

**CICS Projects by Task**  
**(Fiscal Year July 1 – June 30)**



**CICS Projects by Task**  
**July 1, 2002 - June 30, 2006**

Account	Title	Duration	PI	Task	Theme	Total Award	FY'06 Awards
<b>Task I: Administration and Outreach</b>							
3446058	Task I Administration	7/1/05-6/30/06	Sarmiento	I		\$43,300	\$43,300
3446057	Task I Outreach (QUEST)	6/1/05-6/30/06	Teacher Prep	I	1	\$22,000	\$11,000
	<b>Total Administration and Outreach Funding</b>					<b>\$65,300</b>	<b>\$54,300</b>
<b>Task II: Cooperative Research and Education</b>							
<b>Theme 1: Earth System Studies/Climate Research; Theme 2: Biogeochemistry; Theme 3: Coastal Processes; Theme 4: Paleoclimate</b>							
3436126	Cooperative Research & Education	7/1/02-6/30/06	Philander	II	1,2,3,4	\$8,340,874	\$2,839,115
3436131	Development of an Experimental 4D Assimilation and ENSO Prediction System Based on the Latest MOM4 GFDL Model	7/1/03-6/30/06	Tziperman	II	1	\$200,000	\$0
3436141	Development of Haine's Irminger Sea/Denmark Strait Regional Ocean Circulation Model and Data Assimilation System	7/1/03-6/30/06	Haine	II	1	\$58,182	\$25,735
3436146	Performance on Real-World Application on Large Parallel Machines	7/1/04-6/30/06	Singh	II	1	\$65,930	\$0
3436126	Understanding North Pacific Carbon-Cycle Changes	7/1/04-6/30/05	Key	II	2	\$25,000	\$0
	<b>Total Cooperative Research and Education Funding</b>					<b>\$8,689,986</b>	<b>\$2,864,850</b>
<b>Task III: Individual Projects (Proposals Submitted Directly to NOAA Program Offices)</b>							
<b>Theme 1: Earth System Studies/Climate Research; Theme 2: Biogeochemistry; Theme 3: Coastal Processes; Theme 4: Paleoclimate</b>							
1556057	Hydrologic Ensemble Seasonal Forecast System over the Eastern U.S.	2/1/05-1/31/06	Wood	III	1	\$99,433	\$0
3436142	CO <sub>2</sub> /CLIVAR Repeat Hydrography Program CO <sub>2</sub> Synthesis Science Team	7/1/04-6/30/06	Key	III	2	\$141,790	\$0
3436144	Atmosphere and Coastal Ocean CO <sub>2</sub> Measurement Platform- SABSOON	7/1/04-6/30/06	Sweeney	III	2	\$9,874	\$0
3436149	Understanding the Temporal Evolution of the Global Carbon Cycle Using Large-Scale Carbon Observations	2/1/05-6/30/06	Key	III	2	\$82,504	\$82,504
3436150	Optimal Network Design to Detect Spatial Patterns and Variability of Ocean Carbon Sources and Sinks from Underway Surface CO <sub>2</sub> Measurements	7/1/05-6/30/06	Russell	III	2	\$61,818	\$61,818
3446026	Ocean and Atmospheric Inverse Modeling for Global Carbon Flux Determinations	7/1/04-6/30/06	Sarmiento	III	2	\$462,600	\$155,200
	<b>Total Individual Projects Submitted Directly to NOAA Program Offices</b>					<b>\$858,019</b>	<b>\$299,522</b>

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**July 1, 2002 - June 30, 2006**

Account	Title	Duration	PI	Task	Theme	Total Award	FY'06 Awards
<b>Task III: Individual Projects</b>							
<i>Theme 1: Earth System Studies/Climate Research; Theme 2: Biogeochemistry; Theme 3: Coastal Processes; Theme 4: Paleoclimate</i>							
3446042	New Initiatives	7/1/04-6/30/06	Sarmiento	III	1,2,3,4	\$200,649	\$0
3446040	Land Surface Predictability Studies at GFDL	7/1/04-6/30/06	Wood	III	1	\$166,279	\$0
3446040	The Influence of Surface Hydrological Processes on Climate	7/1/04-6/30/06	Wood	III	1	\$83,425	\$0
3446044	Global Warming: The Psychology of Long Term Risk Meeting	7/1/04-6/30/06	Oppenheimer	III	1	\$50,000	\$0
3446046	Scaling of Space, Time, Heterogeneous Hydrologic Dynamics	7/1/04-6/30/06	Rodriquez-Iturbe and Jaffe	III	1	\$155,000	\$0
3446050	Workshop on Policy, Carbon and Aerosols	7/1/04-6/30/06	Ramaswamy	III	1	\$50,000	\$0
3446051	Scaling of Space, Time, Heterogeneous Hydrologic Dynamics	7/1/04-6/30/06	Wood	III	1	\$70,000	\$0
3446051	Improved Parameterization for Sub-grid-scale Heterogeneity in Topography for use in Hydrologic Model	7/1/05-6/30/06	Wood	III	1	\$76,690	\$76,690
3446062	Global Methods of Constituent Flux in Continental Aquatic Systems	7/1/05-6/30/06	Vörösmarty	III	2,3	\$131,005	\$131,005
3446026	Determination of Carbon Source and Sink Distributions and Development of Carbon Sink Models	7/1/04-6/30/06	Sarmiento	III	2	\$821,603	\$282,917
3446027	Development of Carbon Sink Models	7/1/04-6/30/06	Pacala	III	2	\$636,249	\$230,286
3446038	Modeling Terrestrial Nutrient Cycling	7/1/04-6/30/06	Hedin	III	2	\$127,710	\$44,285
3446038	Terrestrial Nitrogen Cycles	7/1/04-6/30/06	Hedin	III	2	\$58,500	\$0
3446038	N-fixation and atmospheric inputs of N	7/1/05-6/30/06	Hedin	III	2	\$76,688	\$76,688
3446039	Modeling Terrestrial Nutrient Cycling	7/1/04-6/30/06	Oppenheimer	III	2	\$127,711	\$44,285
3446039	Terrestrial Nitrogen Cycles	7/1/04-6/30/06	Oppenheimer	III	2	\$58,500	\$0
3446041	Modeling Land-Use Dynamics in the Earth System	7/1/04-6/30/06	Hurt	III	2	\$219,426	\$0
3446047	Carbon Observing System	7/1/04-6/30/06	Gloor	III	2	\$100,000	\$0
3446056	Fisheries Workshop-Ecosystems and Climate	6/1/05-6/30/06	Sarmiento	III	2	\$20,000	\$20,000
3446061	Development of A Multi-Scale, Coupled Climate Modeling System for the Coastal Zone: Demonstration on the Northeast North American Continental Shelf	7/1/05-6/30/06	Haidvogel	III	3	\$114,500	\$114,500
3446045	The Pliocene Paradox Workshop	7/1/04-6/30/06	Philander	III	4	\$50,000	\$0
3446048	Paleoclimate Study	7/1/04-6/30/06	Philander	III	4	\$100,000	\$0
3446049	Paleoclimate Study	7/1/04-6/30/06	Sigman	III	4	\$100,000	\$0
	<b>Total Individual Projects</b>					<b>\$3,593,935</b>	<b>\$1,020,656</b>
	<b>Total Funding For Task I, Task II and Task III</b>					<b>\$13,207,240</b>	<b>\$4,239,328</b>

**CICS Projects by Theme  
(Fiscal Year July 1 – June 30)**



**CICS Projects by Theme**  
**July 1, 2002 - June 30, 2006**

Account	Title	Duration	PI	Task	Theme	Total Award	FY'06 Awards
<b>Administrative Support</b>							
3446058	Task I Administration	7/1/05-6/30/06	Sarmiento	I		\$43,300	\$43,300
	<b>Total Administrative Funding</b>					<b>\$43,300</b>	<b>\$43,300</b>
<b>Theme 1: Earth System Studies/Climate Research</b>							
3436126	Cooperative Research & Education	7/1/02-6/30/06	Philander	II	1	\$7,553,089	\$2,681,743
3446057	Task I Outreach (QUEST)	6/1/05-6/30/06	Teacher Prep	I	1	\$22,000	\$11,000
3436131	Development of an Experimental 4D Assimilation and ENSO Prediction System Based on the Latest MOM4 GFDL Model	7/1/03-6/30/06	Tziperman	II	1	\$200,000	\$0
3436141	Development of Haine's Irminger Sea/Denmark Strait Regional Ocean Circulation Model and Data Assimilation System	7/1/03-6/30/06	Haine	II	1	\$58,182	\$25,735
3436146	Performance on Real-World Application on Large Parallel Machines	7/1/04-6/30/06	Singh	II	1	\$65,930	\$0
1556057	Hydrologic Ensemble Seasonal Forecast System over the Eastern U.S.	2/1/05-1/31/06	Wood	III	1	\$99,433	\$0
3446040	Land Surface Predictability Studies at GFDL	7/1/04-6/30/06	Wood	III	1	\$166,279	\$0
3446040	The Influence of Surface Hydrological Processes on Climate	7/1/04-6/30/06	Wood	III	1	\$83,425	\$0
3446044	Global Warming: The Psychology of Long Term Risk Meeting	7/1/04-6/30/06	Oppenheimer	III	1	\$50,000	\$0
3446046	Scaling of Space, Time, Heterogeneous Hydrologic Dynamics	7/1/04-6/30/06	Rodriquez-Iturbe and Jaffe	III	1	\$155,000	\$0
3446050	Workshop on Policy, Carbon and Aerosols	7/1/04-6/30/06	Ramaswamy	III	1	\$50,000	\$0
3446062	Global Methods of Constituent Flux in Continental Aquatic Systems	7/1/05-6/30/06	Vörösmarty	III	1	\$131,005	\$131,005
3446051	Scaling of Space, Time, Heterogeneous Hydrologic Dynamics	7/1/04-6/30/06	Wood	III	1	\$70,000	\$0
3446051	Improved Parameterization for Sub-grid-scale Heterogeneity in Topography for use in Hydrologic Model	7/1/05-6/30/06	Wood	III	1	\$76,690	\$76,690
	<b>Total Theme 1 Funding</b>					<b>\$8,781,033</b>	<b>\$2,926,173</b>
<b>Theme 2: Biogeochemistry</b>							
3436126	Understanding North Pacific Carbon-Cycle Changes	7/1/04-6/30/05	Key	II	2	\$25,000	\$0
3436126	Cooperative Research & Education	7/1/02-6/30/06	Philander	II	2	\$526,045	\$104,487
3436142	CO <sub>2</sub> /CLIVAR Repeat Hydrography Program CO <sub>2</sub> Synthesis Science Team	7/1/04-6/30/06	Key	III	2	\$141,790	\$0
3436144	Atmosphere and Coastal Ocean CO <sub>2</sub> Measurement Platform- SABSOON	7/1/04-6/30/06	Sweeney	III	2	\$9,874	\$0
3436149	Understanding the Temporal Evolution of the Global Carbon Cycle Using Large-Scale Carbon Observations	2/1/05-6/30/06	Key	III	2	\$82,504	\$82,504

**CICS Projects by Theme  
July 1, 2002 - June 30, 2006**

<b>Theme 2: Biogeochemistry Continued</b>							
3436150	Optimal Network Design to Detect Spatial Patterns and Variability of Ocean Carbon Sources and Sinks from Underway Surface CO <sub>2</sub> Measurements	7/1/05-6/30/06	Russell	III	2	\$61,818	\$61,818
3446026	Ocean and Atmospheric Inverse Modeling for Global Carbon Flux Determinations	7/1/04-6/30/06	Sarmiento	III	2	\$462,600	\$155,200
3446026	Determination of Carbon Source and Sink Distributions and Development of Carbon Sink Models	7/1/04-6/30/06	Sarmiento	III	2	\$821,603	\$282,917
3446027	Development of Carbon Sink Models	7/1/04-6/30/06	Pacala	III	2	\$636,249	\$230,286
3446038	Modeling Terrestrial Nutrient Cycling	7/1/04-6/30/06	Hedin	III	2	\$127,710	\$44,285
3446038	Terrestrial Nitrogen Cycles	7/1/04-6/30/06	Hedin	III	2	\$58,500	\$0
3446038	N-fixation and atmospheric inputs of N	7/1/05-6/30/06	Hedin	III	2	\$76,688	\$76,688
3446039	Modeling Terrestrial Nutrient Cycling	7/1/04-6/30/06	Oppenheimer	III	2	\$127,711	\$44,285
3446039	Terrestrial Nitrogen Cycles	7/1/04-6/30/06	Oppenheimer	III	2	\$58,500	\$0
3446041	Modeling Land-Use Dynamics in the Earth System	7/1/04-6/30/06	Hurt	III	2	\$219,426	\$0
3446047	Carbon Observing System	7/1/04-6/30/06	Gloor	III	2	\$100,000	\$0
3446056	Fisheries Workshop-Ecosystems and Climate	6/1/05-6/30/06	Sarmiento	III	2	\$20,000	\$20,000
	<b>Theme 2 Funding</b>					<b>\$3,556,018</b>	<b>\$1,102,470</b>
<b>Theme 3: Coastal Processes</b>							
3446061	Development of A Multi-Scale, Coupled Climate Modeling System for the Coastal Zone: Demonstration on the Northeast North American Continental Shelf	7/1/05-6/30/06	Haidvogel	III	3	\$114,500	\$114,500
	<b>Theme 3 Funding</b>					<b>\$114,500</b>	<b>\$114,500</b>
<b>Theme 4: Paleoclimate</b>							
3436126	Cooperative Research & Education	7/1/02-6/30/06	Philander	II	4	\$286,740	\$52,885
3446045	The Pliocene Paradox Workshop	7/1/04-6/30/06	Philander	III	4	\$50,000	\$0
3446048	Paleoclimate Study	7/1/04-6/30/06	Philander	III	4	\$100,000	\$0
3446049	Paleoclimate Study	7/1/04-6/30/06	Sigman	III	4	\$100,000	\$0
	<b>Theme 4 Funding</b>					<b>\$536,740</b>	<b>\$52,885</b>
<b>Multi-Theme-Theme 1: Earth System Studies/Climate Research; Theme 2: Biogeochemistry; Theme 3: Coastal Processes; Theme 4: Paleoclimate</b>							
3446042	New Initiatives	7/1/04-6/30/06	Sarmiento	III	1,2,3,4	\$200,649	\$0
	<b>Multi-Theme Funding</b>					<b>\$200,649</b>	<b>\$0</b>
	<b>Total Funding For Theme 1, Theme 2, Theme 3 and Theme 4</b>					<b>\$13,232,240</b>	<b>\$4,239,328</b>



**NOAA Funding Sources by Year  
(Fiscal Year October 1 – September 30)**



## NOAA Funding Sources by Year

Funding Source	Task	Amount
Climate Modeling Center (CCRI)	TASK III JOINT INST	54,300.00
NOAA Climate Program - Climate (Base)	TASK II PU-Year 4	776,497.49
Climate Modeling Center (CCRI)	TASK II PU-Year 4	615,125.00
NOAA Weather and Water Program - Environmental Modeling (Base)	TASK II PU-Year 4	613,503.51
NOS: GODAE	TASK II PU-Year 4	100,000.00
Ocean Data Assimilation	TASK II PU-Year 4	95,066.00
OGP: An Assessment and Analysis of the Warm Season Diurnal Cycle over the Continental United States in Global Atmospheric General Circulation Models (Held)	TASK II PU-Year 4	44,000.00
OGP: Atmospheric Chemistry Project CORE Program (Ramaswamy)	TASK II PU-Year 4	518,015.00
OGP: Climate Processes Team (CPT) - Collaborative Research: Interaction of Eddies with Layers (Hallberg)	TASK II PU-Year 4	102,643.00
NOAA Climate Program - Climate (Base) Grant	TASK III JOINT INST	50,000.00
NOAA Climate Program - Climate (Base) Workshop	TASK III JOINT INST	20,000.00
Climate Modeling Center (CCRI)	TASK III JOINT INST	850,656.00
NESDIS: Research to Operations	TASK III JOINT INST	100,000.00
OGP: A Hydrologic Ensemble Seasonal Forecast System over the Eastern U.S. (Wood)	TASK III JOINT INST	99,433.00
OGP: CO2/CLIVAR Repeat Hydrology Program CO2-Synthesis Science Team (Key)	TASK III JOINT INST	72,426.00
CMDL: Ocean and Atmospheric Inverse Modeling for Global Carbon Flux Determinations (Sarmiento)	TASK III JOINT INST	155,200.00
OGP: Optimal Network Design to Detect Spatial Patterns and Variability of Ocean Carbon Sources and Sinks from Underway (Russell)	TASK III JOINT INST	61,818.00
OGP: Understanding the Temporal Evolution of the Global Carbon Cycle Using Large-Scale Carbon Observations (Key)	TASK III JOINT INST	82,504.00
	<b>FY05 TASK I</b>	<b>\$54,300.00</b>
	<b>FY05 TASK II</b>	<b>\$2,864,850.00</b>
	<b>FY05 TASK III</b>	<b>\$1,492,037.00</b>
NOAA Climate Program - Climate (Base)	TASK II PU-Year 3	262,524.00
Climate Modeling Center (CCRI)	TASK II PU-Year 3	680,125.00
NOAA Weather and Water Program - Environmental Modeling (Base)	TASK II PU-Year 3	264,540.00
NOAA High Performance Computing and Communications	TASK II PU-Year 3	100,000.00
NOS: GODAE	TASK II PU-Year 3	100,000.00
Ocean Data Assimilation	TASK II PU-Year 3	338,116.00
OGP: An Assessment and Analysis of the Warm Season Diurnal Cycle over the Continental United States in Global Atmospheric General Circulation Models (Held)	TASK II PU-Year 3	44,000.00
OGP: Atmospheric Chemistry Project CORE Program (Ramaswamy)	TASK II PU-Year 3	572,000.00
OGP: Climate Processes Team (CPT) - Collaborative Research: Interaction of Eddies with Layers (Hallberg)	TASK II PU-Year 3	98,695.00
OGP: Seasonal Interannual Climate (Rosati)	TASK II PU-Year 3	80,000.00
Climate Modeling Center (CCRI)	TASK III JOINT INST	900,000.00
CMDL: Ocean and Atmospheric Inverse Modeling for Global Carbon Flux Determinations (Sarmiento)	TASK III JOINT INST	155,200.00
OGP: Land Surface Predictability Studies at GFDL (Wood)	TASK III JOINT INST	84,340.00
OGP: Atmospheric and Coastal Ocean CO2 Measurement Platform: SABSOON (Sweeney)	TASK III JOINT INST	9,874.00
OGP: CO2/CLIVAR Repeat Hydrology Program CO2-Synthesis Science Team (Key)	TASK III JOINT INST	69,364.00
	<b>FY04 TASK II</b>	<b>\$2,540,000.00</b>
	<b>FY04 TASK III</b>	<b>\$1,218,778.00</b>

## NOAA Funding Sources by Year

Funding Source	Task	Amount
NOAA Climate Program - Climate (Base)	TASK II PU-Year 2	23,291.08
Climate Modeling Center (CCRI)	TASK II PU-Year 2	233,000.00
DOE Reimbursable (Klein)	TASK II PU-Year 2	106,686.46
DOE Reimbursable (Soden)	TASK II PU-Year 2	81,800.00
NOAA Weather and Water Program - Environmental Modeling (Base)	TASK II PU-Year 2	96,100.00
NOAA High Performance Computing and Communications	TASK II PU-Year 2	100,000.00
NASA Reimbursable (Donner)	TASK II PU-Year 2	28,777.46
NASA Reimbursable (Milly)	TASK II PU-Year 2	88,162.00
Ocean Data Assimilation	TASK II PU-Year 2	418,400.00
OGP: A Radiance Based Analysis of Satellite and Radiosonde Climate Records to Document Long-term Water Vapor Changes (Soden)	TASK II PU-Year 2	4,823.00
OGP: An Assessment and Analysis of the Warm Season Diurnal Cycle over the Continental United States in Global Atmospheric General Circulation Models (Held)	TASK II PU-Year 2	22,000.00
OGP: Atmospheric Chemistry Project CORE Program (Ramaswamy)	TASK II PU-Year 2	200,000.00
OGP: Climate Processes Team (CPT) - Collaborative Research: Interaction of Eddies with Layers (Hallberg)	TASK II PU-Year 2	104,899.00
OGP: Seasonal Interannual Climate (Rosati)	TASK II PU-Year 2	165,000.00
Climate Modeling Center (CCRI)	TASK III JOINT INST	1,517,967.00
OGP: (Woods)	TASK III JOINT INST	81,939.00
CMDL: Ocean and Atmospheric Inverse Modeling for Global Carbon Flux Determinations (Sarmiento)	TASK III JOINT INST	152,200.00
	<b>FY03 TASK II</b>	<b>\$1,672,939.00</b>
	<b>FY03 TASK III</b>	<b>\$1,752,106.00</b>
NOAA Climate Program - Climate (Base)	TASK II PU-Year 1	356,187.00
DOE Reimbursable (Klein)	TASK II PU-Year 1	9,230.00
DOE Reimbursable (Soden)	TASK II PU-Year 1	73,000.00
NASA Reimbursable (Donner)	TASK II PU-Year 1	73,000.00
NASA Reimbursable (Milly)	TASK II PU-Year 1	22,994.00
NASA Reimbursable (Ramaswamy)	TASK II PU-Year 1	29,519.00
Ocean Data Assimilation	TASK II PU-Year 1	223,300.00
OGP: Atmospheric Chemistry Project CORE Program (Ramaswamy)	TASK II PU-Year 1	310,000.00
OGP: Seasonal Interannual Climate (Rosati)	TASK II PU-Year 1	40,000.00
Stellar Sea Lion	TASK II PU-Year 1	475,000.00
	<b>FY02 TASK II</b>	<b>\$1,612,230.00</b>
	<b>TOTAL TASK I (FY02-FY05)</b>	<b>\$54,300.00</b>
	<b>TOTAL TASK II (FY02-FY05)</b>	<b>\$8,690,019.00</b>
	<b>TOTAL TASK III (FY02-FY05)</b>	<b>\$4,462,921.00</b>