,000
Polar Winds from Satellite Imagers & Sounders	7/1/07-5/30/08	Univ. of Wisconsin, CIMSS	C. Velden	85,000
Enhanced Cloud Motion Vector Height Assignment Utilizing Active Remote Sensing...	7/1/07-12/31/07	Univ. of Wisconsin, CIMSS	S. Ackerman	50,000

Developing Trng Materials for McIDAS-X Users & Programmers	7/1/07-12/31/07	Univ. of Wisconsin, CIMSS	T. Achtor	21,898
Assimilating & Determining the impact of Sea Surface Winds Measured by Windsat Coriolis in the Global Forecast Sys.	7/1/07-12/31/08	Univ. of Wisconsin, CIMSS	M. Morgan	70,000
Support for Planning & Assessment Strategies with the WVSS-II Airborne Water Vapor Sensing Sys., Yr. 3	7/1/07-6/30/08	Univ. of Wisconsin, CIMSS	R. Peterson	68,077
CIMSS Research Collaborations in Support of NPOESS Science Topics	7/1/07-6/30/08	Univ. of Wisconsin, CIMSS	A. Heidinger J. Key	358,370
Development of IASI Radiance Assimilation within the GSI & Improvements to the Surface...	7/1/07-3/31/08	Univ. of Wisconsin, CIMSS	S. Ackerman	140,000
Monitoring Global Variability w/PATMOS-x& Real Time Data Dissemination via Google Earth	7/1/07-6/30/08	Univ. of Wisconsin, CIMSS	S. Ackerman	70,000
Observation Error Characterization for Radiance Assimilation of clouds & Precipitation	6/1/07-5/31/2010 (3yr. Proposal)	Univ. of Wisconsin, CIMSS	R. Bennartz	150,000
CIMSS Research Tasks in Support of the IPO NPOESS Program	7/1/07-6/30/08	Univ. of Wisconsin, CIMSS	H. Revercomb	1,245,000
Total				\$ 7,747,608
Proposal title	Period of Performance	Recipient	PI	Amount Funded
CICS Base Request (Task 1)	9/1/07-8/31/08	Univ. of Maryland, CICS	P. Arkin	200,000
Toward the Development of Evaluation Procedures & Package for GOES-R Aerosol Retrievals & the study of...	7/1/07-6/30/08	Univ. of Maryland, CICS	X. Zhao	161,777
R-CDAS and NAME Data Impact & Prediction Experiments	7/1/07-6/30/08	Univ. of Maryland, CICS	H. Berbery	44,000
A Symposium & Trng Workshop on Application of Remote Sensing to Data Assimilation	3/1/07-9/30/08	Univ. of Maryland, CICS	E. Kalnay	62,918
Homogenization of MSU/AMSU Time Series for Climate Change Studies	5/1/07-4/30/08	Univ. of Maryland, CICS	K. Vinnokov	120,000

Assessing the Impact and Variability of Coccolithophorid Blooms in the Ocean Carbon Cycle	7/1/07-6/30/08	Univ. of Maryland, CICS	R. Murtugudde	163,900
The Importance of Oceanic Mesoscale Features for Seasonal Cycle of Atlantic Marine ITCZ	7/1/07-6/30/08	Univ. of Maryland, CICS	R. Murtugudde	110,043
Validation & Improvement of the Fire Detection by Removing Solar Reflection from Mid-IR Channel	7/1/07-6/30/08	Univ. of Maryland, CICS	Z. Li	80,000
Enhancement of Satellite Based Precipitation Estimates Using Information from the proposed...	7/1/07-6/30/08	Univ. of Maryland, CICS	Z. Li	50,000
Analysis & Improvement of Satellite Derived Global Hydrological Products	9/1/07-8/31/08	Univ. of Maryland, CICS	D. Vila	88,000
Development of Longwave Radiation Budget Products for GOES-R ABI & HES..	6/1/07-6/30/08	Univ. of Maryland, CICS	H. Lee	140,000
Warm Season Predictability of Great Plains Hydroclimate	6/07-5/08	Univ. of Maryland, CICS	S. Nigam	125,000
NPOESS Data Exploitation (NDE) Precipitation Retrieval	8/1/07-7/31/08	Univ. of Maryland, CICS	N. Wang	50,000
Development of Automated Techniques for Global Monitoring of Snow/Ice Cover Characteristics and Vegetation Properties from Polar Orbiting And Geostationary Satellites	7/1/07-6/30/08	Univ. of Maryland, CICS	P. Romanov	173,000
Geostationary Sea Surface Temperature Product Improvement: Scientific Support of GOES-SST for GOES PSDI	8/1/07-7/31/08	Univ. of Maryland, CICS	A. Harris	155,000
Developments of Algorithms for Shortwave Radiation Budget from GOES-R	5/1/07-4/30/08	Univ. of Maryland, CICS	R. Pinker	220,000
Global Precipitation Climatology Project & Outgoing Longwave Radiation Algorithm Development	7/1/07-6/30/08	Univ. of Maryland, CICS	A. Gruber	101,000
Evaluating the NCEP Global & Regional NWP Modeled Cloud Vertical Layer Structure...	7/1/07-6/30/08	Univ. of Maryland, CICS	Z. Li	86,000

GOES-R Proxy Data Preparedness in support of AWG Algorithm devel.	7/1/07-6/30/08	Univ. of Maryland, CICS	Z. Li	100,000
Advanced Study Inst. For Environmental Prediction	6/1/07-5/31/08	Univ. of Maryland, CICS	A. Busalacchi	75,000
New Merged Global Precipitation from Satellites	9/1/07-8/31/08	Univ. of Maryland, CICS	R. Joseph	100,000
Precipitation Over Land in Support of NOAA's Climate & Prediction Program	7/1/07-6/30/08	Univ. of Maryland, CICS	N. Wang	135,000
Development & Implem. Of an Operational Harmful Algal Bloom Prediction Sys. For Chesapeake Bay	7/1/07-6/30/08	Univ. of Maryland, CICS	R. Murtugudde	51,889
Development of a Seasonal Fire Danger Potential Prediction Capability based on CFS & a Dynamic Vegetation Growth Model	8/1/07-7/31/2010	Univ. of Maryland, CICS	N. Zeng	75,000
Using Models & in situ Observations of diurnal Cycle of Clear Sky Land Surface Temp. to Validate the Performance of GOES-R ABI	7/1/07-6/30/08	Univ. of Maryland, CICS	K. Vinnokov	120,000
Diagnostic Analysis of Global Precipitation & Circulation Variability	7/1/07-6/30/08	Univ. of Maryland, CICS	P. Arkin	75,000
Mgmt of the climate Prediction Program for the Americas	7/107-6/30/08	Univ. of Maryland, CICS	A. Mariotti	131,989
Validation of Community Surface Emissivity & Radiative Transfer Models	7/1/07-6/30/08	Univ. of Maryland, CICS	Z. Li	110,000
Improved Global & Regional Precipitation Analyses	7/1/07-6/30/08	Univ. of Maryland, CICS	P. Arkin	135,000
Operational Generation of the HIRS Outgoing Longwave Radiation Climate Data record	9/1/07-8/31/08	Univ. of Maryland, CICS	H. Lee	104,980
Studies in Support of GODAE High-Resolution SST Pilot Project	8/1/07-7/31/08	Univ. of Maryland, CICS	A. Harris	45,000
Development & applic. Of a physically-based methodology for bias correction of AVHRR...	8/1/07-7/31/08	Univ. of Maryland, CICS	A. Harris	51,000
Studies in Support of NOAA's POES-GOES SST Analysis	8/1/07-7/31/08	Univ. of Maryland, CICS	A. Harris	55,120
Preparation for SST Retrievals from Insat-3D	8/1/07-7/31/08	Univ. of Maryland, CICS	A. Harris	20,000
GOES-R Risk Reduction Activities for Sea Surface Temperature...	8/1/07-7/31/08	Univ. of Maryland, CICS	A. Harris	148,430
Investigation of the Utility of Satellite-derived climate data records	7/1/0/-6/30/08	Univ. of Maryland, CICS	P. Arkin	50,000

Risk Reduction & Algorithm Research for the GOES-R Geostationary Lightning Mapper	9/1/07-8/31/08	Univ. of Maryland, CICS	P. Arkin	135,468
Refinements of dynamical core schemes used in NCEP Operational Models	9/1/07-8/31/08	Univ. of Maryland, CICS	F. Mesinger	30,000
Chesapeake Bay Watershed & Estuarine Ecological Modeling Sys.	9/1/07-8/31/08	Univ. of Maryland, CICS	R. Murtugudde	80,000
Climate Quality Satellite Hyperspectral Radiances in the 0.3-15 um Spectral Range	7/1/07-6/30/08	Univ. of Maryland, CICS	P. Arkin	44,000
Total				\$ 4,003,514
Proposal title	Period of Performance	Recipient	PI	Amount Funded
CIOSS Yr. 5 Omnibus Prop. Task 1	4/1/07-3/31/08	Oregon State Univ., CIOSS	T. Strub	500,205
CIOSS Coast Risk Reduction Activities for using GOES-R/HES for Imaging Coast Waters	4/1/07-3/31/08 (Yr. 2 funding)	Oregon State Univ., CIOSS	M. Abbott	514,000
GLOBEC California Current	4/1/07-3/31/08 (Yr. 3 funding)	Oregon State Univ., CIOSS	J. Allen	345,491
GLOBEC NW Atlantic	4/1/07-3/31/08 (Yr. 2 funding)	Oregon State Univ., CIOSS	H. Batchelder	80,680
Transition of High Resolution Wind Algorithms to NOAA	4/1/07-3/31/08	Oregon State Univ., CIOSS	T. Strub	80,000
Workshop on Coastal Applications of Altimeter SSH Data	7/1/07-3/31/08	Oregon State Univ., CIOSS	T. Strub	25,000
Expanding the impact of Satellite Surface Vector Wind Measurements on...	7/1/07-3/31/08	Oregon State Univ., CIOSS	T. Strub	95,000
Impacting Representation Error of Satellite & in Situ Data for Assimilation into ocean Climate Models	6/1/07-5/31/2010 (3yr. Proposal)	Oregon State Univ., CIOSS	R. Miller	156,614
Total				\$ 1,796,990
Proposal title	Period of Performance	Recipient	PI	Amount Funded

CIRA Task 1 (base support)	7/1/07-6/30/08	Colorado State Univ., CIRA	T. Vonder Haar	60,500
Development & Evaluation of GOES & POES Products for Cyclone & Precipitation Analysis...	1/1/07-12/31/07	Colorado State Univ., CIRA	L. Grasso	50,000
NESDIS Postdoctoral Program (continuing postdocs)	1/1/07-6/30/09	Colorado State Univ., CIRA	T. Vonder Haar	1,210,228
CIRA Activities & Participation in the GIMPAP.	10/1/06-9/30/07	Colorado State Univ., CIRA	T. Vonder Haar	341,750
Evaluation of the GOES-13 Imager & Sounder during NOAA's Science Test: Collection & Analysis of Data	1/1/07-12/31/07	Colorado State Univ., CIRA	B. Connell	25,000
Support of the Virtual Institute for Satellite Integration Training	1/1/07-12/31/07	Colorado State Univ., CIRA	T. Vonder Haar	200,000
Getting Ready for NOAA's Advanced Remote Sensing Programs A SHYMET Trng & Education Proposal	7/1/07-6/30/08	Colorado State Univ., CIRA	B. Connell	75,000
Research & Development for GOES-R Risk Reduction for Mesoscale Weather Analysis & Forecasting	7/1/07-6/30/08	Colorado State Univ., CIRA	S. Miller	345,000
AWIPS Support for SHYMET & VISIT Trng & Education	3/1/07-2/28/08	Colorado State Univ., CIRA	B. Connell	75,000
Development of 3-Dimensional Polar Wind Retrieval Techniques Using the Advanced Microwave...	7/1/07-6/30/08	Colorado State Univ., CIRA	T. Vonder Haar	43,000
Analysis of Simulated Radiance Fields for GOES-R ABI Bands for Mesoscale Weather & Hazard Events	6/1/07-5/31/08	Colorado State Univ., CIRA	Sengupta	70,000
Cloud & Microwave Emissivity Verification Tools for Use within the CRTM	5/1/07-4/30/2010 3yr. Proposal	Colorado State Univ., CIRA	A. Jones	100,000
Weather Satellite Data & Analysis Equipment & Spt. For Research Act.	7/1/07-6/30/08	Colorado State Univ., CIRA	T. Vonder Haar	75,000
Advanced Environmental Satellite Research Support	9/1/07-8/31/08	Colorado State Univ., CIRA	T. Vonder Haar	101,700
Applications of satellite altimetry data to statistical and simplified dynamical tropical cyclone intensity forecast models	7/1/07-6/30/08	Colorado State Univ., CIRA	T. Vonder Haar	75,000
AMSU total precipitable water products.	9/1/07-8/31/08	Colorado State Univ., CIRA	S. Kidder	47,443
IPCC Studies for Climate Observations	8/1/07-7/31/08	Colorado State Univ., CIRA	T. Vonder Haar	50,000
Total				\$ 2,944,621

Proposal title	Period of Performance	Recipient	PI	Amount Funded
MOBY LWN Time-series Uncertainty Reduction for Improved Multi-platform Satellite vicarious Calibration	4/1/06-3/31/08 (Yr. 2 funding)	San Jose State Unvi. Foundation	W. Broenkow	1,096,857
Atmospheric Correction of satellite ocean color imagery in turbid coastal waters: A self-tuning approach	4/1/07-3/31/08 (Yr. 2 funding)	Univ. of So. FL	C. Hu	103,567
Extracting Geophysical parameters from Multi-polarization SAR imagery	4/1/07-3/31/08 (Yr. 2 funding)	John Hopkins Univ.	D. Thompson	84,204
Validation of Ultra High Resolution Scatterometer Wind & Rain in Severe Weather Events	4/1/07-3/31/08 (Yr. 2 funding)	Brigham Young Univ.	D. Long	83,802
Calibration of Multiple Satellite Altimetry for the Determination of Global Sea Level Rise	4/1/07-3/31/08 (Yr. 2 funding)	Ohio State Univ.	E. Braig	124,892
UMD Eastern Shore Student Opportunity for Learning	4/1/07-3/31/08 (Yr. 2 funding)	UMD Eastern Shore	G. Singh	35,972
STAR Moby Cruises	6/1/07-9/30/07	Univ. of Hawaii/JIMAR	T. Schroeder	119,157
Total				\$ 1,648,451
Proposal title	Period of Performance	Recipient	PI	Amount Funded
Use of Kernel Methods in Data Selection & Thinning for Satellite Data Assimilation in NWP Models	6/1/07-5/31/08 (Yr. 2 funding)	Univ. of OK, CIMMS	Lesley	114,340
Improving Spectroscopy for Microwave Data Assimilation	6/1/07-5/31/08 (Yr. 2 funding)	AER	J. Moncet	151,001
Integrating Recent Remote Sensing Products to Improve the Representation of Vegetation & Transportation Processes in the Noah Land Surface Model	6/1/07-5/31/08 (Yr. 2 funding)	UCAR	F. Chen	139,285
Improving Clouds & Precipitation for NWP Assim. In NWP Models	6/1/07-5/31/08 (Yr. 2 funding)	Univ. of Maryland, College Park	N. Wang	85,713
Improving the Noah Land Model for Better Noah/CRTM coupling & Accelerated Use of Satellite Data over land	6/1/07-5/31/2010 (3yr award)	Univ. of Arizona	X. Zeng	123,531

Error Models for Remotely-Sensed Sea Surface Heights & Temperatures in Ocean Data Assimilation	6/1/07-5/31/2010 (3yr award)	Trustees of the Columbia Univ. of NY	A. Kaplan	101,433
Land Surface Thermal Infrared Emissivity Database Development and Modeling for Operational Weather Prediction and Climate Models	6/1/07-5/31/2010 (3yr award)	Univ. of Maryland, College Park	S. Liang	134,778
Total				\$ 850,081
Proposal title	Period of Performance	Recipient	PI	Amount Funded
Remote Sensing & Modeling of Air quality	8/1/07-7/31/08	Univ. of Alabama, Huntsville	S. Christopher	500,000
Climate Research Using NOAA Assets & Archives	8/1/07-7/31/09	Univ. of Alabama, Huntsville	J. Christy	453,045
Climate, Education, Research & Outreach	7/1/07-6/30/09	Univ. of NC	G. Voos	155,402
Mesoscale Algorithms for GOES-R	10/1/07-9/30/08	Hampton Univ.	W. Smith	150,000
A Balloon Based Demo Of Measuring Wind Profiles from space	7/1/07-10/30/08	Univ. of New Hampshire	A. Berrien	600,000
CREST Algorithm Developments for GOES-R	9/1/07-8/30/08	CREST	R. Khanbilvardi	180,000
Transitioning GOES based Nowcasting capability	9/1/07-8/30/08	CREST	R. Khanbilvardi	103,000
Detection of Toxic clouds	7/1/07-6/30/08	CREST	J. Steiner	35,000
Diasasters Roundtable	08/01/2007-7/31/08	National Academy of Sciences	W. Anderson	30,000
Information from NOAA for Operational Regional Mgmt.	07/01/2007-6/1/08	NC State Univ.	L. Pietrafesa	100,000
Support to NOAA/NESDIS' Goal to increase the Use of Its Earth Observation Data	09/01/2007-8/31/09	Foundation for Earth Science	C. Meyer	250,000
Total				\$ 2,556,447
Grand Total - FY07				\$ 21,547,712

GRANTS AWARDED BY STAR - FY2008				
Proposal title	Period of Performance	Recipient	PI	Amount Funded
CIMSS Task 1 funding (year 3)	1/1/08-12/31/08	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 275,628
Assimilating Sea Surface Winds Measured by ASCAT & Evaluating the Impact of ASCAT &...#2104365	7/1/08-12/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 53,566
The Development of IASI Radiance & AIRS Cloudy Radiance Assimilation Techniques Within the NCEP Global Forecast System #2104368	7/1/08-6/30/2010	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 160,000
Observation Error Characterization for Radiance Assimilation of clouds & Precipitation #2087455	6/1/08-5/31/2009	Univ. of Wisconsin, CIMSS	R. Bennartz	\$ 150,000
Maintenance & Annual Update of the Global Homogeneous UW/NCDC Tropical Cyclone Intensity	1/1/08-12/31/08	Univ. of Wisconsin, CIMSS	J. Kossin	\$ 19,357
CIMSS Instrument Studies for GOES-R & Beyond	4/1/08-12/31/08	Univ. of Wisconsin, CIMSS	J. Li	\$ 338,000
Support for 2008 Field Campaigns & Eval. Of the WVSS-II Aircraft Borne Water Vapor Sensing Sys	5/1/08-6/30/09	Univ. of Wisconsin, CIMSS	R. Peterson	\$ 65,000
CIMSS Participation in the 2008 GIMPAP	5/1/08-12/31/08	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 616,000
CIMSS Participation in the NOAA Product Sys. Dev. & Implementation (PSDI)	5/1/08-12/31/08	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 685,000
A CIMSS Research Study of the Next Generation GOES Data Compression	4/1/08-1/31/09	Univ. of Wisconsin, CIMSS	B. Huang	\$ 50,000
CIMSS Participation in the Development of GOES-R Proving Ground	4/1/08-3/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 318,000
CIMSS Participation in the VISIT Program for 2008	5/1/08-12/31/08	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 180,000

CIMSS Participation in the SHYMET	7/1/08-6/30/09	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 87,500
CIMSS Activities in the NOAA Ground System Program for 2008	5/1/08-12/31/08	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 69,000
CIMSS Participation in the GOES-R3 Program for 2008	5/1/08-12/31/08	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 1,029,500
Support for the International TOVS Study Conference (ITSC 16)	5/7/08-5/18/08	Univ. of Wisconsin, CIMSS	A. Huang	\$ 5,000
Univ. of WI Teacher Conf.	5/1/08-9/1/08	Univ. of Wisconsin, CIMSS	M. Mooney	\$ 5,000
CIMSS Participation in the GOES-R Algorithm Working Group (AWG) for 2008	6/1/2008-3/31/2009	Univ. of Wisconsin, CIMSS	A. Huang	\$ 2,554,598.00
Real time and Historical Satellite Data Products in Support of IPY	5/1/2008-4/30/2009	Univ. of Wisconsin, CIMSS	X. Wang	\$ 98,000
CIMSS Coop. Research Exchange Program	7/1/08-6/30/2010	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 12,000
CIMSS Support of Calibration/Validation	7/1/08-6/30/09	Univ. of Wisconsin, CIMSS	D. Tobin	\$ 45,000
CIMSS Research Tasks in Support of the IPO NPOESS Program	7/1/08-6/30/09	Univ. of Wisconsin, CIMSS	H. Revercomb	\$ 1,479,999
VIIRS Cloud Studies for the NPOESS	7/1/08-5/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	\$ 159,000
Investigations in Support of GOES-R Program Office	7/1/08-3/31/09	Univ. of Wisconsin, CIMSS	P. Menzel	\$ 30,000
Total				\$ 8,485,148
Proposal title	Period of Performance	Recipient	PI	Total Req. Amount
CICS Base Request (Task 1)	9/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 225,000
Development of a Seasonal Fire Danger Potential Prediction Capability based on CFS & a Dynamic Vegetation Growth Model	8/1/08-6/30/09	Univ. of Maryland, CICS	N. Zeng	\$ 78,000
Operational Generation of the HIRS Outgoing Longwave Radiation Climate Data record	9/1/08-6/30/09	Univ. of Maryland, CICS	H. Lee	\$ 110,051
Reprocessing, Diagnosis & Intercomparison of AMSU Ice Water Path	2/1/08-12/31/08	Univ. of Maryland, CICS	P. Arkin	\$ 25,000
South Asian Regional Reanalysis	9/1/07-8/31/08	Univ. of Maryland, CICS	S. Nigam	\$ 145,000

Development of an Integrated Sys for Validating NCEP Model Cloud, Precipitation...	7/1/08-6/30/09	Univ. of Maryland, CICS	Z. Li	\$ 86,000
CICS Support of GOES-R Risk Reduction	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 266,700
Mgmt of the Climate Prediction Program for the Americas	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 48,760
Satellite Processing Sys. For Research & Devel.	5/1/08-4/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 65,000
CICS Support for NDE, GIMPAP & PSDI	7/1/08-6/30/08	Univ. of Maryland, CICS	P. Arkin	\$ 261,000
Studies in Support of GODAE High-Resolution SST Pilot Project	8/1/08-6/30/09	Univ. of Maryland, CICS	A. Harris	\$ 30,000
Assessments of Advanced Components for CRTM & Satellite Data Assimilation	7/1/08-6/30/09	Univ. of Maryland, CICS	Z. Li	\$ 115,000
Precipitation Over Land in support of NOAA's Climate & Prediction Program	7/1/08-6/30/09	Univ. of Maryland, CICS	Nai-Yu Wang	\$ 139,000
Analysis & Improvement of Satellite Derived Hydrological Products Passive Microwave Hydrological applics.	9/01/08-4/30/09	Univ. of Maryland, CICS	D. Vila	\$ 80,000
Global Precipitation Climatology Project	07/01/08-6/30/09	Univ. of Maryland, CICS	A. Gruber	\$ 60,000
Real-Time Automatic Estimation of Volcanic SO2 & Ash Cloud Heights Derived from...	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 110,000
Support of risk Reduction & Algorithm Research for the GOES-R Geostationary Lightning Mapper	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 190,000
Refinements of Dynamical Core Schemes Used in NCEP Operational Models	9/1/08-6/30/09	Univ. of Maryland, CICS	F. Mesinger	\$ 60,000
New Merged Global Precipitation from Satellites	9/1/08-6/30/09	Univ. of Maryland, CICS	R. Joseph	\$ 40,000
Warm Season predictability of Great Plains Hydroclimate	6/1/08-5/31/09	Univ. of Maryland, CICS	S. Nigam	\$ 130,000
Climate Information Responding to User Needs (CIRUN) Workshops	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 139,969
CICS Coop. Research Exchange Program	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 12,000
Improved Global & Regional Precipitation Analyses	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 145,000
Development & Implementation of an Operational Harmful Algal Bloom Prediction Sys. For Chesapeake Bay	7/1/08-6/30/09	Univ. of Maryland, CICS	R. Murtugudde	\$ 10,000
Assessing the Impact & Variability of Coccolithophorid Blooms in Ocean Carbon Cycle	7/1/08-6/30/09	Univ. of Maryland, CICS	R. Murtugudde	\$ 79,235
Support of CPC's Climate Monitoring & Prediction Activities	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 100,000

Improvements to the AMSR-E Rain Over Land Algorithm	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 45,000
Developments of Algorithms for Shortwave Radiation Budget from GOES-R	7/1/08-6/30/09	Univ. of Maryland, CICS	R. Pinker	\$ 220,000
A Retrospective Analysis of IPCC TAR & FAR Model Projections of Sea Level Rise	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 94,859
CICS Activities in Support of the Climate Program Office	7/1/08-6/30/09	Univ. of Maryland, CICS		\$ 48,000
CICS Support of GOES AWG	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 645,092
Data Assimilation	7/1/08-6/30/09	Univ. of Maryland, CICS	J. Carton	\$ 75,000
POES AMSU Monitoring @ CICS/SCSB (CAL/VAL)	8/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 40,000
VIIRS Land Validation Coordination & Prototyping	7/1/08-6/30/09	Univ. of Maryland, CICS	P. Arkin	\$ 275,000
Studies in Support of NOAA's POES-GOES SST Analysis	7/1/08-6/30/09	Univ. of Maryland, CICS	A. Harris	\$ 58,408
Developing the GOES-R albedo product ATBD document	7/1/08-12/30/08	Univ. of Maryland, CICS	S. Liang	\$ 55,000
Sub-award Rebudget request	-	Univ. of Maryland, CICS	-	\$ -
The Study of Aerosol Long-term Trends	7/1/08-6/30/09	Univ. of Maryland, CICS	T. Zhao	\$ 75,000

Total \$ 4,382,074

Proposal title	Period of Performance	Recipient	PI	Total Req. Amount
CIOSS Task 1 support (new award, year 1)	4/1/08-3/31/2012	Oregon State Univ., CIOSS	T. Strub	\$ 209,842
CIOSS Yr. 6 Research & Outreach Omnibus Proposal	4/1/08-3/31/09	Oregon State Univ., CIOSS	T. Strub	\$ 290,363
Support to the NESDIS Cooperative Exchange Program	4/1/08-3/31/2013	Oregon State Univ., CIOSS	T. Strub	\$ 25,566
Impacting Representation Error of Satellite & in Situ Data for Assimilation into ocean Climate Models	6/1/08-5/31/09 (Yr. 2)	Oregon State Univ., CIOSS	R. Miller	\$ 92,047
CIOSS Grounds Sys Support	4/1/08-3/31/09	Oregon State Univ., CIOSS	T. Strub	\$ 49,993
Satellite Analysis of the Influence of the Gulf Stream (CIOSS collaboration w/CIRA)	7/1/08-6/30/09	Oregon State Univ., CIOSS	T. Strub	\$ 22,996
VIIRS Calibration and Validation Activities	6/1/08-5/31/09	Oregon State Univ., CIOSS	Strub/Davis	\$ 95,000

Total \$ 785,807

Proposal title	Period of Performance	Recipient	PI	Amount Funded
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CIRA Task 1	7/1/08-6/30/09	CO State Univ., CIRA	T. VonderHaar	60,500
Weather Satellite Data	7/1/08-6/30/09	CO State Univ., CIRA	G. Stephens	75,000
CIRA Support to the Exchange Program	7/1/08-6/30/09	CO State Univ., CIRA	G. Stephens	12,000
POES-GOES Blended Hydrometeorological Products	3/1/08-2/28/09	CO State Univ., CIRA	S. Kidder	70,000
Support of the Virtual Institute for Satellite Integration & Trng	1/1/08-12/31/08	CO State Univ., CIRA	S. Miller	195,000
A GOES-R Proving Ground for NWS Forecaster Readiness	7/1/08-6/30/09	CO State Univ., CIRA	S. Miller	318,000
Research & Devel. For GOES-R Risk Reduction for Mesoscale Weather Analysis ...	7/1/08-6/30/09	CO State Univ., CIRA	S. Miller	392,000
Development of a Polar Satellite Processing System fo Research & Trng	3/1/08-2/28/09	CO State Univ., CIRA	B. Connell	65,000
Analysis of Simulated Radiance Fields for GOES-R ABI Bands for Mesoscale Weather...	6/1/08-5/31/09	CO State Univ., CIRA	M. Sengupta	85,000
Development & Eval. Of GOES & POES Prod. For Tropical Cyclone & Precipitation Analysis	1/1/08-12/31/08	CO State Univ., CIRA	S. Kidder	250,000
Activities & Participation in the GIMPAP	10/1/07-9/30/08	CO State Univ., CIRA	T. VonderHaar	283,200
Getting Ready for NOAA's Advanced Remote Sensing Programs A Satellite...	7/1/08-6/30/09	CO State Univ., CIRA	B. Connell	87,500
Transitioning ISCCP GOES-West Processing from CIRA to NCDC	6/1/08-5/31/09	CO State Univ., CIRA	S. Kidder	60,000
Advanced Verification Techniques for the Hurricane Weather Research & Forecast Model	7/1/08-6/30/09	CO State Univ., CIRA	W. Schubert	20,000
NESDIS Postdoctoral Program	1/1/07-6/30/09	CO State Univ., CIRA	T. VonderHaar	374,081
NESDIS Postdoctoral Program (new hire)	7/1/08-6/30/09	CO State Univ., CIRA	T. VonderHaar	108,707
Validation of Satellite-Based Thermodynamic Retrievals in the Tropics	7/1/08-6/30/09	CO State Univ., CIRA	J. Dostalek	40,000
Satellite Analysis of the Influence of the Gulf Stream on the Troposphere: Convective Response	7/1/08-6/30/09	CO State Univ., CIRA	A. Schumacher	23,000
Total				\$ 2,518,988

Proposal title	Period of Performance	Recipient	PI	Amount Funded
CREST Algorithm Developments for GOES-R: Vegetation	9/1/08-8/30/09	City College of the City University of New York, CUNY	L. Roytman	100,000
Development of an Advanced Technique for Mapping & Monitoring Sea & Lake...	7/1/08-6/30/2010	City College of the City University of New York, CUNY	R. Khanbilvardi	125,000
Teaming Game Technology w/NOAA HPC resources for Collaborative Exploration & Research Prototyping	7/1/08-6/30/2010	City College of the City University of New York, CUNY	M. Grossberg	125,000
Estimation of snow grain size & snow characteristics...	7/1/08-6/30/2010	City College of the City University of New York, CUNY	A. Azar	75,000
Aerosol Algorithm Development Support for GOES-R	9/1/08-8/31/09	Univ. of MD, Baltimore County	A. Lyapustin	70,000
Fast Radiative Transfer Modules for IASI & CRIS	9/1/08-8/31/09	Univ. of MD, Baltimore County	L. Strow	70,067
An IDEA Product for GOES-R Data	9/9/08-9/10/09	Univ. of MD, Baltimore County	H. Zhang	110,000
MOBY LWN Time-series Uncertainty Reduction & Sys Enhancements for Improved vicarious Calibration Across Multiple Agency Ocean Color Satellite Missions	4/1/08-3/31/2011	San Jose State Univ. Foundation	M. Yarbrough	980,000
Remote Sensing & Modeling of Air quality	8/1/08-7/31/09	Univ. of AL	S. Christopher M. Newchurch	982,300
Drought Research	8/1/08-7/31/09	Uni. Of AL		666,648
Student Opportunity for Learning	4/1/08-3/31/09 (Yr. 3 funding)	UMD Eastern Shore	G. Singh	37,363
STAR Moby Cruises	12/1/07-9/30/08	Univ. of Hawaii/JIMAR	T. Schroeder	269,843
STAR Moby Cruises	12/1/07-9/30/08	Univ. of Hawaii/JIMAR	T. Schroeder	107,200
STAR Moby Cruises	12/1/07-9/30/08	Univ. of Hawaii/JIMAR	T. Schroeder	117,000

Total				\$ 3,835,421
Proposal title	Period of Performance	Recipient	PI	Amount Funded
Use of Kernel Methods in Data Selection & Thinning for Satellite Data Assimilation in NWP Models	6/1/08-5/31/09 (Yr. 3 funding)	Univ. of OK, CIMMS	L. Lesley	119,428
Improving Spectroscopy for Microwave Data Assimilation	6/1/08-5/31/09 (Yr. 3 funding)	AER	J. Moncet	148,999
Integrating Recent Remote Sensing Products to Improve the Representation of Vegetation & Transportation Processes in the Noah Land Surface Model	6/1/08-5/31/09 (Yr. 3 funding)	UCAR	F. Chen	145,051
Improving Clouds & Precipitation for NWP Assim. In NWP Models	6/1/08-5/31/09 (Yr. 3 funding)	Univ. of MD, College Park	Wang	85,713
Improving the Noah Land Model for Better Noah/CRTM coupling & Accelerated Use of Satellite Data over land	6/1/08-5/31/09 (Yr. 2 funding)	Univ. of Arizona	X. Zeng	118,096
Error Models for Remotely-Sensed Sea Surface Heights & Temperatures in Ocean Data Assimilation	6/1/08-5/31/09 (Yr. 2 funding)	Columbia Univ.	A. Kaplan	105,761
Land Surface Thermal Infrared Emissivity Database Development and Modeling for Operational Weather Prediction and Climate Models	6/1/08-5/31/09 (Yr. 2 funding)	Univ. of MD, College Park	S. Liang	136,267
Improving the Impact of GPSRO Data Assimilation in NCEP	6/1/08-5/31/2010	Univ. of Arizona	E. Kursinski	112,666
Total				\$ 971,981
Proposal title	Period of Performance	Recipient	PI	Amount Funded
Climate, Education, Research & Outreach	7/1/07-6/30/09	Univ. of NC	G. Voos	30,000
Support to NOAA/NESDIS' Goal to increase the Use of Its Earth Observation Data Foundation for Earth Science	09/01/2008-8/31/09	Foundation for Earth Science	D. Wertz	250,000
Optimizing the Use of Lightning Data in Severe Storm Warning Assessment	5/1/08-4/30/09	Mississippi State Univ.	D. Shaw	30,000

Establishment of the Verner E. Suomi Science Museum	6/1/08-9/30/08	Univ. of Wisconsin	P. Menzel	100,620
2008, 2009 & 2010 IEEE International Geoscience & Remote Sensing Symposium	6/15/08-12/31/2010	IEEE, Inc.	M. Crawford	10,000
The GEOSS System	7/1/08-6/30/2011	WMO/The Geo Secretariat	J. Achache	390,000
Towards Mesoscale Sounding Objectives in the GOES-R era...	10/1/08-9/30/09	Hampton Univ.	W. Smith	125,000
Total				\$ 935,620
Grand Total - FY08				\$ 21,915,039

GRANTS AWARDED BY STAR - FY2009				
Proposal title	Period of Performance	Recipient	PI	Amount Funded
CIMSS Task 1	1/1/09-12/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	289,409.00
CIMSS Support of STAR Cal Val Activities for 2009	1/1/09-12/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	45,000.00
CIMSS Cooperative Research Exchange Program	1/1/09-12/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	12,000.00
Estimation of Cloud Microphysics from MODIS Infrared Obs.	6/1/09-5/31/2010	Univ. of Wisconsin, CIMSS	S. Ackerman	51,000.00
CIMSS Participation in the GIMPAP	4/1/09-12/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	589,000.00
CIMSS Participation in the NOAA Product Systems Development and Implementation (PSDI) for 2009	5/1/09-12/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	333,000.00
CIMSS Activities in NOAA Ground Systems Program for 2009	5/1/09-12/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	60,000.00
CIMSS Participation in the Development of a GOES-R Proving Ground	5/1/09-4/30/2010	Univ. of Wisconsin, CIMSS	S. Ackerman	300,000.00
The development of hyperspectral infrared water vapor radiance assimilation techniques in the NCEP Global forecast system	06/01/09-03/31/10	Univ. of Wisconsin, CIMSS	J. Jung	160,000.00
Assimilating Sea Surface Winds Measured by ASCAT & Evaluating the Impact of ASCAT Winds in the NCEP GDAS/GFS	5/1/09-12/31/09	Univ. of Wisconsin, CIMSS	M. Morgan	110,000.00
CIMSS Participation in the GOES R Risk Reduction Program for 2009	6/1/09-12/31/09	Univ. of Wisconsin, CIMSS	S. Ackerman	395,000.00
CIMSS Participation in the GOES-R AWG for 2009	6/1/09-3/31/2010	Univ. of Wisconsin, CIMSS	S. Ackerman	3,888,000.00
Investigation in Support of GOES-R Program Office	7/1/09-3/31/2010	Univ. of Wisconsin, CIMSS	P. Menzel	30,000.00
CIMSS Participation in SHyMet for 2009	6/1/09-5/31/2010	Univ. of Wisconsin, CIMSS	S. Ackerman	87,500.00
CIMSS Research Activities in the Visit Program for 2009	6/1/09-5/31/2010	Univ. of Wisconsin, CIMSS	S. Ackerman	175,000.00
CIMSS Research Tasks in Support of the IPO NPOESS Program	07/01/09-06/30/10	Univ. of Wisconsin, CIMSS	H. Revercomb	1,980,750.00

NPP/NPOESS Cryospheric Products Calibration & Validation Activities	6/1/09-5/31/2010	Univ. of Wisconsin, CIMSS	J. Key	73,500.00
Observation Error characterization for Radiance Assimilation of Clouds & Precipitation	6/1/09-5/31/2010	Univ. of Wisconsin, CIMSS	R. Bennartz	150,000.00
VIIRS Cloud Studies for the National Polar-orbiting Operational...	6/1/09-5/31/2010	Univ. of Wisconsin, CIMSS	S. Ackerman	95,500.00
Holding Teacher Workshops in Conjunction with ESIP Meetings	06/01/09-12/31/09	Univ. of Wisconsin, CIMSS	M. Mooney	20,000.00
Support for the International TOVS Study Conf.	7/1/09-6/30/2010	Univ. of Wisconsin, CIMSS	H.L. Allen Huang	4,750.00
Hurricane Secondary Eyewall Formation	08/01/09-7/31/11	Univ. of Wisconsin, CIMSS	T. Achtor	59,269.00
Support for 2008 Field Campaigns and Associated Evaluation of the WVSS-II Aircraft Borne Water Vapor Sensing System	5/1/08-6/30/09	Univ. of Wisconsin, CIMSS	R. Peterson	75,000.00
CIMSS High Impact Weather Study for GOES-R With Advanced Sounding Products	6/1/2009-5/31/2010	Univ. of Wisconsin, CIMSS	J. Li	175,000.00
Developing Training Materials for McIDAS Users & Programmers	7/1/09-12/31/09	Univ. of Wisconsin, CIMSS	T. Achtor	35,179.00
A Product Development Team for Snow & Ice Climate Data Records	7/1/09-5/31/2010	Univ. of Wisconsin, CIMSS	X. Wang	90,000.00
Suomi Museum	7/1/09 - 12/31/09	Univ. of Wisconsin, CIMSS	T. Achtor	5,000.00
Total				\$ 9,288,857
Proposal title	Period of Performance	Recipient	PI	Amount Funded
Real-time Automatic Estimation of Volcanic SO ₂ & Ash Cloud Heights...	7/1/08-6/30/09	Univ. of Maryland, College Park, CICS	P. Arkin	25,000.00
NPOESS NDE Precipitation #2140797	7/1/09-6/30/10	Univ. of Maryland, College Park, CICS	N. Wang	40,000.00
Geostationary SST Product Improvement: Scientific Support of GOES-SST for GOES PSDI #2140876	7/1/09-6/30/10	Univ. of Maryland, College Park, CICS	A. Harris	164,835.00
A Retrospective Analysis of IPCC TAR & FAR Model Projections of Sea Level Rise	7/1/09-6/30/10	Univ. of Maryland, College Park, CICS	P. Arkin	100,000.00

Development of Automated Techniques for Global Monitoring...	7/1/09-6/30/10	Univ. of Maryland, College Park, CICS	P. Romanov	20,000.00
CICS Support of GOES AWG	7/1/09-6/30/10	Univ. of Maryland, College Park, CICS	P. Arkin	387,000.00
CICS Support of GOES-R Risk Reduction	7/1/09-6/30/10	Univ. of Maryland, College Park, CICS	P. Arkin	610,000.00
CICS Support of Risk Reduction & Algorithm Research for the GOES-R...	7/1/09-6/30/10	Univ. of Maryland, College Park, CICS	P. Arkin	262,000.00
Studies in Support of NOAA's POES-GOES SST Analysis	7/1/09-6/30/10	Univ. of Maryland, College Park, CICS	A. Harris	70,000.00
CICS Satellite Processing Sys for Research Devel. #2140960	5/1/09-4/30/10	Univ. of Maryland, College Park, CICS	P. Arkin	80,000.00
Total				1,758,835.00
CICS New Award (Task 1)	7/1/09-6/30/2013	Univ. of Maryland, College Park, CICS	P. Arkin	400,000.00
South Asian Regional Reanalysis	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	S. Nigan	70,000.00
CICS CoRP Research Exchange Program	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	P. Arkin	12,000.00
A Prototype STAR Precipitation Product	9/1/09-4/30/2010	Univ. of Maryland, College Park, CICS	D. Vila	60,000.00
Analysis & Improvement of Satellite Derived Global Hydrological Products - Passive Microwave Applications	9/1/09-4/30/2010	Univ. of Maryland, College Park, CICS	D. Vila	70,000.00
Global Precipitation Analysis Development & Climate Diagnostic Research	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	J. Janowiak	100,000.00
A Special Sensor Microwave Imager/Sounder (SSM/I/S) Application for Hydrological Products Retrieval	9/1/09-4/30/2010	Univ. of Maryland, College Park, CICS	D. Vila	60,000.00
CICS Marine Phenology	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	M. Sapiano	15,000.00
POES AMSU Monitoring at CICS/SCSB	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	P. Arkin/H. Meng	100,000.00

Development of an Integrated System for Validating NCEP Model Cloud, Precipitation & radiation outputs against satellite retrievals	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	Z. Li	55,000.00
Global Precipitation Climatology Project	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	A. Gruber	40,000.00
Assessments of Advanced Components for CRTM & Satellite Data Assimilation	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	Z. Li	300,000.00
Precipitation over Land Utilizing High Frequencies...	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	N. Wang	140,000.00
Development of a Seasonal Fire Danger Potential Prediction Capability based on CFS & and a Dynamic Vegetation Growth Model	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	N. Zeng	80,000.00
Development of Operational Algorithms & Software to Validate Snow Cover Products from NPP VIIRS	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	P. Romanov	35,500.00
Real-time Automatic Estimation of Volcanic SO2 and Ash Cloud Heights Derived from GOME-2/AIRS/IASI ...	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	P. Arkin	98,000.00
Development of an enhanced active fire product from VIIRS	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	P. Arkin	65,450.00
Hydrological Support for the Climate Prediction Center	8/1/09-7/31/2011	Univ. of Maryland, College Park, CICS	J. Janowiak	214,306.00
Operational Generation of the HIRS Outgoing Longwave Radiation Climate Data Record	7/01/09 - 06/30/2010	Univ. of Maryland, College Park, CICS	H-T. Lee	115,247.00
A Recalibration of the AVHRR Data Record to Provide an Accurate and Well Parameterized FCDR	7/1/09-6/30/2011	Univ. of Maryland, College Park, CICS	P. Arkin	238,232.00
CICS Activities in Support of the Climate Program Office	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	P. Arkin	161,302.00
A Terrestrial Surface Climate Data Record for Global Change	7/1/09-6/30/2011	Univ. of Maryland, College Park, CICS	E. Vermote	285,306.00
CICS-NC Subcontract	7/1/09-5/31/2012	Univ. of Maryland, College Park, CICS	A. Harris	1,092,735.00
CICS-NC Subcontract	7/1/09-6/30/2012	Univ. of Maryland, College Park, CICS	C. Justice	388,145.00

ASI Earmark	7/1/09-6/30/2010	Univ. of Maryland, College Park, CICS	P. Arkin	975,000.00
Total				\$ 5,171,223
Proposal title	Period of Performance	Recipient	PI	Amount Funded
CIOSS Support to the NESDIS Cooperative Research Exchange	04/01/2008-03/31/2013	Oregon State Univ., CIOSS	Ted Strub	\$12,000
CIOSS Task 1 (Match)	04/01/2008-03/31/2013	Oregon State Univ., CIOSS	Ted Strub	\$209,842
CIOSS Task 1 (Admin)	04/01/2008-03/31/2013	Oregon State Univ., CIOSS	Ted Strub	\$125,000
(Partial Funding Action)	04/01/2008-03/31/2013	Oregon State Univ., CIOSS	Ted Strub	\$90,533
Impact of Representation Error of Satellite & In Situ Data for Assimilation into Ocean Climate Models	06/01/07-05/31/2010	Oregon State Univ., CIOSS	Ted Strub	53,565.00
Impact of Representation Error of Satellite & In Situ Data for Assimilation into Ocean Climate Models	06/01/07-05/31/2010	Oregon State Univ., CIOSS	Ted Strub	153,098.00
VIIRS Calibration & Validation Activities: Time Series cal/val...	06/01/09-05/31/11	Oregon State Univ., CIOSS	Ted Strub	142,500.00
VIIRS Cal/Val: Establishing a new SeaPRISM	06/01/09-05/31/2011	Oregon State Univ., CIOSS	Ted Strub	142,500.00
CIOSS Year 7 Omnibus proposal	04/01/09-03/31/10	Oregon State Univ., CIOSS	Ted Strub	238,896.00
Evaluation of GOES Frontal Dynamics Products	07/01/09-06/30/2010	Oregon State Univ., CIOSS	Ted Strub	44,689.00
Numerical Modeling of the influence of the gulf stream	06/01/09-05/31/2010	Oregon State Univ., CIOSS	Ted Strub	31,584.00
Feature tracking, Laarangian Forecasts and Retention and Connectivity along the shelf in N. Cali Current Region	06/01/09-05/31/2010	Oregon State Univ., CIOSS	Ted Strub	30,000.00
Total				\$ 1,274,207
Proposal title	Period of Performance	Recipient	PI	Amount Funded
Development of a Polar Satellite Processing system for research	03/01/09-02/28/10	Colorado State Univ., CIRA	B. Connell	60,000.00
Research and Development for GOES-R Risk Reduction for Mesoscale Weather Analysis...	07/01/09-06/30/10	Colorado State Univ., CIRA	S. Miller	926,000.00

CIRA Activities and Participation in the GOES Improved Measurements and Product Assurance Plan	10/01/08-09/30/09	Colorado State Univ., CIRA	T.VonderHar	339,000.00
POES GOES Blended Hydrometeorological Products	03/01/09-02/28/2010	Colorado State Univ., CIRA		180,000.00
Global Tropical Cyclone formation Probability Product	07/01/09-06/30/10	Colorado State Univ., CIRA	J. Dostalek	50,000.00
Ensemble Data Assimilation for Hurricane Forecasting...	07/01/09-06/30/10	Colorado State Univ., CIRA	M. Zupanski	100,000.00
Improvements in the Rapid Intensity Index by Incorporation of Inner..	08/01/09-07/31/11	Colorado State Univ., CIRA	J. Dostalek	26,000.00
A GOES-R Proving Ground for National Weather Service Forecaster	07/01/09-06/31/09	Colorado State Univ., CIRA	S. Miller	300,000.00
Validation of Satellite-Based Thermodynamic Retrievals in the Tropics	07/01/09-06/31/09	Colorado State Univ., CIRA	J. Dostalek	40,000.00
Support of the Virtual Institute for Satellite Integration and Training (VISIT)	07/01/2009 - 06/30/2010	Colorado State Univ., CIRA	D. Bikos	195,000.00
Getting Ready for NOAA's Advanced Remote Sensing Programs A Satellite Hydro-Meteorology (SHyMet) Training and Education Proposal	07/01/2009 - 06/30/2010	Colorado State Univ., CIRA	B. Connell	87,500.00
Satellite Analysis of the Influence of the Gulf Stream on the Troposphere: Convective Response	07/01/2009 - 06/30/2010	Colorado State Univ., CIRA	A. Schumacher	20,000.00
Scientific support to the GOES-R Algorithm Review Board	07/01/09-06/30/11	Colorado State Univ., CIRA	T. VonderHar	42,205.00
Weather Satellite Data and Analysis	07/01/09-06/30/10	Colorado State Univ., CIRA	G. Stephens	75,000.00
Tropical Cyclone Model Diagnostics and Product Development	07/01/09-06/30/10	Colorado State Univ., CIRA	W. Schubert	374,400.00
CIRA Support to the NESDIS Cooperative Research Exchange Program	07/01/09-06/30/10	Colorado State Univ., CIRA	G. Stephens	12,000.00
CIRA Research Collaboration with the NOAA/NESDIS NGDC for the NPOESS SEM Sensor Algorithm Development Project	07/01/09-06/30/10	Colorado State Univ., CIRA	C. Matsumoto	629,756.00
NESDIS Post Docs	07/01/09-06/30/14	Colorado State Univ., CIRA	S. Miller	925,650.00
A Fundamental Climate Data Record of SSM/I, SSMIS and Future Microwave Imagers (Shadow Award)	07/01/09-06/30/12	Colorado State Univ., CIRA	C. Kummerow	242,885.00
Total				\$ 4,625,396
Proposal title	Period of Performance	Recipient	PI	Amount Funded

Inter-Calibration & Scaling-up Algorithm for SEVIRI... (CREST)	9/1/09-8/31/2010	City College of the City University of New York, CREST	L. Roytman	125,000.00
Annual Colloquium & Early Career Exchange Program (CREST)	6/1/09-05/31/2010	City College of the City University of New York, CREST	S. Merchant	37,000.00
Development of an Advanced Technique for Mapping & Monitoring sea & Lake Ice for the Future GOES-R ABI	7/1/09-6/30/2010	City College of the City University of New York, CREST	R. Khanbilvardi	125,000.00
Development of the New Integrated Coastal Observation Platform in the Long Island Sound, NY with the Extensive Capabilities	6/1/09-5/31/2010	City College of the City University of New York, CREST	A. Gilerson	50,000.00
Total				\$ 337,000
Proposal title	Period of Performance	Recipient	PI	Amount Funded
Improving the Impact of GPSRO Data Assimilation in NCEP Univ. of Arizona	6/1/09-5/31/2010	Univ. of Arizona	Kursinski	114,707.00
Improving the Noah Land Model for Better Noah/CRTM Coupling & Accelerated Use of Satellite Data over land Univ. of Arizona	6/1/09-5/31/2010	Univ. of Arizona	X. Zeng	120,458.00
A Balloon-Based Demonstration of instrumentation for Measuring Wind- Profiles from Space	7/1/09-10/31/09	Univ. of New Hampshire	B. Moore	10,000.00
A Balloon-Based Demonstration of Measuring Wind- Profiles from Space	7/1/2009-10/31/09	Univ. of New Hampshire	B. Moore	190,000.00
Land Surface Thermal Infrared Emissivity Database Development & Modeling for Operational Weather Prediction & Climate Models Univ. of MD	6/1/09-5/31/2010	Univ. of Maryland, College Park (not part of CICS award)	S. Liang	143,081.00
Error Models for Remotely-Sensed Sea Surface Heights & Temperatures in Ocean Data Assimilation Columbia Univ.	6/1/09-5/31/2010	Columbia Univ.	A. Kaplan	103,228.00

MoBY LWN Time Series Uncertainty Reduction & Sys....	4/1/08-3/31/2011	San Jose State Foundation	M. Yarbrough	1,507,524.00
GMU Cooperative Center for Earth Science Informatics Research	05/01/09-04/31/12	George Mason Univ.	L. Di	214,116.00
The Global Earth Observation System of Systems	07/01/08-06/30/11	World Meteorological Organizations	N. Brutsch	485,000.00
GEONET Cast Capabilities for NOAA CREST	08/01/09-07/31/2010	Bowie State Univ.	W. Lawrence	10,000.00
IDEA Product Improvement (UMBC)	09/01/09 - 08/31/10	Univ. of Maryland, Baltimore College	H. Zhang	110,000.00
Remote Sensing (earmark to UAH)	8/1/09-7/31/2010	Univ. of Alabama, Huntsville	S. Christopher	799,200.00
2008, 2009 and 2010 IEEE International Geoscience and Remote Sensing Symposium	7/01/09-6/30/2010	IEEE Inc.	M. Crawford	10,000.00
Graduate Climate Change Research Univ. of N. Carolina	7/1/09-6/30/2010	Univ. of North Carolina	G. Voos	350,973.00
GOES-R Air Quality Proving Ground in the US UMBC	8/1/09-7/31/2010	Univ. of MD, Baltimore County	R. Hoff	124,000.00
Generating Consistent Radiance SDRs & Deep Layer...	6/1/2009-5/31/2012	Remote Sensing Systems	C. Mears	50,035.00
Developing a Climate Data Record for total & Spectral Solar Irradiance	8/1/09-7/31/2012	The Regents of the Univ. of CO	P. Pilewskie	230,447.00
A Super-Fast All-Sky Mesoscale Sounding Algorithm for the Real-Time Infusion of GOES-R ABI...(Hampton Univ.)	10/1/09-9/30/2010	Hampton Univ.	W. Smith	125,000.00
Developing an Orographic Adjustment for the GOES-R Rain Rate Algorithm	6/1/09-5/31/2010	Hampton Univ.	I. Yucel	23,071.00
Total				\$ 4,720,840
Grand total - FY09				\$ 27,176,358