

# NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

## Federal Funds

### SCIENCE

For necessary expenses, not otherwise provided for, in the conduct and support of science research and development activities, including research, development, operations, support, and services; maintenance and repair, facility planning and design; space flight, spacecraft control, and communications activities; program management; personnel and related costs, including uniforms or allowances therefor, as authorized by 5 U.S.C. 5901–5902; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, \$5,016,800,000, to remain available until September 30, 2013.

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111–242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

#### Program and Financing (in millions of dollars)

Identification code 80–0120–0–1–252	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....	4,843	4,439	5,006
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	317	59	89
1021 Recoveries of prior year unpaid obligations .....	89		
1050 Unobligated balance (total) .....	406	59	89
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	4,470	4,469	5,017
1120 Appropriations transferred to other accounts .....	–22		
1121 Appropriations transferred from other accounts .....	50		
1160 Appropriation, discretionary (total) .....	4,498	4,469	5,017
1930 Total budgetary resources available .....	4,904	4,528	5,106
Memorandum (non-add) entries:			
1940 Unobligated balance expiring .....	–2		
1941 Unexpired unobligated balance, end of year .....	59	89	100
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	2,351	2,651	2,473
3030 Obligations incurred, unexpired accounts .....	4,843	4,439	5,006
3040 Outlays (gross) .....	–4,454	–4,617	–4,697
3080 Recoveries of prior year unpaid obligations, unexpired .....	–89		
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	2,651	2,473	2,782
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	4,498	4,469	5,017
Outlays, gross:			
4010 Outlays from new discretionary authority .....	2,225	2,190	2,458
4011 Outlays from discretionary balances .....	2,229	2,427	2,239
4020 Outlays, gross (total) .....	4,454	4,617	4,697
4180 Budget authority, net (total) .....	4,498	4,469	5,017
4190 Outlays, net (total) .....	4,454	4,617	4,697

This appropriation provides for the Science Mission Directorate, which is comprised of the agency's Earth and space science programs. The appropriation provides for all of the research; development; operations; salaries and related expenses; and other general and administrative activities required to execute the programs within this account. Costs include labor, travel, procurement, test and fabrication costs. Detailed performance goals associated with these activities are addressed in NASA's detailed budget request.

NASA's Science Mission Directorate encompasses Earth Science, Planetary Science, Heliophysics, and Astrophysics. The Directorate seeks to answer fundamental questions concerning the ways in which Earth's climate is changing; the comparison of Earth

with other planets in the solar system and around other stars; the connections among the Sun, Earth, and heliosphere; and the origin and evolution of planetary systems, the galaxy, and the universe, including the origin and distribution of life in the universe. The Directorate achieves its objectives through robotic flight missions, ground-based scientific research and data analysis, and the development of new technologies for future missions.

The Science Mission Directorate also contains the Joint Agency Satellite Division, which manages work NASA performs on a cost-reimbursable basis for other federal agencies. Prominent examples include NOAA's GOES-R and Joint Polar Satellite System programs, and USGS Landsat program.

#### Object Classification (in millions of dollars)

Identification code 80–0120–0–1–252	2010 actual	CR	2012 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent .....	196	194	216
11.3 Other than full-time permanent .....	22	22	24
11.5 Other personnel compensation .....	1	1	1
11.9 Total personnel compensation .....	219	217	241
12.1 Civilian personnel benefits .....	57	56	63
21.0 Travel and transportation of persons .....	19	17	13
22.0 Transportation of things .....	2	2	2
23.2 Rental payments to others .....	7	6	7
23.3 Communications, utilities, and miscellaneous charges .....	4	4	4
24.0 Printing and reproduction .....	1	1	1
25.1 Advisory and assistance services .....	156	142	143
25.2 Other services from non-federal sources .....	289	264	297
25.3 Other goods and services from federal sources .....	115	105	118
25.4 Operation and maintenance of facilities .....	18	16	45
25.5 Research and development contracts .....	3,234	2,950	3,329
25.7 Operation and maintenance of equipment .....	69	63	71
26.0 Supplies and materials .....	21	19	22
31.0 Equipment .....	70	64	72
32.0 Land and structures .....	12	11	12
41.0 Grants, subsidies, and contributions .....	550	502	566
99.9 Total new obligations .....	4,843	4,439	5,006

#### Employment Summary

Identification code 80–0120–0–1–252	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	1,828	1,782	1,984

## AERONAUTICS [AND SPACE RESEARCH AND TECHNOLOGY]

For necessary expenses, not otherwise provided for, in the conduct and support of aeronautics research and development activities, including research, development, operations, support, and services; maintenance and repair, facility planning and design; program management; personnel and related costs, including uniforms or allowances therefor, as authorized by 5 U.S.C. 5901–5902; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, \$569,400,000, to remain available until September 30, 2013.

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111–242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

#### Program and Financing (in millions of dollars)

Identification code 80–0126–0–1–402	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....	624	525	568

**AERONAUTICS—Continued**  
**Program and Financing—Continued**

Identification code 80-0126-0-1-402	2010 actual	CR	2012 est.
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	154	34	10
1021 Recoveries of prior year unpaid obligations .....	7		
1050 Unobligated balance (total) .....	161	34	10
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	501	501	569
1120 Appropriations transferred to other accounts .....	-4		
1160 Appropriation, discretionary (total) .....	497	501	569
1930 Total budgetary resources available .....	658	535	579
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	34	10	11
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	210	327	341
3030 Obligations incurred, unexpired accounts .....	624	525	568
3040 Outlays (gross) .....	-500	-511	-538
3080 Recoveries of prior year unpaid obligations, unexpired .....	-7		
3090 Obligated balance, end of year (net):			
Unpaid obligations, end of year (gross) .....	327	341	371
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	497	501	569
Outlays, gross:			
4010 Outlays from new discretionary authority .....	289	245	278
4011 Outlays from discretionary balances .....	211	266	260
4020 Outlays, gross (total) .....	500	511	538
4180 Budget authority, net (total) .....	497	501	569
4190 Outlays, net (total) .....	500	511	538

This appropriation provides for the full costs associated with aeronautics research program activities within the Aeronautics Research Mission Directorate. The full costs provide for all of the research; development; operations; salaries and related expenses; and other general and administrative activities required to execute the programs within this account. Costs include labor, travel, procurement, test and fabrication costs. Detailed performance goals associated with these activities are addressed in NASA's detailed budget request.

NASA Aeronautics Research is committed to expanding the boundaries of aeronautical knowledge for the benefit of the nation and the broad aeronautics community. NASA Aeronautics consists of the following integrated research programs: Fundamental Aeronautics, Aviation Safety, Airspace Systems, Integrated Systems Research, Aeronautics Test, and Aeronautics Strategy and Management.

**Object Classification (in millions of dollars)**

Identification code 80-0126-0-1-402	2010 actual	CR	2012 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent .....	134	135	141
11.3 Other than full-time permanent .....	14	14	15
11.5 Other personnel compensation .....	1	1	1
11.9 Total personnel compensation .....	149	150	157
12.1 Civilian personnel benefits .....	38	38	40
21.0 Travel and transportation of persons .....	6	5	6
23.3 Communications, utilities, and miscellaneous charges .....	2	2	2
25.1 Advisory and assistance services .....	17	13	12
25.2 Other services from non-federal sources .....	26	20	22
25.3 Other goods and services from federal sources .....	6	5	5
25.4 Operation and maintenance of facilities .....	44	34	40
25.5 Research and development contracts .....	237	181	201
25.7 Operation and maintenance of equipment .....	13	10	11
26.0 Supplies and materials .....	36	28	31
31.0 Equipment .....	23	18	19
32.0 Land and structures .....	4	3	3

41.0 Grants, subsidies, and contributions .....	23	18	19
99.9 Total new obligations .....	624	525	568

**Employment Summary**

Identification code 80-0126-0-1-402	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	1,333	1,329	1,376

**SPACE TECHNOLOGY**

*For necessary expenses, not otherwise provided for, in the conduct and support of space research and technology development activities, including research, development, operations, support, and services; maintenance and repair, facility planning and design; space flight, spacecraft control, and communications activities; program management; personnel and related costs, including uniforms or allowances therefor, as authorized by 5 U.S.C. 5901-5902; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, \$1,024,200,000, to remain available until September 30, 2013.*

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111-242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

**Program and Financing (in millions of dollars)**

Identification code 80-0131-0-1-252	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....			1,004
<b>Budgetary Resources:</b>			
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....			1,024
1930 Total budgetary resources available .....			1,024
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....			20
<b>Change in obligated balance:</b>			
3030 Obligations incurred, unexpired accounts .....			1,004
3040 Outlays (gross) .....			-358
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....			646
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....			1,024
Outlays, gross:			
4010 Outlays from new discretionary authority .....			358
4180 Budget authority, net (total) .....			1,024
4190 Outlays, net (total) .....			358

This appropriation provides for the full costs associated with program activities under the new NASA Office of the Chief Technologist that conducts research in space technologies in support of the broad civilian space community. The full costs provide for all of the research; development; operations; salaries and related expenses; and other general and administrative activities required to execute the programs within this account. Costs include labor, travel, procurement, test and fabrication costs.

NASA's space technology programs will increase the nation's ability to operate in the environment of space by supporting early stage research into critical technologies and innovations that will be of benefit to future NASA missions, other Federal agencies, and the commercial space sector. Space Technology supports several programs including the Small Business Innovative Research (SBIR), Small Business Technology Transfer (STTR) programs, Cross-Cutting Space Technology Development and

Exploration Technology. The 2012 Budget proposes transfer of the Exploration Technology Development Program with the exception of extravehicular activity and life support engineering developments from the Exploration account to this account.

**Object Classification** (in millions of dollars)

Identification code 80-0131-0-1-252	2010 actual	CR	2012 est.
<b>Direct obligations:</b>			
<b>Personnel compensation:</b>			
11.1 Full-time permanent .....			95
11.3 Other than full-time permanent .....			9
11.5 Other personnel compensation .....			1
11.9 Total personnel compensation .....			105
12.1 Civilian personnel benefits .....			28
21.0 Travel and transportation of persons .....			1
23.3 Communications, utilities, and miscellaneous charges .....			2
25.1 Advisory and assistance services .....			65
25.2 Other services from non-federal sources .....			15
25.3 Other goods and services from federal sources .....			15
25.4 Operation and maintenance of facilities .....			49
25.5 Research and development contracts .....			669
25.7 Operation and maintenance of equipment .....			20
26.0 Supplies and materials .....			5
31.0 Equipment .....			5
32.0 Land and structures .....			3
41.0 Grants, subsidies, and contributions .....			22
99.9 Total new obligations .....			1,004

**Employment Summary**

Identification code 80-0131-0-1-252	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....			906

**EXPLORATION**

*For necessary expenses, not otherwise provided for, in the conduct and support of exploration research and development activities, including research, development, operations, support, and services; maintenance; construction of facilities including repair, rehabilitation, revitalization, and modification of facilities, construction of new facilities and additions to existing facilities, facility planning and design, and restoration, and acquisition or condemnation of real property, as authorized by law; space flight, spacecraft control, and communications activities; program management, personnel and related costs, including uniforms or allowances therefor, as authorized by 5 U.S.C. 5901-5902; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, \$3,948,700,000, to remain available until September 30, 2013: Provided, That when any activity has been initiated by the incurrence of obligations for construction of facilities or environmental compliance and restoration activities as authorized by law, such amount available for such activity shall remain available until September 30, 2017.*

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111-242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

**Program and Financing** (in millions of dollars)

Identification code 80-0124-0-1-252	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....	3,922	3,816	3,945
<b>Budgetary Resources:</b>			
<b>Unobligated balance:</b>			
1000 Unobligated balance brought forward, Oct 1 .....	229	144	74
1021 Recoveries of prior year unpaid obligations .....	61		
1050 Unobligated balance (total) .....	290	144	74
<b>Budget authority:</b>			
<b>Appropriations, discretionary:</b>			
1100 Appropriation .....	3,746	3,746	3,949

1121 Appropriations transferred from other accounts .....	31		
1160 Appropriation, discretionary (total) .....	3,777	3,746	3,949
1930 Total budgetary resources available .....	4,067	3,890	4,023
<b>Memorandum (non-add) entries:</b>			
1940 Unobligated balance expiring .....	-1		
1941 Unexpired unobligated balance, end of year .....	144	74	78

**Change in obligated balance:**

<b>Obligated balance, start of year (net):</b>			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	1,326	1,354	1,644
3030 Obligations incurred, unexpired accounts .....	3,922	3,816	3,945
3040 Outlays (gross) .....	-3,833	-3,526	-3,871
3080 Recoveries of prior year unpaid obligations, unexpired .....	-61		
<b>Obligated balance, end of year (net):</b>			
3090 Unpaid obligations, end of year (gross) .....	1,354	1,644	1,718

**Budget authority and outlays, net:**

<b>Discretionary:</b>			
4000 Budget authority, gross .....	3,777	3,746	3,949
<b>Outlays, gross:</b>			
4010 Outlays from new discretionary authority .....	2,491	2,247	2,369
4011 Outlays from discretionary balances .....	1,342	1,279	1,502
4020 Outlays, gross (total) .....	3,833	3,526	3,871
4180 Budget authority, net (total) .....	3,777	3,746	3,949
4190 Outlays, net (total) .....	3,833	3,526	3,871

This appropriation provides for the full costs associated with the agency's human space exploration programs. The full costs provide for all of the research; development; operations; salaries and related expenses; design, repair, rehabilitation, modification of facilities, and construction of new facilities; and other general and administrative activities required to execute the programs within this account. Costs include labor, travel, procurement, test and fabrication costs.

NASA's human space exploration programs consist of several programs, including the Space Launch System, the Multi-Purpose Crew Vehicle, Commercial Crew, and the Human Research Program.

The 2012 Budget proposes transfer of the Exploration Technology Demonstration Program with the exception of extravehicular activity and life support developments from this account to the Space Technology account.

**Object Classification** (in millions of dollars)

Identification code 80-0124-0-1-252	2010 actual	CR	2012 est.
<b>Direct obligations:</b>			
<b>Personnel compensation:</b>			
11.1 Full-time permanent .....	311	278	242
11.3 Other than full-time permanent .....	31	28	24
11.5 Other personnel compensation .....	2	2	2
11.9 Total personnel compensation .....	344	308	268
12.1 Civilian personnel benefits .....	92	82	72
21.0 Travel and transportation of persons .....	18	18	15
22.0 Transportation of things .....	1	1	1
23.3 Communications, utilities, and miscellaneous charges .....	8	8	8
25.1 Advisory and assistance services .....	281	276	255
25.2 Other services from non-federal sources .....	57	56	58
25.3 Other goods and services from federal sources .....	58	57	59
25.4 Operation and maintenance of facilities .....	126	124	204
25.5 Research and development contracts .....	2,725	2,676	2,789
25.7 Operation and maintenance of equipment .....	77	76	79
26.0 Supplies and materials .....	18	18	18
31.0 Equipment .....	21	21	21
32.0 Land and structures .....	10	10	10
41.0 Grants, subsidies, and contributions .....	86	85	88
99.9 Total new obligations .....	3,922	3,816	3,945

EXPLORATION—Continued  
Employment Summary

Identification code 80-0124-0-1-252	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	3,103	2,743	2,356

EDUCATION

For necessary expenses, not otherwise provided for, in carrying out aerospace and aeronautical education research and development activities, including research, development, operations, support, and services; program management; personnel and related costs, uniforms or allowances therefor, as authorized by 5 U.S.C. 5901-5902; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, \$138,400,000, to remain available until September 30, 2013.

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111-242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 80-0128-0-1-252	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....	203	184	139
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	28	6	5
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	183	183	138
1120 Appropriations transferred to other accounts .....	-2		
1160 Appropriation, discretionary (total) .....	181	183	138
1930 Total budgetary resources available .....	209	189	143
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	6	5	4
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	118	225	229
3030 Obligations incurred, unexpired accounts .....	203	184	139
3040 Outlays (gross) .....	-96	-180	-175
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	225	229	193
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	181	183	138
Outlays, gross:			
4010 Outlays from new discretionary authority .....	25	37	28
4011 Outlays from discretionary balances .....	71	143	147
4020 Outlays, gross (total) .....	96	180	175
4180 Budget authority, net (total) .....	181	183	138
4190 Outlays, net (total) .....	96	180	175

This appropriation provides for the full costs associated with NASA's education activities within the Office of Education. NASA's Education program works to educate and inspire students at all levels to pursue careers in the fields of science, technology, engineering, and mathematics (STEM). The full costs provide for all of the research; development; operations; salaries and related expenses; and other general and administrative activities required to execute the programs within this account. Costs include labor, travel, procurement, test and fabrication costs.

To achieve this goal, NASA will continue to support projects that seek to: (1) strengthen the Nation's future STEM workforce through a portfolio of initiatives for students at all levels, especially underserved and underrepresented communities; (2) attract and retain students in STEM disciplines and encourage their

pursuit of higher education in disciplines critical to NASA's scientific and technical needs; (3) engage Americans in NASA's mission by building strategic partnerships and linkages between STEM formal and informal education providers; and (4) engage and support the STEM education community.

Object Classification (in millions of dollars)

Identification code 80-0128-0-1-252	2010 actual	CR	2012 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent .....	2		6
12.1 Civilian personnel benefits .....	1		2
21.0 Travel and transportation of persons .....	1	1	
25.1 Advisory and assistance services .....	6	6	4
25.2 Other services from non-federal sources .....	6	6	4
25.4 Operation and maintenance of facilities .....	1	1	2
25.5 Research and development contracts .....	13	10	7
25.7 Operation and maintenance of equipment .....	4	4	3
26.0 Supplies and materials .....	1	1	1
41.0 Grants, subsidies, and contributions .....	168	155	110
99.9 Total new obligations .....	203	184	139

Employment Summary

Identification code 80-0128-0-1-252	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	22		58

CROSS AGENCY SUPPORT

For necessary expenses, not otherwise provided for, in the conduct and support of science, aeronautics, exploration, space operations and education research and development activities, including research, development, operations, support, and services; maintenance and repair, facility planning and design; space flight, spacecraft control, and communications activities; program management; personnel and related costs, including uniforms or allowances therefor, as authorized by 5 U.S.C. 5901-5902; travel expenses; purchase and hire of passenger motor vehicles; not to exceed \$120,000 for official reception and representation expenses; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, \$3,192,000,000, to remain available until September 30, 2013: Provided, That of the funds made available under this heading, \$3,600,000 is for strengthening the Agency's acquisition workforce capacity and capabilities: Provided further, That, with respect to the previous proviso, such funds shall be available for training, recruitment, retention, and hiring members of the acquisition workforce as defined by the Office of Federal Procurement Policy Act, as amended (41 U.S.C. 401 et seq.): Provided further, That, with respect to the first proviso, such funds shall be available for information technology in support of acquisition workforce effectiveness or for management solutions to improve acquisition management.

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111-242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 80-0122-0-1-252	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....	3,241	3,210	3,192
0801 Reimbursable program .....	1,400	3,172	2,600
0900 Total new obligations .....	4,641	6,382	5,792
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	309	21	5
1021 Recoveries of prior year unpaid obligations .....	46		
1050 Unobligated balance (total) .....	355	21	5
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	3,194	3,194	3,192

1120	Appropriations transferred to other accounts .....	-53		
1160	Appropriation, discretionary (total) .....	3,141	3,194	3,192
	Spending authority from offsetting collections, discretionary:			
1700	Collected .....	1,215	3,172	2,600
1701	Change in uncollected payments, Federal sources .....	-47		
1750	Spending auth from offsetting collections, disc (total) .....	1,168	3,172	2,600
1900	Budget authority (total) .....	4,309	6,366	5,792
1930	Total budgetary resources available .....	4,664	6,387	5,797
	Memorandum (non-add) entries:			
1940	Unobligated balance expiring .....	-2		
1941	Unexpired unobligated balance, end of year .....	21	5	5
<b>Change in obligated balance:</b>				
	Obligated balance, start of year (net):			
3000	Unpaid obligations, brought forward, Oct 1 (gross) .....	1,715	1,811	1,334
3010	Uncollected pymts, Fed sources, brought forward, Oct 1 .....	-805	-758	-758
3020	Obligated balance, start of year (net) .....	910	1,053	576
3030	Obligations incurred, unexpired accounts .....	4,641	6,382	5,792
3040	Outlays (gross) .....	-4,499	-6,859	-5,789
3050	Change in uncollected pymts, Fed sources, unexpired .....	47		
3080	Recoveries of prior year unpaid obligations, unexpired .....	-46		
	Obligated balance, end of year (net):			
3090	Unpaid obligations, end of year (gross) .....	1,811	1,334	1,337
3091	Uncollected pymts, Fed sources, end of year .....	-758	-758	-758
3100	Obligated balance, end of year (net) .....	1,053	576	579
<b>Budget authority and outlays, net:</b>				
	Discretionary:			
4000	Budget authority, gross .....	4,309	6,366	5,792
	Outlays, gross:			
4010	Outlays from new discretionary authority .....	2,875	5,727	5,154
4011	Outlays from discretionary balances .....	1,624	1,132	635
4020	Outlays, gross (total) .....	4,499	6,859	5,789
	Offsets against gross budget authority and outlays:			
	Offsetting collections (collected) from:			
4030	Federal sources .....	-1,131	-1,736	-1,627
4033	Non-Federal sources .....	-84	-1,436	-973
4040	Offsets against gross budget authority and outlays (total) .....	-1,215	-3,172	-2,600
	Additional offsets against gross budget authority only:			
4050	Change in uncollected pymts, Fed sources, unexpired .....	47		
4052	Offsetting collections credited to expired accounts .....			
4060	Additional offsets against budget authority only (total) .....	47		
4070	Budget authority, net (discretionary) .....	3,141	3,194	3,192
4080	Outlays, net (discretionary) .....	3,284	3,687	3,189
4180	Budget authority, net (total) .....	3,141	3,194	3,192
4190	Outlays, net (total) .....	3,284	3,687	3,189

This appropriation provides for the Agency supporting functions associated with the science, aeronautics, education, space operations, exploration, and construction and environmental compliance and restoration activities of the agency. This account provides for the research; development; operations; maintenance and repair; facility planning and design; salaries and related expenses; and other general and administrative activities supporting the programs within the Agency's five mission accounts.

Cross-Agency Support provides a strategic focus for managing agency mission support functions and some of NASA's unique research facilities. Center Management and Operations includes the basic costs to manage and operate each of the nine NASA field centers and to maintain the technical capabilities required to support the Agency's Mission. This Budget is not directly identified or aligned to a specific program or project requirement, but is necessary for efficient and effective administration and operation of the NASA Centers.

Agency Management and Operations provides for the management and oversight of Agency programs, the performance of Agency-wide activities and functions, and the maintenance of unique research capabilities and facilities. Responsibilities include the determination of programs and projects; establishment of management policies, procedures, and performance criteria; evaluation of progress; and the coordination and integration of all phases of the Agency's mission.

**Object Classification** (in millions of dollars)

Identification code 80-0122-0-1-252	2010 actual	CR	2012 est.	
<b>Direct obligations:</b>				
<b>Personnel compensation:</b>				
11.1	Full-time permanent .....	891	994	964
11.3	Other than full-time permanent .....	50	56	54
11.5	Other personnel compensation .....	42	47	45
11.8	Special personal services payments .....	1	1	1
11.9	Total personnel compensation .....	984	1,098	1,064
12.1	Civilian personnel benefits .....	246	274	266
13.0	Benefits for former personnel .....	3	3	3
21.0	Travel and transportation of persons .....	33	30	31
22.0	Transportation of things .....	3	3	3
23.1	Rental payments to GSA .....	21	19	19
23.2	Rental payments to others .....	2	2	2
23.3	Communications, utilities, and miscellaneous charges .....	62	57	57
24.0	Printing and reproduction .....	5	5	5
25.1	Advisory and assistance services .....	199	182	184
25.2	Other services from non-federal sources .....	327	299	303
25.3	Other goods and services from federal sources .....	64	58	59
25.4	Operation and maintenance of facilities .....	295	269	273
25.5	Research and development contracts .....	335	306	311
25.6	Medical care .....	5	5	5
25.7	Operation and maintenance of equipment .....	395	361	365
26.0	Supplies and materials .....	28	26	26
31.0	Equipment .....	64	58	59
32.0	Land and structures .....	80	73	74
41.0	Grants, subsidies, and contributions .....	90	82	83
99.0	Direct obligations .....	3,241	3,210	3,192
99.0	Reimbursable obligations .....	1,400	3,172	2,600
99.9	Total new obligations .....	4,641	6,382	5,792

**Employment Summary**

Identification code 80-0122-0-1-252	2010 actual	CR	2012 est.	
1001	Direct civilian full-time equivalent employment .....	8,599	9,471	8,744
2001	Reimbursable civilian full-time equivalent employment .....	225	275	279

**CONSTRUCTION AND ENVIRONMENTAL COMPLIANCE AND RESTORATION**

*For necessary expenses for construction of facilities including repair, rehabilitation, revitalization, and modification of facilities, construction of new facilities and additions to existing facilities, facility planning and design, and restoration, and acquisition or condemnation of real property, as authorized by law, and environmental compliance and restoration, \$450,400,000, to remain available until September 30, 2017: Provided, That 51 U.S.C. 20145(b) is amended by inserting "(A)" immediately following "(1)" and adding at the end thereof the following new subparagraph (B) as follows: "(B) Notwithstanding subparagraph (A), the Administrator may accept in-kind consideration for leases entered into for the purpose of developing renewable energy production facilities."*

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111-242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

**Program and Financing** (in millions of dollars)

Identification code 80-0130-0-1-252	2010 actual	CR	2012 est.	
<b>Obligations by program activity:</b>				
0001	Direct program activity .....	369	422	449
0801	Reimbursable program .....	1	4	4
0900	Total new obligations .....	370	426	453
<b>Budgetary Resources:</b>				
Unobligated balance:				
1000	Unobligated balance brought forward, Oct 1 .....		86	108
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation .....	448	448	450
1120	Appropriations transferred to other accounts .....	-15		
1121	Appropriations transferred from other accounts .....	20		

CONSTRUCTION AND ENVIRONMENTAL COMPLIANCE AND RESTORATION—Continued  
Program and Financing—Continued

Identification code 80-0130-0-1-252	2010 actual	CR	2012 est.
1160 Appropriation, discretionary (total) .....	453	448	450
Spending authority from offsetting collections, discretionary:			
1700 Collected .....	3		
1900 Budget authority (total) .....	456	448	450
1930 Total budgetary resources available .....	456	534	558
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	86	108	105
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....		302	453
3030 Obligations incurred, unexpired accounts .....	370	426	453
3040 Outlays (gross) .....	-68	-275	-405
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	302	453	501
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	456	448	450
Outlays, gross:			
4010 Outlays from new discretionary authority .....	68	67	68
4011 Outlays from discretionary balances .....		208	337
4020 Outlays, gross (total) .....	68	275	405
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4033 Non-Federal sources .....	-3		
4070 Budget authority, net (discretionary) .....	453	448	450
4080 Outlays, net (discretionary) .....	65	275	405
4180 Budget authority, net (total) .....	453	448	450
4190 Outlays, net (total) .....	65	275	405

This appropriation provides for NASA's construction and environmental compliance and restoration activities, and allows NASA to receive in-kind consideration for Enhanced Use Leasing (EUL) authority renewable energy projects. The full costs provide for all of the research; development; operations; design, repair, rehabilitation, modification of facilities, and construction of new facilities; and other general and administrative activities required to execute the programs within this account. Allowing NASA to receive in-kind consideration for EUL renewable energy projects, such as a portion of the produced energy, would help to create conditions attractive to industry and support NASA compliance with statutory and Executive Order requirements.

Object Classification (in millions of dollars)

Identification code 80-0130-0-1-252	2010 actual	CR	2012 est.
Direct obligations:			
25.1 Advisory and assistance services .....	47	54	57
25.2 Other services from non-federal sources .....	7	8	9
25.3 Other goods and services from federal sources .....	5	6	6
25.4 Operation and maintenance of facilities .....	73	84	89
25.5 Research and development contracts .....	36	40	44
25.7 Operation and maintenance of equipment .....	4	5	5
26.0 Supplies and materials .....	6	7	7
32.0 Land and structures .....	190	218	232
99.0 Direct obligations .....	368	422	449
99.0 Reimbursable obligations .....	2	4	4
99.9 Total new obligations .....	370	426	453

SPACE OPERATIONS

For necessary expenses, not otherwise provided for, in the conduct and support of space operations research and development activities, including research, development, operations, support, and services; maintenance; construction of facilities including repair, rehabilitation, revitalization, and modification of facilities, construction of new facilities and additions

to existing facilities, facility planning and design, and restoration, and acquisition or condemnation of real property, as authorized by law; space flight, spacecraft control and communications activities; program management; personnel and related costs, including uniforms or allowances therefor, as authorized by 5 U.S.C. 5901-5902; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance and operation of mission and administrative aircraft, \$4,346,900,000, to remain available until September 30, 2013: Provided, That when any activity has been initiated by the incurrence of obligations for construction of facilities or environmental compliance and restoration activities as authorized by law, such amount available for such activity shall remain available until September 30, 2017.

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111-242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 80-0115-0-1-252	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Space operations .....	6,132	6,127	4,383
0801 Reimbursable program activity .....	2		
0900 Total new obligations .....	6,134	6,127	4,383
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	43	103	123
1012 Expired unobligated bal transferred to unexpired accts .....	6		
1021 Recoveries of prior year unpaid obligations .....	48		
1050 Unobligated balance (total) .....	97	103	123
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	6,147	6,147	4,347
1120 Appropriations transferred to other accounts .....	-5		
1160 Appropriation, discretionary (total) .....	6,142	6,147	4,347
1900 Budget authority (total) .....	6,142	6,147	4,347
1930 Total budgetary resources available .....	6,239	6,250	4,470
Memorandum (non-add) entries:			
1940 Unobligated balance expiring .....	-2		
1941 Unexpired unobligated balance, end of year .....	103	123	87
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	1,448	1,723	1,538
3010 Uncollected pymts, Fed sources, brought forward, Oct 1 .....	-15	-12	-12
3020 Obligated balance, start of year (net) .....	1,433	1,711	1,526
3030 Obligations incurred, unexpired accounts .....	6,134	6,127	4,383
3031 Obligations incurred, expired accounts .....	6		
3040 Outlays (gross) .....	-5,802	-6,312	-4,798
3051 Change in uncollected pymts, Fed sources, expired .....	3		
3080 Recoveries of prior year unpaid obligations, unexpired .....	-48		
3081 Recoveries of prior year unpaid obligations, expired .....	-15		
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	1,723	1,538	1,123
3091 Uncollected pymts, Fed sources, end of year .....	-12	-12	-12
3100 Obligated balance, end of year (net) .....	1,711	1,526	1,111
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	6,142	6,147	4,347
Outlays, gross:			
4010 Outlays from new discretionary authority .....	4,554	4,610	3,259
4011 Outlays from discretionary balances .....	1,248	1,702	1,539
4020 Outlays, gross (total) .....	5,802	6,312	4,798
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources .....	-6		
4033 Non-Federal sources .....	4		
4040 Offsets against gross budget authority and outlays (total) .....	-2		
Additional offsets against gross budget authority only:			
4052 Offsetting collections credited to expired accounts .....	2		
4070 Budget authority, net (discretionary) .....	6,142	6,147	4,347
4080 Outlays, net (discretionary) .....	5,800	6,312	4,798
4180 Budget authority, net (total) .....	6,142	6,147	4,347
4190 Outlays, net (total) .....	5,800	6,312	4,798

This appropriation provides for the full costs associated with the space operations activities of the agency. The full costs include all labor, travel, procurement, test and fabrication costs to execute these programs, which provide for all of the research; development; operations; salaries and related expenses; design, repair, rehabilitation, modification of facilities, and construction of new facilities; and other general and administrative activities supporting the programs within this account. Major programs within the Space Operations account include the Space Shuttle, International Space Station, and Space and Flight Support. Detailed performance goals associated with these activities are addressed in NASA's detailed budget request.

After nearly 30 years, the Space Shuttle is retiring after helping to build the International Space Station. The International Space Station is a complex of research laboratories in low Earth orbit in which America and its international partners, including Russia, Canada, Europe, and Japan, conduct unique scientific and technological investigations in a microgravity environment. The objective of the Space Station is to support human space exploration and conduct science experiments and technology development unique to the on-orbit attributes of the facility.

Space and Flight Support is comprised of multiple capabilities that provide on-going customer support for a wide range of services. The programs include Space Communications and Navigation, Human Space Flight Operations, Launch Services, Rocket Propulsion Testing, and Florida 21st Century Launch Complex Modernization. They are provided to a wide range of customers including NASA, other U.S. Federal agencies, foreign governments, and commercial customers.

**Object Classification** (in millions of dollars)

Identification code 80-0115-0-1-252	2010 actual	CR	2012 est.
<b>Direct obligations:</b>			
<b>Personnel compensation:</b>			
11.1 Full-time permanent .....	313	300	252
11.3 Other than full-time permanent .....	23	22	18
11.5 Other personnel compensation .....	3	3	2
11.9 Total personnel compensation .....	339	325	272
12.1 Civilian personnel benefits .....	88	84	71
21.0 Travel and transportation of persons .....	19	18	11
22.0 Transportation of things .....	631	832	1,139
23.2 Rental payments to others .....	1	1	1
23.3 Communications, utilities, and miscellaneous charges .....	30	29	17
24.0 Printing and reproduction .....	1	1	1
25.1 Advisory and assistance services .....	143	138	82
25.2 Other services from non-federal sources .....	131	126	75
25.3 Other goods and services from federal sources .....	85	82	49
25.4 Operation and maintenance of facilities .....	1,618	1,558	925
25.5 Research and development contracts .....	2,606	2,510	1,488
25.7 Operation and maintenance of equipment .....	342	329	196
26.0 Supplies and materials .....	48	46	27
31.0 Equipment .....	19	18	11
32.0 Land and structures .....	26	25	15
41.0 Grants, subsidies, and contributions .....	5	5	3
99.0 Direct obligations .....	6,132	6,127	4,383
99.0 Reimbursable obligations .....	2		
99.9 Total new obligations .....	6,134	6,127	4,383

**Employment Summary**

Identification code 80-0115-0-1-252	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	2,996	2,838	2,368

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111-242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

**Program and Financing** (in millions of dollars)

Identification code 80-0109-0-1-252	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....	35	36	37
0801 Reimbursable program activity .....	1	1	1
0900 Total new obligations .....	36	37	38
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	2	1	1
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	36	36	38
Spending authority from offsetting collections, discretionary:			
1700 Collected .....	1	1	1
1900 Budget authority (total) .....	37	37	39
1930 Total budgetary resources available .....	39	38	40
Memorandum (non-add) entries:			
1940 Unobligated balance expiring .....	-2		
1941 Unexpired unobligated balance, end of year .....	1	1	2
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	5	6	5
3030 Obligations incurred, unexpired accounts .....	36	37	38
3040 Outlays (gross) .....	-35	-38	-40
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	6	5	3
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	37	37	39
Outlays, gross:			
4010 Outlays from new discretionary authority .....	31	33	35
4011 Outlays from discretionary balances .....	4	5	5
4020 Outlays, gross (total) .....	35	38	40
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources .....	-1	-1	-1
4070 Budget authority, net (discretionary) .....	36	36	38
4080 Outlays, net (discretionary) .....	34	37	39
4180 Budget authority, net (total) .....	36	36	38
4190 Outlays, net (total) .....	34	37	39

This appropriation provides for the full costs associated with the operations of the NASA Office of Inspector General. The mission of the Office of Inspector General is to conduct audits and investigations of agency activities. The Inspector General keeps the Administrator and the Congress informed of problems and deficiencies in agency programs and operations.

**Object Classification** (in millions of dollars)

Identification code 80-0109-0-1-252	2010 actual	CR	2012 est.
<b>Direct obligations:</b>			
11.1 Personnel compensation: Full-time permanent .....	23	26	26
12.1 Civilian personnel benefits .....	6	7	7
21.0 Travel and transportation of persons .....	1	1	1
25.2 Other services from non-federal sources .....	5	2	3
99.0 Direct obligations .....	35	36	37
99.0 Reimbursable obligations .....	1	1	1
99.9 Total new obligations .....	36	37	38

**Employment Summary**

Identification code 80-0109-0-1-252	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	188	213	213

OFFICE OF INSPECTOR GENERAL

For necessary expenses of the Office of Inspector General in carrying out the Inspector General Act of 1978, \$37,500,000.

OFFICE OF INSPECTOR GENERAL—Continued  
Employment Summary—Continued

Identification code 80-0109-0-1-252	2010 actual	CR	2012 est.
2001 Reimbursable civilian full-time equivalent employment .....	6		

SCIENCE, AERONAUTICS, AND EXPLORATION  
Program and Financing (in millions of dollars)

Identification code 80-0114-0-1-999	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....	30	5	
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	27	5	
1021 Recoveries of prior year unpaid obligations .....	8		
1050 Unobligated balance (total) .....	35	5	
1930 Total budgetary resources available .....	35	5	
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	5		
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	1,289	338	
3010 Uncollected pymts, Fed sources, brought forward, Oct 1 .....	-162	-52	-52
3020 Obligated balance, start of year (net) .....	1,127	286	-52
3030 Obligations incurred, unexpired accounts .....	30	5	
3031 Obligations incurred, expired accounts .....	9		
3040 Outlays (gross) .....	-930	-343	
3051 Change in uncollected pymts, Fed sources, expired .....	110		
3080 Recoveries of prior year unpaid obligations, unexpired .....	-8		
3081 Recoveries of prior year unpaid obligations, expired .....	-52		
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	338		
3091 Uncollected pymts, Fed sources, end of year .....	-52	-52	-52
3100 Obligated balance, end of year (net) .....	286	-52	-52
<b>Budget authority and outlays, net:</b>			
Discretionary:			
Outlays, gross:			
4011 Outlays from discretionary balances .....	930	343	
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources .....	-104		
4033 Non-Federal sources .....	2		
4040 Offsets against gross budget authority and outlays (total) ....	-102		
Additional offsets against gross budget authority only:			
4052 Offsetting collections credited to expired accounts .....	102		
4070 Budget authority, net (discretionary) .....			
4080 Outlays, net (discretionary) .....	828	343	
4180 Budget authority, net (total) .....			
4190 Outlays, net (total) .....	828	343	

NASA's Science, Aeronautics and Exploration account formerly included Science, Aeronautics Research, Exploration Systems and Cross Agency Support Programs. Beginning in 2009, Science, Aeronautics, Exploration, Education and Cross Agency Support were split into five separate appropriation accounts. The Science, Aeronautics, and Exploration account shows spending from balances prior to the account restructuring.

Object Classification (in millions of dollars)

Identification code 80-0114-0-1-999	2010 actual	CR	2012 est.
Direct obligations:			
25.4 Operation and maintenance of facilities .....	10	2	
25.5 Research and development contracts .....	12	2	
32.0 Land and structures .....	8	1	
99.0 Direct obligations .....	30	5	

99.9 Total new obligations .....	30	5	
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HUMAN SPACE FLIGHT

Program and Financing (in millions of dollars)

Identification code 80-0111-0-1-252	2010 actual	CR	2012 est.
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....		2	2
1021 Recoveries of prior year unpaid obligations .....	2		
1050 Unobligated balance (total) .....	2	2	2
1930 Total budgetary resources available .....	2	2	2
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	2	2	2
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....		5	5
3040 Outlays (gross) .....	-3		
3080 Recoveries of prior year unpaid obligations, unexpired .....	-2		
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	5	5	5
<b>Budget authority and outlays, net:</b>			
Discretionary:			
Outlays, gross:			
4011 Outlays from discretionary balances .....	3		
Additional offsets against gross budget authority only:			
4052 Offsetting collections credited to expired accounts .....			
4080 Outlays, net (discretionary) .....	3		
4180 Budget authority, net (total) .....			
4190 Outlays, net (total) .....	3		

NASA's Human Space Flight account formerly included the International Space Station; Space Shuttle Payload and Expendable Launch Vehicle Support; Human Exploration and Development of Space Investments and Support; Space Communications and Data Systems; and Safety, Mission Assurance and Engineering. Beginning in 2004, Safety, Mission Assurance, and Engineering was allocated as an indirect charge to all programs and all other programs (along with the Crosscutting Technologies portion of the Aerospace Technology Enterprise) were rolled into the Space Flight Capabilities account. In 2005, the Space Flight Capabilities account was renamed the Exploration Capabilities account. In 2009, the Exploration Capabilities account was renamed Space Operations. The Human Space Flight account shows spending from balances prior to the account restructuring.

SCIENCE, AERONAUTICS AND TECHNOLOGY

Program and Financing (in millions of dollars)

Identification code 80-0110-0-1-999	2010 actual	CR	2012 est.
<b>Budgetary Resources:</b>			
1930 Total budgetary resources available .....			
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	4	2	2
3040 Outlays (gross) .....	-2		
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	2	2	2
<b>Budget authority and outlays, net:</b>			
Discretionary:			
Outlays, gross:			
4011 Outlays from discretionary balances .....	2		
4180 Budget authority, net (total) .....			
4190 Outlays, net (total) .....	2		

NASA's Science, Aeronautics and Technology account formerly included Space Science, Biological and Physical Research, Earth Science, Aerospace Technology, and Education. Beginning in 2004, Space Science, Biological and Physical Research, Earth Science, the Aeronautics portion of Aerospace Technology, and Education were rolled into the Science, Aeronautics and Exploration account. These programs are now funded by the Aeronautics, Education, Science, and Exploration accounts. The Science, Aeronautics, and Technology account shows spending from balances prior to the account restructuring.

MISSION SUPPORT

Program and Financing (in millions of dollars)

Identification code 80-0112-0-1-999	2010 actual	CR	2012 est.
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	1	1	1
1930 Total budgetary resources available .....	1	1	1
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	1	1	1
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	3	3	3
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	3	3	3
4180 Budget authority, net (total) .....			
4190 Outlays, net (total) .....			

NASA's Mission Support account formerly included Research and Program Management and Construction of Facilities. The Mission Support account shows spending from residual construction of facilities balances from prior to 2004.

WORKING CAPITAL FUND

Program and Financing (in millions of dollars)

Identification code 80-4546-0-4-252	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0801 Reimbursable program activity .....	74	79	82
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	12	6	6
1021 Recoveries of prior year unpaid obligations .....	1		
1050 Unobligated balance (total) .....	13	6	6
Budget authority:			
Spending authority from offsetting collections, discretionary:			
1700 Collected .....	67	79	82
1930 Total budgetary resources available .....	80	85	88
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	6	6	6
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	37	31	41
3030 Obligations incurred, unexpired accounts .....	74	79	82
3040 Outlays (gross) .....	-79	-69	-80
3080 Recoveries of prior year unpaid obligations, unexpired .....	-1		
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	31	41	43
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	67	79	82
Outlays, gross:			
4010 Outlays from new discretionary authority .....	67	39	40
4011 Outlays from discretionary balances .....	12	30	40
4020 Outlays, gross (total) .....	79	69	80

Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources .....	-58	-39	-45
4033 Non-Federal sources .....	-9	-40	-38
4040 Offsets against gross budget authority and outlays (total) ....	-67	-79	-83
Additional offsets against gross budget authority only:			
4052 Offsetting collections credited to expired accounts .....			1
4070 Budget authority, net (discretionary) .....			
4080 Outlays, net (discretionary) .....	12	-10	-3
4180 Budget authority, net (total) .....			
4190 Outlays, net (total) .....	12	-10	-3

The Working Capital Fund provides goods and services on a reimbursable basis. The Fund finances Scientific & Engineering Workstation Procurement and the NASA Shared Services Center. The Shared Services Center commenced operation in 2006 and performs selected financial management, human resources, information technology, and procurement services for NASA Headquarters and Centers.

Object Classification (in millions of dollars)

Identification code 80-4546-0-4-252	2010 actual	CR	2012 est.
<b>Reimbursable obligations:</b>			
11.1 Personnel compensation: Full-time permanent .....	11	12	12
12.1 Civilian personnel benefits .....	3	3	3
21.0 Travel and transportation of persons .....	1	1	1
25.1 Advisory and assistance services .....	1	1	1
25.2 Other services from non-federal sources .....	47	51	53
25.4 Operation and maintenance of facilities .....	4	4	4
25.7 Operation and maintenance of equipment .....	6	6	7
31.0 Equipment .....	1	1	1
99.0 Reimbursable obligations .....	74	79	82
99.9 Total new obligations .....	74	79	82

Employment Summary

Identification code 80-4546-0-4-252	2010 actual	CR	2012 est.
2001 Reimbursable civilian full-time equivalent employment .....	134	119	145

Trust Funds

SCIENCE, SPACE, AND TECHNOLOGY EDUCATION TRUST FUND

Special and Trust Fund Receipts (in millions of dollars)

Identification code 80-8978-0-7-503	2010 actual	CR	2012 est.
0100 Balance, start of year .....	14	15	15
Adjustments:			
0191 Rounding adjustment .....	1		
0199 Balance, start of year .....	15	15	15
Receipts:			
0240 Earnings on Investments, Science, Space and Technology Education Trust Fund .....	1	1	1
0299 Total receipts and collections .....	1	1	1
0400 Total: Balances and collections .....	16	16	16
Appropriations:			
0500 Science, Space, and Technology Education Trust Fund .....	-1	-1	-1
0599 Total appropriations .....	-1	-1	-1
0799 Balance, end of year .....	15	15	15

Program and Financing (in millions of dollars)

Identification code 80-8978-0-7-503	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Direct program activity .....	1	1	1
0900 Total new obligations (object class 41.0) .....	1	1	1

SCIENCE, SPACE, AND TECHNOLOGY EDUCATION TRUST FUND—Continued  
Program and Financing—Continued

Identification code 80-8978-0-7-503	2010 actual	CR	2012 est.
<b>Budgetary Resources:</b>			
Budget authority:			
Appropriations, mandatory:			
1202			
Appropriation (trust fund) .....	1	1	1
1930			
Total budgetary resources available .....	1	1	1
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000			
Unpaid obligations, brought forward, Oct 1 (gross) .....			
3030			
Obligations incurred, unexpired accounts .....	1	1	1
3040			
Outlays (gross) .....	-1	-1	-1
Obligated balance, end of year (net):			
3090			
Unpaid obligations, end of year (gross) .....			
<b>Budget authority and outlays, net:</b>			
Mandatory:			
4090			
Budget authority, gross .....	1	1	1
Outlays, gross:			
4100			
Outlays from new mandatory authority .....	1	1	1
4180			
Budget authority, net (total) .....	1	1	1
4190			
Outlays, net (total) .....	1	1	1
<b>Memorandum (non-add) entries:</b>			
5000			
Total investments, SOY: Federal securities: Par value .....	15	15	15
5001			
Total investments, EOY: Federal securities: Par value .....	15	15	15

NATIONAL SPACE GRANT PROGRAM  
Program and Financing (in millions of dollars)

Identification code 80-8977-0-7-252	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001			
Direct program activity .....	1		
0900			
Total new obligations (object class 25.5) .....	1		
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000			
Unobligated balance brought forward, Oct 1 .....	3	2	2
1930			
Total budgetary resources available .....	3	2	2
Memorandum (non-add) entries:			
1941			
Unexpired unobligated balance, end of year .....	2	2	2
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000			
Unpaid obligations, brought forward, Oct 1 (gross) .....			
3030			
Obligations incurred, unexpired accounts .....	1		
3040			
Outlays (gross) .....	-1		
Obligated balance, end of year (net):			
3090			
Unpaid obligations, end of year (gross) .....			

Budget authority and outlays, net:

Discretionary:			
Outlays, gross:			
4011			
Outlays from discretionary balances .....	1		
4180			
Budget authority, net (total) .....			
4190			
Outlays, net (total) .....	1		

ADMINISTRATIVE PROVISIONS

Funds for announced prizes otherwise authorized shall remain available, without fiscal year limitation, until the prize is claimed or the offer is withdrawn.

Not to exceed 5 percent of any appropriation made available for the current fiscal year for the National Aeronautics and Space Administration in this Act may be transferred between such appropriations, but no such appropriation, except as otherwise specifically provided, shall be increased by more than 10 percent by any such transfers. Balances so transferred shall be merged and available for the same purposes and the same time period as the appropriations to which transferred. Any transfer pursuant to this provision shall be treated as a reprogramming of funds under section 505 of this Act and shall not be available for obligation except in compliance with the procedures set forth in that section.

The unexpired balances of previous accounts, for activities for which funds are provided under this Act, may be transferred to the new accounts established in this Act that provide such activity. Balances so transferred shall be merged with the funds in the newly established accounts, but shall be available under the same terms, conditions and period of time as previously appropriated.

Section 40902 of title 51, United States Code, is amended by adding at the end thereof: "(d) Availability of Funds—The interest accruing from the National Aeronautics and Space Administration Endeavor Teacher Fellowship Trust Fund principal shall be available in FY 2012 and hereafter for the purpose of the Endeavor Science Teacher Certificate Program."

Of funds provided under the heading "Science" in this Act, up to \$10,000,000 shall be available for a reimbursable agreement with the Department of Energy for the purpose of re-establishing facilities to produce fuel required for radioisotope thermoelectric generators to enable future missions.

GENERAL FUND RECEIPT ACCOUNT

(in millions of dollars)

	2010 actual	CR	2012 est.
Offsetting receipts from the public:			
80-32000			
All Other General Fund Proprietary Receipts Including Budget Clearing Accounts .....	7	15	15
General Fund Offsetting receipts from the public .....	7	15	15