

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION FY 2018 SPENDING PLAN
 APPROPRIATIONS PROVIDED BY P.L. 115-141
 July 2018
 (Budget Authority, \$ in millions)

	FY 2018 NASA Spending Plan
NASA	20,736.1
SCIENCE	6,211.5
Earth Science	1,921.0
<u>Earth Science Research</u>	461.6
Earth Science Research & Analysis.....	344.3
Computing & Management.....	117.4
<u>Earth Systematic Missions</u>	899.4
Ice, Cloud, and Land Elevation Satellite - 2.....	49.9
GRACE FO.....	5.7
Surface Water and Ocean Topography.....	105.9
NASA/ISRO SAR (NISAR).....	67.1
Sentinel-6.....	53.4
Landsat 9.....	175.8
Other Missions and Data Analysis.....	441.5
<i>Pre-Aerosol, Clouds, and Ocean Ecosystem (PACE) (non-add)</i>	110.0
<i>CLARREO Pathfinder (non-add)</i>	17.0
<i>Deep Space Observatory (non-add)</i>	1.7
<u>Earth Systems Science Pathfinder</u>	242.0
Venture Class Missions.....	179.2
Other Missions and Data Analysis.....	62.8
<i>Orbiting Carbon Observatory (OCO-3) (non-add)</i>	9.7
<u>Earth Science Multi-Mission Operations</u>	204.4
<u>Earth Science Technology</u>	60.4
<u>Applied Sciences</u>	53.2
Planetary Science	2,217.9
<u>Planetary Science Research</u>	315.6
Planetary Science Research & Analysis.....	197.9
Near Earth Object Observations.....	76.0
<i>DART (non-add)***</i>	41.0
Other Missions & Data Analysis.....	1.7

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<u>Discovery**</u>	280.3
InSight.....	74.3
Lucy.....	81.4
Psyche.....	42.0
Other Missions & Data Analysis.....	82.7
<i>Near Earth Object Camera (NEOcam) (non-add)**</i>	12.0
<u>New Frontiers**</u>	88.1
<u>Mars Exploration</u>	678.0
Mars Rover 2020.....	505.8
Other Missions & Data Analysis.....	172.2
<u>Outer Planets and Ocean Worlds</u>	641.2
Jupiter Europa.....	595.0
Other Missions & Data Analysis.....	46.2
<u>Technology</u>	214.7
<i>Icy Planets Surface Technology (non-add)</i>	35.0
<i>Plutonium (non-add)</i>	16.0
<i>Mars Helicopter Technology (non-add)</i>	23.0
Astrophysics	850.4
<u>Astrophysics Research</u>	203.1
Astrophysics Research & Analysis.....	74.1
Balloon Project.....	36.6
Science Activation.....	44.0
Other Missions & Data Analysis.....	48.5
<u>Cosmic Origins</u>	213.3
Hubble Space Telescope.....	98.3
Stratospheric Observatory for Infrared Astronomy.....	85.2
Other Missions & Data Analysis.....	29.8
<u>Physics of the Cosmos</u>	115.8
<u>Exoplanet Exploration</u>	200.8
<i>WFIRST/AFTA (non-add)</i>	150.0

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<u>Astrophysics Explorer</u>	117.4
Transiting Exoplanet Survey Satellite (TESS).....	33.5
Other Missions & Data Analysis.....	83.9
<i>Exoplanet Technology Development (non-add)***</i>	40.5
James Webb Space Telescope	533.7
Heliophysics	688.5
<u>Heliophysics Research</u>	206.3
Heliophysics Research & Analysis.....	54.5
Sounding Rockets.....	59.0
Research Range.....	24.8
Other Missions & Data Analysis.....	68.1
<u>Living With a Star</u>	376.1
Parker Solar Probe (formerly Solar Probe Plus).....	241.6
Solar Orbiter Collaboration.....	59.2
Other Missions & Data Analysis.....	75.3
<i>Space Weather Science Applications (non-add)</i>	15.0
<u>Solar Terrestrial Probes</u>	45.2
<u>Heliophysics Explorer</u>	60.9
ICON.....	19.0
Other Missions & Data Analysis.....	41.9
AERONAUTICS	690.0
Aeronautics	690.0
<u>Airspace Operations and Safety Program</u>	118.7
<u>Advanced Air Vehicles Program</u>	237.7
<u>Integrated Aviation Systems Program</u>	221.5
<i>Low Boom Flight Demonstrator (LBFD) (non-add)</i>	127.2
<u>Transformative Aero Concepts Program</u>	112.2
SPACE TECHNOLOGY	760.0
Space Technology	760.0
<u>Agency Technology and Innovation</u>	30.5

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<u>SBIR & STTR</u>	194.8
<u>Space Technology & Research Development</u>	534.7
<i>RESTORE-L (non-add)</i>	130.0
<i>Nuclear Propulsion (non-add)</i>	75.0
<i>Flight Opportunities (non-add)**</i>	15.0
<i>Additive Manufacturing (non-add)***</i>	25.0
<i>Innovative Nano Materials (non-add)</i>	5.0
EXPLORATION	4,790.0
Human Exploration Capabilities	4,395.0
<u>Orion Multi-Purpose Crew Vehicle****</u>	1,350.0
<u>Space Launch System****</u>	2,150.0
SLS Program Integration.....	56.1
Launch Vehicle Development.....	2,093.9
<i>Enhanced Upper Stage (EUS) development (non-add)****</i>	300.0
<u>Exploration Ground Systems</u>	895.0
<i>2nd Mobile Launch Platform (non-add)</i>	280.0
<i>SLS associated cost (non-add)</i>	70.0
Exploration Research & Development	395.0
<u>Human Research Program***</u>	140.0
<u>Advanced Exploration Systems***</u>	255.0
SPACE OPERATIONS	4,749.2
Space Shuttle	-
International Space Station	1,493.0
<u>International Space Station Program</u>	1,493.0
ISS Systems Operations & Maintenance.....	1,117.6
ISS Research.....	375.4
Space Transportation	2,345.8
<u>Crew and Cargo Program</u>	1,613.9
<u>Commercial Crew Program</u>	731.9

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Space & Flight Support	910.3
<u>21st Century Space Launch Complex</u>	14.3
<u>Space Communications & Navigation</u>	638.9
Space Communications Networks.....	560.2
Space Communications Support.....	78.7
<u>Human Space Flight Operations</u>	124.4
<u>Launch Services</u>	86.8
<u>Rocket Propulsion Test</u>	46.0
EDUCATION	100.0
Education	100.0
<u>Aerospace Research & Career Development</u>	58.0
NASA Space Grant.....	40.0
EPSCoR.....	18.0
<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	2,826.9
Center Management & Operations	1,983.4
<u>Center Institutional Capabilities</u>	1,527.0
<u>Center Programmatic Capabilities</u>	456.4
Agency Management & Operations	843.5
<u>Agency Management</u>	363.7
<u>Safety & Mission Success</u>	175.7
Safety & Mission Assurance.....	49.2
Chief Engineer.....	83.0

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Chief Health & Medical Officer.....	4.4
Independent Verification & Validation.....	39.1
<u>Agency IT Services</u>	<u>277.3</u>
IT Management.....	29.4
Applications.....	65.0
Infrastructure.....	182.9
<u>Strategic Capabilities Assets Program</u>	<u>26.8</u>
CONSTRUCTION & ENVIRONMENTAL COMPLIANCE & REST.	569.5
Construction of Facilities (CoF)	483.1
<u>Aeronautics CoF</u>	<u>-</u>
<u>Institutional CoF</u>	<u>348.3</u>
<u>Exploration CoF</u>	<u>95.9</u>
<u>Space Operations CoF</u>	<u>23.9</u>
<u>Science CoF</u>	<u>15.0</u>
Environmental Compliance & Restoration	86.4
OFFICE OF INSPECTOR GENERAL	39.0

** Explanatory Statement includes language identifying "up to" or "no more than" funding limits.

*** Explanatory Statement includes language identifying "at least" or "no less than" funding limits.

**** Public Law 115-141, Division B, includes language identifying "not less than" funding limits.