

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION FY 2017 SPENDING PLAN FOR
 APPROPRIATIONS PROVIDED BY P.L. 115-031

August 2017

(Budget Authority, \$ in millions)

	FY 2017 NASA Spending Plan
NASA	19,653.3
SCIENCE	5,762.2
Earth Science	1,907.7
<u>Earth Science Research</u>	462.0
Earth Science Research & Analysis.....	332.5
Computing & Management.....	129.5
<u>Earth Systematic Missions</u>	929.7
Ice, Cloud, and Land Elevation Satellite - 2.....	86.5
NASA/ISRO SAR (NISAR).....	101.4
GRACE FO.....	33.7
Surface Water and Ocean Topography.....	61.7
Other Missions and Data Analysis.....	646.4
<i>Pre-Aerosol, Clouds, and Ocean Ecosystem (PACE) (non-add).....</i>	52.8
<i>Landsat 9 (non-add).....</i>	198.7
<u>Earth Science Pathfinder</u>	208.8
Venture Class Missions.....	146.6
Other Missions and Data Analysis.....	62.3
<u>Earth Science Multi-Mission Operations</u>	204.9
<u>Earth Science Technology</u>	62.9
<u>Applied Sciences: Pathways</u>	39.4
Planetary Science	1,827.5
<u>Planetary Science Research</u>	290.1
Planetary Science Research & Analysis.....	178.1
Other Missions & Data Analysis.....	47.9
Directorate Management.....	4.1
Near Earth Object Observations.....	60.0
<i>AIDA-DART (non-add).....</i>	16.1
<u>Discovery</u>	213.6
InSight.....	32.3
Other Missions & Data Analysis.....	181.3
<u>New Frontiers</u>	134.0
OSIRIS-REx.....	39.5
Other Missions & Data Analysis.....	94.5
<u>Mars Exploration</u>	647.0
Mars Rover 2020.....	408.0
Other Missions & Data Analysis.....	239.0
<u>Outer Planets</u>	359.5
<i>Jupiter Europa (non-add).....</i>	275.0
<u>Technology</u>	183.3
<i>Icy Planets Technology (non-add).....</i>	25.0
<i>DOE Plutonium (non-add).....</i>	20.0

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<u>Undistributed reduction to fund STEM Activation</u>	-
Astrophysics	782.9
<u>Astrophysics Research</u>	190.1
Astrophysics Research & Analysis.....	73.5
Balloon Project.....	34.0
STEM Activation.....	37.0
Other Missions & Data Analysis.....	45.6
<u>Cosmic Origins</u>	210.0
Hubble Space Telescope.....	97.3
Stratospheric Observatory for Infrared Astronomy.....	85.2
Other Missions & Data Analysis.....	27.5
<u>Physics of the Cosmos: Other Missions & Data Analysis</u>	106.2
<u>Exoplanet Exploration</u>	152.6
WFIRST/AFTA (non-add).....	105.0
<u>Astrophysics Explorer</u>	124.1
Other Missions & Data Analysis.....	50.0
Transiting Exoplanet Survey Satellite (TESS).....	74.0
James Webb Space Telescope	569.4
Heliophysics	674.7
<u>Heliophysics Research</u>	180.8
Heliophysics Research & Analysis.....	39.4
Sounding Rockets.....	53.3
Research Range.....	24.3
Other Missions & Data Analysis.....	63.8
<u>Living With a Star</u>	368.4
Parker Solar Probe (formerly Solar Probe Plus).....	232.5
Solar Orbiter Collaboration.....	79.9
Other Missions & Data Analysis.....	56.0
<u>Solar Terrestrial Probes</u>	38.8
Other Missions & Data Analysis.....	38.8
<u>Heliophysics Explorer</u>	86.7
ICON.....	39.4
Other Missions & Data Analysis.....	47.3
AERONAUTICS	656.0
Aeronautics	656.0
<u>Airspace Operations and Safety Program</u>	140.6
<u>Advanced Air Vehicles Program</u>	274.6
<u>Integrated Aviation Systems Program</u>	125.0
<u>Transformative Aero Concepts Program</u>	115.8
SPACE TECHNOLOGY	686.5
Space Technology	686.5
<u>Agency Technology and Innovation</u>	31.9

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<u>SBIR & STTR</u>	199.0
<u>Space Technology & Research Development</u>	455.6
<i>Satellite Servicing/RESTORE-L (non-add)</i>	130.0
<i>Nuclear Propulsion (non-add)</i> ****	32.4
<i>Small Launch Capabilities (non-add)</i> ****	17.2
<i>Additive Manufacturing (non-add)</i> ****	21.7
<i>Optical Communications (non-add)</i>	25.7
<i>Solar Electric Propulsion (non-add)</i>	23.4
EXPLORATION	4,324.0
<u>Human Exploration Capabilities</u>	3,929.0
<u>Orion Multi-Purpose Crew Vehicle: Crew Vehicle Dev.</u>	1,330.0
<u>Space Launch System</u>	2,127.1
SLS Program Integration.....	62.4
Launch Vehicle Development.....	2,064.7
<i>Enhanced Upper Stage (EUS) development (non-add)</i>	300.0
<u>Exploration Ground Systems</u>	471.9
<u>Exploration Research & Development</u>	395.0
<u>Human Research Program</u>	140.0
<u>Advanced Exploration Systems</u>	255.0
<i>Habitation Augmentation (non-add)</i>	90.3
SPACE OPERATIONS	4,942.5
<u>Space Shuttle</u>	-
<u>International Space Station</u>	1,450.9
<u>International Space Station Program</u>	1,450.9
ISS Systems Operations & Maintenance.....	1,103.5
ISS Research.....	347.3
<u>Space Transportation</u>	2,589.0
<u>Crew and Cargo Program</u>	1,404.2
<i>Domestic Cargo resupply flight (non-add)</i>	1,028.0
<u>Commercial Crew Program</u>	1,184.8
<u>Space & Flight Support</u>	902.6
<u>21st Century Space Launch Complex</u>	20.0
<u>Space Communications & Navigation</u>	630.1
Space Communications Networks.....	546.9
Space Communications Support.....	83.2
<u>Human Space Flight Operations</u>	123.1
<u>Launch Services</u>	85.7
<u>Rocket Propulsion Test</u>	43.7
EDUCATION	100.0

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Education	100.0
<u>Aerospace Research & Career Development</u>	58.0
NASA Space Grant.....	40.9
EPSCoR.....	17.1
<u>STEM Education & Accountability</u>	42.0
Minority University Research Education Program.....	32.0
STEM Education & Accountability Projects.....	10.0
SAFETY, SECURITY AND MISSION SERVICES	2,768.6
<u>Center Management & Operations</u>	1,986.5
<u>Center Institutional Capabilities</u>	1,534.9
<u>Center Programmatic Capabilities</u>	451.6
<u>Agency Management & Operations</u>	782.1
<u>Agency Management</u>	359.2
<u>Safety & Mission Success</u>	176.3
Safety & Mission Assurance.....	49.6
Chief Engineer.....	83.4
Chief Health & Medical Officer.....	4.2
Independent Verification & Validation.....	39.1
<u>Agency IT Services</u>	219.8
IT Management.....	15.9
Applications.....	56.0
Infrastructure.....	147.9
<u>Strategic Capabilities Assets Program</u>	26.8
CONSTRUCTION & ENVIRONMENTAL COMPLIANCE & REST.	375.6
<u>Construction of Facilities (CoF)</u>	305.3
<u>Aeronautics CoF</u>	4.0
<u>Institutional CoF</u>	253.1
<u>Exploration CoF</u>	8.8
<u>Space Operations CoF</u>	36.7
<u>Science CoF</u>	2.7
<u>Environmental Compliance & Restoration</u>	70.3
OFFICE OF INSPECTOR GENERAL	37.9