

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 sections 5901 and 5902 of title 5, United States Code; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, **[\$5,244,700,000]** \$5,288,600,000, to remain available until September 30, **[2016: *Provided*, That the formulation and development costs (with development cost as defined under section 30104 of title 51, United States Code) for the James Webb Space Telescope shall not exceed \$8,000,000,000: *Provided further*, That should the individual identified under subsection (c)(2)(E) of section 30104 of title 51, United States Code, as responsible for the James Webb Space Telescope determine that the development cost of the program is likely to exceed that limitation, the individual shall immediately notify the Administrator and the increase shall be treated as if it meets the 30 percent threshold described in subsection (f) of section 30104: *Provided further*, That \$100,000,000 shall be for pre-formulation and/or formulation activities for a mission that meets the science goals outlined for the Jupiter Europa mission in the most recent planetary science decadal survey]** 2017. (*Science Appropriations Act, 2015.*)

Program and Financing (in millions of dollars)

Identification code 080-0120-0-1-252	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Science (Direct)	5,098	5,245	5,289
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	171	275	275
1021 Recoveries of prior year unpaid obligations	60		
1050 Unobligated balance (total)	231	275	275
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	5,151	5,245	5,289
1120 Appropriations transferred to other accts CECR [080-0130]	-3		
1160 Appropriation, discretionary (total)	5,148	5,245	5,289
1930 Total budgetary resources available	5,379	5,520	5,564
Memorandum (non-add) entries:			
1940 Unobligated balance expiring	-6		
1941 Unexpired unobligated balance, end of year	275	275	275
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	3,033	3,176	3,202
3010 Obligations incurred, unexpired accounts	5,098	5,245	5,289
3011 Obligations incurred, expired accounts	14		
3020 Outlays (gross)	-4,895	-5,219	-5,269
3040 Recoveries of prior year unpaid obligations, unexpired	-60		
3041 Recoveries of prior year unpaid obligations, expired	-14		
3050 Unpaid obligations, end of year	3,176	3,202	3,222
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	3,033	3,176	3,202
3200 Obligated balance, end of year	3,176	3,202	3,222
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	5,148	5,245	5,289
Outlays, gross:			
4010 Outlays from new discretionary authority	2,141	2,571	2,593
4011 Outlays from discretionary balances	2,754	2,648	2,676
4020 Outlays, gross (total)	4,895	5,219	5,269
4180 Budget authority, net (total)	5,148	5,245	5,289
4190 Outlays, net (total)	4,895	5,219	5,269

The Science appropriation provides for NASA's science mission, which is comprised of the agency's Earth and space science programs: Earth Science, Planetary Science, Heliophysics, the James Webb Space Telescope, and Astrophysics. These programs, which are managed by the Science

Mission Directorate, seek 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. Program objectives are pursued through robotic flight missions, ground-based scientific research and data analysis, and the development of new technologies for future missions.

The Science 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, and test and fabrication costs. Performance goals associated with these activities are addressed in NASA's detailed budget request.

Object Classification (in millions of dollars)

Identification code 080-0120-0-1-252	2014 actual	2015 est.	2016 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	233	240	242
11.3 Other than full-time permanent	5	6	5
11.5 Other personnel compensation	2	2	2
11.9 Total personnel compensation	240	248	249
12.1 Civilian personnel benefits	68	70	71
21.0 Travel and transportation of persons	20	23	24
22.0 Transportation of things	9	11	9
23.2 Rental payments to others	3	4	3
23.3 Communications, utilities, and miscellaneous charges	3	3	3
24.0 Printing and reproduction	1	2	1
25.1 Advisory and assistance services	81	83	83
25.2 Other services from non-Federal sources	195	199	200
25.3 Other goods and services from Federal sources	140	147	145
25.4 Operation and maintenance of facilities	12	15	61
25.5 Research and development contracts	3,577	3,667	3,685
25.7 Operation and maintenance of equipment	75	77	78
26.0 Supplies and materials	27	31	28
31.0 Equipment	46	47	48
41.0 Grants, subsidies, and contributions	601	618	601
99.9 Total new obligations	5,098	5,245	5,289

Employment Summary

Identification code 080-0120-0-1-252	2014 actual	2015 est.	2016 est.
1001 Direct civilian full-time equivalent employment	1,965	1,911	1,900

AERONAUTICS

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; space flight, spacecraft control, and communications activities; program management; personnel and related costs, including uniforms or allowances therefor, as authorized by sections 5901 and 5902 of title 5, United States Code; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, **[\$651,000,000]** \$571,400,000, to remain available until September 30, **[2016]** 2017. (*Science Appropriations Act, 2015.*)

Program and Financing (in millions of dollars)

Identification code 080-0126-0-1-402	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Aeronautics (Direct)	566	651	571
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	12	17	17
1021 Recoveries of prior year unpaid obligations	6		

AERONAUTICS—Continued
Program and Financing—Continued

Identification code 080–0126–0–1–402		2014 actual	2015 est.	2016 est.
1050	Unobligated balance (total)	18	17	17
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation	566	651	571
1160	Appropriation, discretionary (total)	566	651	571
1930	Total budgetary resources available	584	668	588
Memorandum (non-add) entries:				
1940	Unobligated balance expiring	–1
1941	Unexpired unobligated balance, end of year	17	17	17
Change in obligated balance:				
Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1	234	254	371
3010	Obligations incurred, unexpired accounts	566	651	571
3011	Obligations incurred, expired accounts	1
3020	Outlays (gross)	–539	–534	–602
3040	Recoveries of prior year unpaid obligations, unexpired	–6
3041	Recoveries of prior year unpaid obligations, expired	–2
3050	Unpaid obligations, end of year	254	371	340
Memorandum (non-add) entries:				
3100	Obligated balance, start of year	234	254	371
3200	Obligated balance, end of year	254	371	340
Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	566	651	571
Outlays, gross:				
4010	Outlays from new discretionary authority	336	319	279
4011	Outlays from discretionary balances	203	215	323
4020	Outlays, gross (total)	539	534	602
4180	Budget authority, net (total)	566	651	571
4190	Outlays, net (total)	539	534	602

This appropriation provides for the full costs associated with NASA's Aeronautics Research mission which aims to expand the boundaries of aeronautical knowledge for the benefit of the nation and the broad aeronautics community. The mission is managed by NASA's Aeronautics Research Mission Directorate, and consists of the following integrated research programs: Airspace Operations and Safety, Advanced Air Vehicles, Integrated Aviation Systems, and Transformative Aeronautics Concepts. Full costs of these programs cover all of the research; development; operations; salaries and related expenses; and other general and administrative activities required to execute the programs. Costs include labor, travel, procurement, test, and fabrication costs. Performance goals associated with these activities are addressed in NASA's detailed budget request.

Object Classification (in millions of dollars)

Identification code 080–0126–0–1–402		2014 actual	2015 est.	2016 est.
Direct obligations:				
Personnel compensation:				
11.1	Full-time permanent	143	145	151
11.3	Other than full-time permanent	3	3	4
11.9	Total personnel compensation	146	148	155
12.1	Civilian personnel benefits	41	50	40
21.0	Travel and transportation of persons	5	7	5
22.0	Transportation of things	1	1	1
23.3	Communications, utilities, and miscellaneous charges	2	3	2
25.1	Advisory and assistance services	9	11	9
25.2	Other services from non-Federal sources	25	30	22
25.3	Other goods and services from Federal sources	6	8	6
25.4	Operation and maintenance of facilities	28	33	28
25.5	Research and development contracts	196	233	196
25.7	Operation and maintenance of equipment	31	36	29
26.0	Supplies and materials	11	14	11
31.0	Equipment	27	31	24
32.0	Land and structures	1	2	1
41.0	Grants, subsidies, and contributions	37	44	42
99.9	Total new obligations	566	651	571

Employment Summary

Identification code 080–0126–0–1–402		2014 actual	2015 est.	2016 est.
1001	Direct civilian full-time equivalent employment	1,284	1,247	1,248

SPACE TECHNOLOGY

For necessary expenses, not otherwise provided for, in the conduct and support of space *technology* 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 sections 5901 and 5902 of title 5, United States Code; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, [\$596,000,000] \$724,800,000, to remain available until September 30, [2016] 2017. (*Science Appropriations Act, 2015.*)

Program and Financing (in millions of dollars)

Identification code 080–0131–0–1–252		2014 actual	2015 est.	2016 est.
Obligations by program activity:				
0001	Space Technology (Direct)	579	596	725
Budgetary resources:				
Unobligated balance:				
1000	Unobligated balance brought forward, Oct 1	11	21	21
1021	Recoveries of prior year unpaid obligations	13
1050	Unobligated balance (total)	24	21	21
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation	576	596	725
1160	Appropriation, discretionary (total)	576	596	725
1930	Total budgetary resources available	600	617	746
Memorandum (non-add) entries:				
1941	Unexpired unobligated balance, end of year	21	21	21
Change in obligated balance:				
Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1	357	345	464
3010	Obligations incurred, unexpired accounts	579	596	725
3020	Outlays (gross)	–577	–477	–638
3040	Recoveries of prior year unpaid obligations, unexpired	–13
3041	Recoveries of prior year unpaid obligations, expired	–1
3050	Unpaid obligations, end of year	345	464	551
Memorandum (non-add) entries:				
3100	Obligated balance, start of year	357	345	464
3200	Obligated balance, end of year	345	464	551
Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	576	596	725
Outlays, gross:				
4010	Outlays from new discretionary authority	277	209	254
4011	Outlays from discretionary balances	300	268	384
4020	Outlays, gross (total)	577	477	638
4180	Budget authority, net (total)	576	596	725
4190	Outlays, net (total)	577	477	638

This appropriation provides for the full costs associated with program activities under the NASA Space Technology Mission Directorate which conducts research and development in space technologies serving multiple customers within NASA, private industry, academia, and other government agencies. 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, and those associated with fabrication, tests and flight demonstrations. The Space Technology appropriation also supports the operations of the NASA Office of the Chief Technologist.

The programs within Space Technology enable new missions by drawing on talent from the NASA workforce, academia, small businesses and the

broader space enterprise to deliver innovative solutions that dramatically improve technological capabilities for NASA and the Nation. The appropriation funds several programs, including Agency Technology and Innovation, Small Business Innovative Research (SBIR), Small Business Technology Transfer (STTR), Space Technology Research and Development. Performance goals associated with these activities are addressed in NASA's detailed budget request.

Object Classification (in millions of dollars)

Identification code 080-0131-0-1-252	2014 actual	2015 est.	2016 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	94	91	87
11.3 Other than full-time permanent	1	1	1
11.9 Total personnel compensation	95	92	88
12.1 Civilian personnel benefits	28	27	25
21.0 Travel and transportation of persons	5	5	7
22.0 Transportation of things	2	2	2
25.1 Advisory and assistance services	22	23	32
25.2 Other services from non-Federal sources	29	31	39
25.3 Other goods and services from Federal sources	9	9	12
25.4 Operation and maintenance of facilities	2	2	3
25.5 Research and development contracts	344	360	455
25.7 Operation and maintenance of equipment	6	6	10
26.0 Supplies and materials	3	3	4
31.0 Equipment	2	2	3
41.0 Grants, subsidies, and contributions	32	34	45
99.9 Total new obligations	579	596	725

Employment Summary

Identification code 080-0131-0-1-252	2014 actual	2015 est.	2016 est.
1001 Direct civilian full-time equivalent employment	837	784	715

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 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 sections 5901 and 5902 of title 5, United States Code; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, **[\$4,356,700,000]** \$4,504,400,000, to remain available until September 30, **[2016: Provided, That not less than \$1,194,000,000 shall be for the Orion Multi-Purpose Crew Vehicle: Provided further, That not less than \$2,051,300,000 shall be for the Space Launch System, which shall have a lift capability not less than 130 metric tons and which shall have an upper stage and other core elements developed simultaneously: Provided further, That of the funds made available for the Space Launch System, \$1,700,000,000 shall be for launch vehicle development and \$351,300,000 shall be for exploration ground systems: Provided further, That the National Aeronautics and Space Administration (NASA) shall provide to the Committees on Appropriations of the House of Representatives and the Senate, concurrent with the annual budget submission, a 5 year budget profile and funding projection that adheres to a 70 percent Joint Confidence Level (JCL) and is consistent with the Key Decision Point C (KDP-C) for the Space Launch System and with the future KDP-C for the Orion Multi-Purpose Crew Vehicle: Provided further, That in complying with the preceding proviso NASA shall include budget profiles and funding projections that conform to the KDP-C management agreement for development completion of the Space Launch System by December 2017, and the management agreement for the Orion Multi-Purpose Crew Vehicle upon completing KDP-C: Provided further, That in no case shall the JCL of the Space Launch System or the Orion Multi-Purpose Crew Vehicle be less than the guidance outlined in NASA Procedural Requirements 7120.5E: Provided further, That funds made available for the Orion Multi-Purpose Crew Vehicle and Space Launch System are in addition to funds provided for these programs under the "Construction and Environmental Compliance and Restoration" heading: Provided further, That \$805,000,000 shall be for commercial spaceflight activities: Provided further, That \$306,400,000 shall be for exploration research and development]** 2017. (Science Appropriations Act, 2015.)

Program and Financing (in millions of dollars)

Identification code 080-0124-0-1-252	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Exploration (Direct)	4,078	4,357	4,504
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	33	104	104
1021 Recoveries of prior year unpaid obligations	38		
1050 Unobligated balance (total)	71	104	104
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	4,113	4,357	4,504
1160 Appropriation, discretionary (total)	4,113	4,357	4,504
1900 Budget authority (total)	4,113	4,357	4,504
1930 Total budgetary resources available	4,184	4,461	4,608
Memorandum (non-add) entries:			
1940 Unobligated balance expiring	-2		
1941 Unexpired unobligated balance, end of year	104	104	104
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1,670	1,923	2,045
3010 Obligations incurred, unexpired accounts	4,078	4,357	4,504
3011 Obligations incurred, expired accounts	20		
3020 Outlays (gross)	-3,799	-4,235	-4,433
3040 Recoveries of prior year unpaid obligations, unexpired	-38		
3041 Recoveries of prior year unpaid obligations, expired	-8		
3050 Unpaid obligations, end of year	1,923	2,045	2,116
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1,670	1,923	2,045
3200 Obligated balance, end of year	1,923	2,045	2,116
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	4,113	4,357	4,504
Outlays, gross:			
4010 Outlays from new discretionary authority	2,168	2,614	2,702
4011 Outlays from discretionary balances	1,631	1,621	1,731
4020 Outlays, gross (total)	3,799	4,235	4,433
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4033 Non-Federal sources	-2		
Additional offsets against gross budget authority only:			
4052 Offsetting collections credited to expired accounts	2		
4070 Budget authority, net (discretionary)	4,113	4,357	4,504
4080 Outlays, net (discretionary)	3,797	4,235	4,433
4180 Budget authority, net (total)	4,113	4,357	4,504
4190 Outlays, net (total)	3,797	4,235	4,433

This appropriation provides for costs associated with NASA's development of systems and capabilities required for human exploration of space, including U.S. crew access to the International Space Station. The systems and capabilities include launch and crew vehicles for missions beyond low Earth orbit, an affordable, competitive commercial crew capability that offers access to the Space Station, technologies and countermeasures to keep astronauts healthy and functional during deep space missions, and technologies to reduce launch mass and the cost of deep space missions. The full costs provide for 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. Performance goals associated with these activities are addressed in NASA's detailed budget request.

NASA's human space exploration programs include Space Launch System, Orion, Exploration Ground Systems, Commercial Crew, Advanced Exploration Systems, and Human Research. The programs are managed by NASA's Human Exploration and Operations Mission Directorate, which also manages programs in the Space Operations account.

EXPLORATION—Continued
Object Classification (in millions of dollars)

Identification code 080-0124-0-1-252	2014 actual	2015 est.	2016 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	344	356	364
11.3 Other than full-time permanent	3	3	3
11.5 Other personnel compensation	1	2	2
11.8 Special personal services payments		1	1
11.9 Total personnel compensation	348	362	370
12.1 Civilian personnel benefits	103	106	114
21.0 Travel and transportation of persons	15	16	17
22.0 Transportation of things	7	7	8
23.3 Communications, utilities, and miscellaneous charges	3	3	3
25.1 Advisory and assistance services	274	313	304
25.2 Other services from non-Federal sources	36	39	40
25.3 Other goods and services from Federal sources	44	47	54
25.4 Operation and maintenance of facilities	104	111	115
25.5 Research and development contracts	2,871	3,061	3,167
25.7 Operation and maintenance of equipment	98	105	119
26.0 Supplies and materials	21	21	23
31.0 Equipment	57	61	63
32.0 Land and structures	30	33	33
41.0 Grants, subsidies, and contributions	67	72	74
99.9 Total new obligations	4,078	4,357	4,504

Employment Summary

Identification code 080-0124-0-1-252	2014 actual	2015 est.	2016 est.
1001 Direct civilian full-time equivalent employment	3,025	3,016	2,950

EDUCATION

For necessary expenses, not otherwise provided for, in the conduct and support of aerospace and aeronautical education research and development activities, including research, development, operations, support, and services; program management; personnel and related costs, including uniforms or allowances therefor, as authorized by sections 5901 and 5902 of title 5, United States Code; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, **[\$119,000,000] \$88,900,000**, to remain available until September 30, **[2016, of which \$18,000,000 shall be for the Experimental Program to Stimulate Competitive Research and \$40,000,000 shall be for the National Space Grant College program] 2017. (Science Appropriations Act, 2015.)**

Program and Financing (in millions of dollars)

Identification code 080-0128-0-1-252	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Education (Direct)	109	119	89
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	15	26	26
1021 Recoveries of prior year unpaid obligations	3		
1050 Unobligated balance (total)	18	26	26
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	117	119	89
1160 Appropriation, discretionary (total)	117	119	89
1930 Total budgetary resources available	135	145	115
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	26	26	26
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	164	157	114
3010 Obligations incurred, unexpired accounts	109	119	89
3020 Outlays (gross)	-111	-162	-96
3040 Recoveries of prior year unpaid obligations, unexpired	-3		
3041 Recoveries of prior year unpaid obligations, expired	-2		
3050 Unpaid obligations, end of year	157	114	107

Memorandum (non-add) entries:

3100 Obligated balance, start of year	164	157	114
3200 Obligated balance, end of year	157	114	107

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	117	119	89
Outlays, gross:			
4010 Outlays from new discretionary authority	21	25	19
4011 Outlays from discretionary balances	90	137	77
4020 Outlays, gross (total)	111	162	96
4180 Budget authority, net (total)	117	119	89
4190 Outlays, net (total)	111	162	96

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. Performance goals associated with these activities are addressed in NASA's detailed budget request.

The Budget continues NASA's efforts to consolidate its education efforts into a more focused portfolio funded through the Office of Education. Additionally, the Budget provides \$20 million to NASA's Science Mission Directorate to fund the best application of NASA Science assets to meet the Nation's STEM education goals. NASA will continue to work closely with other agencies and stakeholders to reach a wider group of students and teachers and to support key areas identified by the Federal STEM Education 5-Year Strategic Plan.

NASA's Education appropriation funds a portfolio of activities that provides opportunities to a diverse audience of educators and learners, including women, minorities, and persons with disabilities. NASA will continue to improve STEM education through an internal competitive process that invests in NASA's most effective education programs. NASA's investments will include support for Minority Serving Institutions and community colleges, which generally serve a high proportion of minority students, preparing them for study at a four-year institution.

Object Classification (in millions of dollars)

Identification code 080-0128-0-1-252	2014 actual	2015 est.	2016 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	5	6	7
11.8 Special personal services payments		1	1
11.9 Total personnel compensation	5	7	8
12.1 Civilian personnel benefits	2	2	2
25.1 Advisory and assistance services	6	7	5
25.2 Other services from non-Federal sources	8	9	7
25.5 Research and development contracts	7	8	6
25.7 Operation and maintenance of equipment	4	4	3
41.0 Grants, subsidies, and contributions	77	82	58
99.9 Total new obligations	109	119	89

Employment Summary

Identification code 080-0128-0-1-252	2014 actual	2015 est.	2016 est.
1001 Direct civilian full-time equivalent employment	50	60	60

SAFETY, SECURITY AND MISSION SERVICES

For necessary expenses, not otherwise provided for, in the conduct and support of science, aeronautics, space technology, 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 sections 5901 and 5902 of title 5, United States Code; travel expenses; purchase and hire of passenger motor vehicles; not to exceed \$63,000 for official reception and representation expenses; and purchase, lease, charter, maintenance, and operation of mission and administrative aircraft, [\$2,758,900,000] \$2,843,100,000, to remain available until September 30, [2016] 2017: *Provided, That \$12,700,000 will be used to support the National Aeronautics and Space Administration's (NASA's) activities related to implementation of the Digital Accountability and Transparency Act (DATA Act; Public Law 113–101; 31 U.S.C. 6101 note), to include changes in business processes, workforce, or information technology to support high quality, transparent Federal spending information, of which \$9,700,000 shall be available to support NASA's implementation of a uniform procurement instrument identifier as described in 48 C.F.R. subpart 4.16: Provided further, That the amounts in the first proviso are available only to supplement and not supplant existing DATA Act activities. (Science Appropriations Act, 2015.)*

Program and Financing (in millions of dollars)

Identification code 080–0122–0–1–252	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Cross Agency Support (Direct)	2,802	2,759	2,843
0801 Cross Agency Support (Reimbursable)	2,168	2,587	2,259
0900 Total new obligations	4,970	5,346	5,102
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	281	210	293
1021 Recoveries of prior year unpaid obligations	26		
1050 Unobligated balance (total)	307	210	293
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	2,793	2,759	2,843
1160 Appropriation, discretionary (total)	2,793	2,759	2,843
Spending authority from offsetting collections, discretionary:			
1700 Collected	2,061	2,670	2,670
1701 Change in uncollected payments, Federal sources	20		
1750 Spending auth from offsetting collections, disc (total)	2,081	2,670	2,670
1900 Budget authority (total)	4,874	5,429	5,513
1930 Total budgetary resources available	5,181	5,639	5,806
Memorandum (non-add) entries:			
1940 Unobligated balance expiring	–1		
1941 Unexpired unobligated balance, end of year	210	293	704
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1,816	1,821	1,752
3010 Obligations incurred, unexpired accounts	4,970	5,346	5,102
3011 Obligations incurred, expired accounts	12		
3020 Outlays (gross)	–4,939	–5,415	–5,625
3040 Recoveries of prior year unpaid obligations, unexpired	–26		
3041 Recoveries of prior year unpaid obligations, expired	–12		
3050 Unpaid obligations, end of year	1,821	1,752	1,229
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	–1,048	–988	–988
3070 Change in uncollected pymts, Fed sources, unexpired	–20		
3071 Change in uncollected pymts, Fed sources, expired	80		
3090 Uncollected pymts, Fed sources, end of year	–988	–988	–988
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	768	833	764
3200 Obligated balance, end of year	833	764	241
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	4,874	5,429	5,513
Outlays, gross:			
4010 Outlays from new discretionary authority	3,170	4,343	4,410
4011 Outlays from discretionary balances	1,769	1,072	1,215
4020 Outlays, gross (total)	4,939	5,415	5,625
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	–1,954	–2,427	–2,427
4033 Non-Federal sources	–189	–243	–243
4040 Offsets against gross budget authority and outlays (total)	–2,143	–2,670	–2,670
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	–20		
4052 Offsetting collections credited to expired accounts	82		

4060 Additional offsets against budget authority only (total)	62		
4070 Budget authority, net (discretionary)	2,793	2,759	2,843
4080 Outlays, net (discretionary)	2,796	2,745	2,955
4180 Budget authority, net (total)	2,793	2,759	2,843
4190 Outlays, net (total)	2,796	2,745	2,955

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

Security, and Mission Services 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 080–0122–0–1–252	2014 actual	2015 est.	2016 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	864	916	955
11.3 Other than full-time permanent	20	2	21
11.5 Other personnel compensation	26	27	28
11.9 Total personnel compensation	910	945	1,004
12.1 Civilian personnel benefits	252	211	257
13.0 Benefits for former personnel	2	2	3
21.0 Travel and transportation of persons	20	2	21
22.0 Transportation of things	4	4	4
23.1 Rental payments to GSA	35	34	36
23.2 Rental payments to others	3	3	3
23.3 Communications, utilities, and miscellaneous charges	67	66	64
24.0 Printing and reproduction	4	4	4
25.1 Advisory and assistance services	217	212	213
25.2 Other services from non-Federal sources	280	274	257
25.3 Other goods and services from Federal sources	45	44	41
25.4 Operation and maintenance of facilities	254	248	241
25.5 Research and development contracts	180	176	180
25.6 Medical care	6	6	6
25.7 Operation and maintenance of equipment	420	432	410
26.0 Supplies and materials	18	18	18
31.0 Equipment	36	35	32
32.0 Land and structures	30	25	31
41.0 Grants, subsidies, and contributions	18	18	18
99.0 Direct obligations	2,801	2,759	2,843
99.0 Reimbursable obligations	2,169	2,587	2,259
99.9 Total new obligations	4,970	5,346	5,102

Employment Summary

Identification code 080–0122–0–1–252	2014 actual	2015 est.	2016 est.
1001 Direct civilian full-time equivalent employment	7,670	7,793	7,788
2001 Reimbursable civilian full-time equivalent employment	443	332	332

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, **[\$419,100,000] \$465,300,000**, to remain available until September 30, **[2020] 2021: Provided**, **[That of the \$429,100,000 provided for in direct obligations under this heading, \$419,100,000 is appropriated from the general fund and \$10,000,000 is provided from recoveries of prior year obligations: Provided further,]** That, *notwithstanding section 20145(b)(2)(A) of title 51, United States Code*, proceeds from leases deposited into this account shall be available for a period of 5 years **[to the extent and in amounts as provided in annual appropriations Acts: Provided further,** That such proceeds referred to in the preceding proviso shall be available for obligation for fiscal year 2015 in an amount not to exceed **\$9,584,100]**: *Provided further*, That each annual budget request shall include an annual estimate of gross receipts and collections and proposed use of all funds collected pursuant to section 20145 of title 51, United States Code. (*Science Appropriations Act, 2015.*)

Program and Financing (in millions of dollars)

Identification code 080–0130–0–1–252	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Construction and Environmental Compliance and Restoration (Direct)	587	413	465
0801 Construction and Environmental Compliance and Restoration (Reimbursable)	7	6	6
0900 Total new obligations	594	419	471
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	247	202	207
1021 Recoveries of prior year unpaid obligations	20		
1050 Unobligated balance (total)	267	202	207
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	515	419	465
1121 Appropriations transferred from other accts Space Operations [080–0115]	4		
1121 Appropriations transferred from other accts Science [080–0120]	3		
1160 Appropriation, discretionary (total)	522	419	465
Spending authority from offsetting collections, discretionary:			
1700 Collected	7	5	5
1750 Spending auth from offsetting collections, disc (total)	7	5	5
1900 Budget authority (total)	529	424	470
1930 Total budgetary resources available	796	626	677
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	202	207	206
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	723	803	650
3010 Obligations incurred, unexpired accounts	594	419	471
3020 Outlays (gross)	–494	–572	–499
3040 Recoveries of prior year unpaid obligations, unexpired	–20		
3050 Unpaid obligations, end of year	803	650	622
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	723	803	650
3200 Obligated balance, end of year	803	650	622
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	529	424	470
Outlays, gross:			
4010 Outlays from new discretionary authority	33	64	71
4011 Outlays from discretionary balances	461	508	428
4020 Outlays, gross (total)	494	572	499
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4033 Non-Federal sources	–7	–5	–5
4180 Budget authority, net (total)	522	419	465
4190 Outlays, net (total)	487	567	494

This appropriation provides for NASA's construction and environmental compliance and restoration activities, and allows the agency to use the net

proceeds from Enhanced Use Leases for maintenance, capital revitalization, and improvement of real property assets and related personal property at NASA Centers under the authority of section 20145 of the National Aeronautics and Space Act (51 U.S.C. 20145). The 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.

Object Classification (in millions of dollars)

Identification code 080–0130–0–1–252	2014 actual	2015 est.	2016 est.
Direct obligations:			
23.3 Communications, utilities, and miscellaneous charges	1	1	1
25.1 Advisory and assistance services	27	19	21
25.2 Other services from non-Federal sources	54	38	43
25.3 Other goods and services from Federal sources	23	16	18
25.4 Operation and maintenance of facilities	52	37	41
25.5 Research and development contracts	25	18	20
25.6 Medical care	1	1	1
25.7 Operation and maintenance of equipment	2	1	2
32.0 Land and structures	402	282	318
99.0 Direct obligations	587	413	465
99.0 Reimbursable obligations	7	6	6
99.9 Total new obligations	594	419	471

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; space flight, spacecraft control and communications activities, including operations, production, and services; maintenance and repair, facility planning and design; program management; personnel and related costs, including uniforms or allowances therefor, as authorized by sections 5901 and 5902 of title 5, United States Code; travel expenses; purchase and hire of passenger motor vehicles; and purchase, lease, charter, maintenance and operation of mission and administrative aircraft, **[\$3,827,800,000] \$4,005,200,000**, to remain available until September 30, **[2016] 2017**. (*Science Appropriations Act, 2015.*)

Program and Financing (in millions of dollars)

Identification code 080–0115–0–1–252	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Space Operations (Direct)	3,852	3,828	4,005
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	116	134	136
1021 Recoveries of prior year unpaid obligations	97		
1050 Unobligated balance (total)	213	134	136
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	3,778	3,828	4,005
1120 Appropriations transferred to other accts CECR [080–0130]	–4		
1160 Appropriation, discretionary (total)	3,774	3,828	4,005
Appropriations, mandatory:			
1221 Appropriations transferred from other acct [011–5512]		2	
1260 Appropriations, mandatory (total)		2	
Spending authority from offsetting collections, discretionary:			
1700 Collected	1		
1750 Spending auth from offsetting collections, disc (total)	1		
1900 Budget authority (total)	3,775	3,830	4,005
1930 Total budgetary resources available	3,988	3,964	4,141
Memorandum (non-add) entries:			
1940 Unobligated balance expiring	–2		
1941 Unexpired unobligated balance, end of year	134	136	136
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1,604	1,490	1,224
3010 Obligations incurred, unexpired accounts	3,852	3,828	4,005
3011 Obligations incurred, expired accounts	26		

3020	Outlays (gross)	-3,878	-4,094	-4,215
3040	Recoveries of prior year unpaid obligations, unexpired	-97		
3041	Recoveries of prior year unpaid obligations, expired	-17		
3050	Unpaid obligations, end of year	1,490	1,224	1,014
	Memorandum (non-add) entries:			
3100	Obligated balance, start of year	1,604	1,490	1,224
3200	Obligated balance, end of year	1,490	1,224	1,014

Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	3,775	3,828	4,005
	Outlays, gross:			
4010	Outlays from new discretionary authority	2,364	2,870	3,003
4011	Outlays from discretionary balances	1,514	1,222	1,212
4020	Outlays, gross (total)	3,878	4,092	4,215
	Offsets against gross budget authority and outlays:			
	Offsetting collections (collected) from:			
4033	Non-Federal sources	-16		
	Additional offsets against gross budget authority only:			
4052	Offsetting collections credited to expired accounts	15		
4070	Budget authority, net (discretionary)	3,774	3,828	4,005
4080	Outlays, net (discretionary)	3,862	4,092	4,215
Mandatory:				
4090	Budget authority, gross		2	
	Outlays, gross:			
4100	Outlays from new mandatory authority		2	
4180	Budget authority, net (total)	3,774	3,830	4,005
4190	Outlays, net (total)	3,862	4,094	4,215

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; and other general and administrative activities supporting the programs within this account. Major themes within the Space Operations account include the International Space Station and Space and Flight Support. Performance goals associated with these activities are addressed in NASA's detailed budget request.

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 International 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 the multi-user 21st Century Space Launch Complex. They are provided to a wide range of customers including NASA, other U.S. Federal agencies, foreign governments, and commercial customers. The programs are managed by NASA's Human Exploration and Operations Mission Directorate, which also manages programs in the Exploration account.

Object Classification (in millions of dollars)

Identification code 080-0115-0-1-252	2014 actual	2015 est.	2016 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	248	258	263
11.3 Other than full-time permanent	3	3	3
11.5 Other personnel compensation	1	2	2
11.9 Total personnel compensation	252	263	268
12.1 Civilian personnel benefits	73	76	77
21.0 Travel and transportation of persons	11	11	11
22.0 Transportation of things	1,168	1,141	1,212
23.2 Rental payments to others	2	2	2
23.3 Communications, utilities, and miscellaneous charges	3	3	3
24.0 Printing and reproduction	1	1	1
25.1 Advisory and assistance services	70	71	73
25.2 Other services from non-Federal sources	94	95	98
25.3 Other goods and services from Federal sources	25	25	26
25.4 Operation and maintenance of facilities	48	49	50
25.5 Research and development contracts	1,781	1,769	1,848

25.7	Operation and maintenance of equipment	268	271	278
26.0	Supplies and materials	16	16	17
31.0	Equipment	15	16	16
32.0	Land and structures	6		6
41.0	Grants, subsidies, and contributions	19	19	19
99.9	Total new obligations	3,852	3,828	4,005

Employment Summary

Identification code 080-0115-0-1-252	2014 actual	2015 est.	2016 est.
1001 Direct civilian full-time equivalent employment	2,134	2,127	2,081

OFFICE OF INSPECTOR GENERAL

For necessary expenses of the Office of Inspector General in carrying out the Inspector General Act of 1978, **[\$37,000,000]** \$37,400,000, of which \$500,000 shall remain available until September 30, **[2016]** 2017. (Science Appropriations Act, 2015.)

Program and Financing (in millions of dollars)

Identification code 080-0109-0-1-252	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Office of Inspector General (Direct)	38	37	36
0801 Office of Inspector General (Reimbursable)		1	1
0900 Total new obligations	38	38	37
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1		1	1
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	38	37	37
1160 Appropriation, discretionary (total)	38	37	37
Spending authority from offsetting collections, discretionary:			
1700 Collected	1	1	1
1750 Spending auth from offsetting collections, disc (total)	1	1	1
1900 Budget authority (total)	39	38	38
1930 Total budgetary resources available	39	39	39
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	1	1	2
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	4	4	
3010 Obligations incurred, unexpired accounts	38	38	37
3020 Outlays (gross)	-38	-42	-37
3050 Unpaid obligations, end of year	4		
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	4	4	
3200 Obligated balance, end of year	4		

Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	39	38	38
	Outlays, gross:			
4010	Outlays from new discretionary authority	34	38	35
4011	Outlays from discretionary balances	4	4	2
4020	Outlays, gross (total)	38	42	37
	Offsets against gross budget authority and outlays:			
	Offsetting collections (collected) from:			
4030	Federal sources	-1	-1	-1
4180	Budget authority, net (total)	38	37	37
4190	Outlays, net (total)	37	41	36

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 to prevent and detect fraud, waste, abuse, and mismanagement. The Inspector General keeps the Administrator and the Congress informed of problems and deficiencies in agency programs and operations.

OFFICE OF INSPECTOR GENERAL—Continued

Object Classification (in millions of dollars)

Identification code 080–0109–0–1–252	2014 actual	2015 est.	2016 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent	22	22	21
12.1 Civilian personnel benefits	8	8	8
21.0 Travel and transportation of persons	1	1	1
25.2 Other services from non-Federal sources	4	3	3
25.3 Other goods and services from Federal sources	1	1	1
25.4 Operation and maintenance of facilities	1		
99.0 Direct obligations	37	35	34
99.0 Reimbursable obligations	1	1	1
99.5 Below reporting threshold		2	2
99.9 Total new obligations	38	38	37

Employment Summary

Identification code 080–0109–0–1–252	2014 actual	2015 est.	2016 est.
1001 Direct civilian full-time equivalent employment	189	206	206
2001 Reimbursable civilian full-time equivalent employment	7	7	7

SCIENCE, AERONAUTICS, AND EXPLORATION

Program and Financing (in millions of dollars)

Identification code 080–0114–0–1–999	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Science, Aeronautics, and Exploration (Direct)		1	
0900 Total new obligations (object class 32.0)		1	
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	2	2	1
1930 Total budgetary resources available	2	2	1
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	2	1	1
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	21	1	
3010 Obligations incurred, unexpired accounts		1	
3011 Obligations incurred, expired accounts	3		
3020 Outlays (gross)	–8	–2	
3041 Recoveries of prior year unpaid obligations, expired	–15		
3050 Unpaid obligations, end of year	1		
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	–2		
3071 Change in uncollected pymts, Fed sources, expired	2		
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	19	1	
3200 Obligated balance, end of year	1		
Budget authority and outlays, net:			
Discretionary:			
Outlays, gross:			
4011 Outlays from discretionary balances	8	2	
4190 Outlays, net (total)	8	2	

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.

HUMAN SPACE FLIGHT

Program and Financing (in millions of dollars)

Identification code 080–0111–0–1–252	2014 actual	2015 est.	2016 est.
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	3	8	
3011 Obligations incurred, expired accounts	6		
3020 Outlays (gross)		–8	
3041 Recoveries of prior year unpaid obligations, expired	–1		
3050 Unpaid obligations, end of year	8		
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	3	8	
3200 Obligated balance, end of year	8		
Budget authority and outlays, net:			
Discretionary:			
Outlays, gross:			
4011 Outlays from discretionary balances		8	
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4033 Non-Federal sources	–6		
Additional offsets against gross budget authority only:			
4052 Offsetting collections credited to expired accounts	6		
4080 Outlays, net (discretionary)	–6	8	
4190 Outlays, net (total)	–6	8	

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 080–0110–0–1–999	2014 actual	2015 est.	2016 est.
Budgetary resources:			
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
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1	1	1
3050 Unpaid obligations, end of year	1	1	1
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1	1	1
3200 Obligated balance, end of year	1	1	1

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 080-0112-0-1-999	2014 actual	2015 est.	2016 est.
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1	1	1
3050 Unpaid obligations, end of year	1	1	1
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1	1	1
3200 Obligated balance, end of year	1	1	1

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 080-4546-0-4-252	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0801 Working Capital Fund (Reimbursable)	384	453	433
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	7	11	11
1021 Recoveries of prior year unpaid obligations	1		
1050 Unobligated balance (total)	8	11	11
Budget authority:			
Spending authority from offsetting collections, discretionary:			
1700 Collected	387	453	453
1750 Spending auth from offsetting collections, disc (total)	387	453	453
1930 Total budgetary resources available	395	464	464
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	11	11	31
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	140	141	114
3010 Obligations incurred, unexpired accounts	384	453	433
3020 Outlays (gross)	-382	-480	-461
3040 Recoveries of prior year unpaid obligations, unexpired	-1		
3050 Unpaid obligations, end of year	141	114	86
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	140	141	114
3200 Obligated balance, end of year	141	114	86
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	387	453	453
Outlays, gross:			
4010 Outlays from new discretionary authority	241	385	385
4011 Outlays from discretionary balances	141	95	76
4020 Outlays, gross (total)	382	480	461
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	-379	-443	-443
4033 Reimbursable program	-8	-10	-10
4040 Offsets against gross budget authority and outlays (total)	-387	-453	-453
4080 Outlays, net (discretionary)	-5	27	8
4190 Outlays, net (total)	-5	27	8

The Working Capital Fund provides goods and services on a reimbursable basis. The Fund consists of three program activities: The Solutions for Enterprise-wide Procurement program finances, on an agency-wide basis, scientific and engineering workstation procurement. The Information

Technology Infrastructure Integration Program consolidates and centralizes management of NASA information technology services in the areas of Tier 1 service desk and ordering, web services and technologies, enterprise business and management applications, integrated network/communications services, end user services, and data center services. This program initiated operations in early FY 2012. The NASA Shared Services Center performs selected financial management, human resources, information technology, and procurement services for NASA Headquarters and Centers.

Object Classification (in millions of dollars)

Identification code 080-4546-0-4-252	2014 actual	2015 est.	2016 est.
Reimbursable obligations:			
11.1 Personnel compensation: Full-time permanent	13	13	13
12.1 Civilian personnel benefits	4	4	4
21.0 Travel and transportation of persons	1	1	1
25.2 Other services from non-Federal sources	54	69	67
25.4 Operation and maintenance of facilities	4	5	5
25.7 Operation and maintenance of equipment	308	361	343
99.9 Total new obligations	384	453	433

Employment Summary

Identification code 080-4546-0-4-252	2014 actual	2015 est.	2016 est.
2001 Reimbursable civilian full-time equivalent employment	140	138	138

Trust Funds

SCIENCE, SPACE, AND TECHNOLOGY EDUCATION TRUST FUND

Special and Trust Fund Receipts (in millions of dollars)

Identification code 080-8978-0-7-503	2014 actual	2015 est.	2016 est.
0100 Balance, start of year	15	15	15
Receipts:			
0240 Earnings on Investments, Science, Space and Technology Education Trust Fund	1	1	1
0400 Total: Balances and collections	16	16	16
Appropriations:			
0500 Science, Space, and Technology Education Trust Fund	-1	-1	-1
0799 Balance, end of year	15	15	15

Program and Financing (in millions of dollars)

Identification code 080-8978-0-7-503	2014 actual	2015 est.	2016 est.
Obligations by program activity:			
0001 Science, Space, and Technology Education Trust Fund (Direct)	1	1	1
0900 Total new obligations (object class 41.0)	1	1	1
Budgetary resources:			
Budget authority:			
Appropriations, mandatory:			
1201 Appropriation (special or trust fund)	1	1	1
1260 Appropriations, mandatory (total)	1	1	1
1930 Total budgetary resources available	1	1	1
Change in obligated balance:			
Unpaid obligations:			
3010 Obligations incurred, unexpired accounts	1	1	1
3020 Outlays (gross)	-1	-1	-1
Budget authority and outlays, net:			
Mandatory:			
4090 Budget authority, gross	1	1	1
Outlays, gross:			
4100 Outlays from new mandatory authority	1	1	1
4101 Outlays from mandatory balances	1		
4110 Outlays, gross (total)	1	1	1
4180 Budget authority, net (total)	1	1	1

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

Identification code 080-8978-0-7-503	2014 actual	2015 est.	2016 est.
4190 Outlays, net (total)	1	1	1
Memorandum (non-add) entries:			
5000 Total investments, SOY: Federal securities: Par value	15	16	17
5001 Total investments, EOY: Federal securities: Par value	16	17	14

NATIONAL SPACE GRANT PROGRAM

Program and Financing (in millions of dollars)

Identification code 080-8977-0-7-252	2014 actual	2015 est.	2016 est.
Budgetary resources:			
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
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1	1	1
3050 Unpaid obligations, end of year	1	1	1
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1	1	1
3200 Obligated balance, end of year	1	1	1

ADMINISTRATIVE PROVISIONS

(INCLUDING TRANSFER OF FUNDS)

Funds for any announced prize 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. *Any funds transferred to "Construction and Environmental Compliance and Restoration" for construction activities shall not increase that account by more than 20 percent.* Balances so transferred shall be merged with 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] 504 of this Act and shall not be available for obligation except in compliance with the procedures set forth in that section.

The spending plan required by this Act shall be provided by NASA at the theme, program, project and activity level. [The spending plan, as well as any subsequent change of an amount established in that spending plan that meets the notification requirements of section 505 of this Act, shall be treated as a reprogramming under section 505 of this Act and shall not be available for obligation or expenditure except in compliance with the procedures set forth in that section.] (*Science Appropriations Act, 2015.*)

(TRANSFER OF FUNDS)

The unexpired balances of a previous account, for activities for which funds are provided in this Act, may be transferred to the new account established in this Act that provides for such activities. Balances so transferred shall be merged with the funds in the newly established account, but shall be available under the same terms, conditions and period of time as previously appropriated. (*Science Appropriations Act, 2015.*)

GENERAL FUND RECEIPT ACCOUNTS

(in millions of dollars)

	2014 actual	2015 est.	2016 est.
Offsetting receipts from the public:			
080-322000 All Other General Fund Proprietary Receipts Including			
Budget Clearing Accounts	3	15	15
General Fund Offsetting receipts from the public	3	15	15
Intragovernmental payments:			
080-388500 Undistributed Intragovernmental Payments and			
Receivables from Cancelled Accounts	1
General Fund Intragovernmental payments	1