

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION FY 2024 SPENDING PLAN FOR  
 APPROPRIATIONS PROVIDED BY P.L. 118-42  
 June 2024  
 (Budget Authority, \$ in millions)**

	<b>FY 2024 NASA Spending Plan</b>
<b>NASA</b>	<b>24,879.5</b>
<b>SCIENCE</b>	<b>7,326.2</b>
<b>Earth Science</b>	<b>2,187.0</b>
<u>Earth Science Research</u>	606.7
Earth Science Research and Analysis.....	380.6
Computing and Management.....	226.1
<u>Earth Systematic Missions</u>	784.0
NASA-ISRO SAR (NISAR).....	72.1
Sentinel-6.....	51.3
Plankton, Aerosol, Cloud, Ocean Ecosystem (PACE).....	66.7
Other Missions and Data Analysis.....	593.8
<u>Earth System Explorers: Other Missions and Data Analysis</u>	17.1
<u>Earth System Science Pathfinder</u>	226.4
Venture Class Missions.....	174.5
Other Missions and Data Analysis.....	51.9
<u>Earth Science Data Systems (ESDS)</u>	362.9
Commercial SmallSat Data Acquisition (non-add).....	51.4
<u>Earth Science Technology</u>	105.4
Space-Based Wildfire Detection Technologies (non-add).....	8.0
<u>Applied Sciences</u>	84.6
<b>Planetary Science</b>	<b>2,716.7</b>
<u>Planetary Science Research</u>	337.2
Planetary Science Research and Analysis.....	219.6
Other Missions and Data Analysis.....	117.6
<u>Planetary Defense</u>	250.7
Near Earth Object Surveyor (NEO) Surveyor.....	209.7
Other Missions and Data Analysis.....	41.0

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<u>Lunar Discovery and Exploration</u>	438.4
Volatiles Investigating Polar Exploration Rover (VIPER).....	69.3
Other Missions and Data Analysis.....	369.1
<u>Mars Sample Return</u>	310.0
<u>Discovery</u>	193.9
DAVINCI.....	30.3
VERITAS.....	1.5
Psyche.....	57.7
Other Missions and Data Analysis.....	104.4
<u>New Frontiers</u>	438.2
Dragonfly.....	360.0
Other Missions and Data Analysis.....	78.2
<u>Mars Exploration: Other Missions &amp; Data Analysis</u>	257.0
<u>Outer Planets and Ocean Worlds</u>	315.9
Jupiter Europa.....	303.3
Other Missions and Data Analysis.....	12.6
<u>Radioisotope Power</u>	175.5
<b>Astrophysics</b>	<b>1,530.0</b>
<u>Astrophysics Research</u>	298.1
Astrophysics Research and Analysis.....	116.7
Balloon Project.....	49.6
Science Activation.....	52.0
Other Missions and Data Analysis.....	79.9
<u>Cosmic Origins</u>	339.0
James Webb Space Telescope.....	187.0
Hubble Space Telescope (HST).....	93.3
Other Missions and Data Analysis.....	58.6
<u>Physics of the Cosmos: Other Missions &amp; Data Analysis</u>	196.3
<u>Exoplanet Exploration</u>	461.8
Nancy Grace Roman Space Telescope.....	407.3

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Other Missions and Data Analysis.....	54.4
<i>Habitable Worlds Observatory (non-add)</i> .....	17.5
<u>Astrophysics Explorer</u>	234.8
SPHEREx.....	79.4
Compton Spectrometer and Imager (COSI).....	21.8
Other Missions and Data Analysis.....	133.6
<b>Heliophysics</b>	<b>805.0</b>
<u>Heliophysics Research</u>	248.9
Heliophysics Research and Analysis.....	59.8
Sounding Rockets.....	66.0
Research Range.....	26.9
Other Missions and Data Analysis.....	96.1
<u>Living with a Star: Other Missions &amp; Data Analysis</u>	107.4
<i>Geospace Dynamics Constellation (non-add)</i> .....	20.0
<u>Solar Terrestrial Probes</u>	191.7
Interstellar Mapping and Acceleration Probe (IMAP).....	137.4
Other Missions and Data Analysis.....	54.3
<i>Magnetospheric Multiscale (MMS) (non-add)</i> .....	21.5
<u>Heliophysics Explorer Program</u>	215.0
HelioSwarm.....	16.2
Multi-Slit Solar Explorer.....	73.7
Other Missions and Data Analysis.....	125.1
<u>Heliophysics Technology</u>	11.8
<u>Space Weather</u>	30.3
<b>Biological and Physical Sciences</b>	<b>87.5</b>
<i>Establish a Consortium (non-add)</i> .....	2.5
<b>AERONAUTICS</b>	<b>935.0</b>
<b>Aeronautics</b>	<b>935.0</b>

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	<b>FY 2024 NASA Spending Plan</b>
<u>Airspace Operations and Safety Program</u>	148.1
<i>Safe Autonomous Flight Enabling Infrastructure (non-add)</i> .....	6.0
<i>Trusted Autonomy-enabled Technologies Flight Demonstrator (non-add)</i> .....	7.0
<u>Advanced Air Vehicles Program</u>	259.6
<i>Hypersonic Technology Project (non-add)</i> .....	49.5
<i>Establish the Making Advancements in Commercial Hypersonics (MACH) (non-add)</i> .....	-
<i>Carbon/Carbon Material Testing (non-add)</i> .....	5.0
<i>Automation of High-Temperature Ceramic Matric (non-add)</i> .....	2.0
<i>Hi-Rate Composites Aircraft Manufacturing Technology Project (non-add)</i> .....	24.6
<i>Optimization of Stitched Composites (non-add)</i> .....	9.4
<u>Integrated Aviation Systems Program</u>	256.6
Electrified Powertrain Flight Demonstration.....	79.2
Low Boom Flight Demonstrator.....	42.6
Other Projects.....	134.7
<u>Transformative Aero Concepts Program</u>	154.9
<u>Aerosciences Eval. &amp; Test Capab. Program</u>	115.8
<b>SPACE TECHNOLOGY</b>	<b>1,100.0</b>
Space Technology	1,100.0
<u>Early Stage Innovation and Partnerships</u>	116.9
Early Stage Innovation .....	95.9
Technology Transfer.....	21.0
<i>Regional Economic Development Initiative (non-add)</i> .....	7.0
<u>Technology Maturation</u>	252.7
<i>Lunar Surface Power (non-add)</i> .....	21.3
<i>Innovative Nanomaterials (non-add)</i> .....	6.5
<u>Technology Demonstration</u>	512.6
On-orbit Servicing, Assembly, & Manufacturing 1 (OSAM-1).....	206.9
Solar Electric Propulsion (SEP).....	8.5
Small Spacecraft, Flight Opportunities & Other Tech Demo.....	297.2
<i>Flight Opportunities (non-add)</i> .....	27.0
<i>Support Payload Development (non-add)</i> .....	5.0
<i>Orbital Debris Inspection Mission (non-add)</i> .....	5.0
<i>Nuclear Thermal Propulsion (NTP) (non-add)</i> .....	110.0
<i>Accelerate the Development of An Operational System (non-add)</i> .....	10.0

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<i>Nuclear Electric Propulsion (NEP) (non-add).....</i>	7.0
<i>Design of Test Articles to Enable a Flight Demonstration (non-add).....</i>	7.0
<i>Fission Surface Power (non-add).....</i>	16.0
<b><u>SBIR and STTR</u></b>	<b>217.8</b>
<b>EXPLORATION</b>	<b>7,649.8</b>
<b>Common Exploration Systems Development</b>	<b>4,783.3</b>
<u>Orion Program</u>	1,285.5
<u>Space Launch System</u>	2,600.0
Launch Vehicle Development.....	2,527.1
<i>SLS Block 1 B Development (non-add).....</i>	462.5
SLS Program Integration and Support.....	72.9
<u>Exploration Ground Systems</u>	897.9
Exploration Ground Systems Development.....	883.2
<i>Mobile Launcher-2 (ML-2) (non-add).....</i>	356.2
EGS Program Integration and Support.....	14.7
<b>Artemis Campaign Development</b>	<b>2,663.3</b>
<u>Gateway</u>	854.5
<u>Adv Cislunar and Surface Capabilities</u>	31.5
<u>xEVA and Human Surface Mobility Program</u>	358.4
<u>Human Landing System</u>	1,418.9
<b>Human Exploration Requirements &amp; Architecture</b>	<b>62.6</b>
<u>Moon &amp; Mars Architecture</u>	62.6
<b>Mars Campaign Development</b>	<b>140.6</b>
<u>Exploration Capabilities</u>	140.6
<i>Fabrication Laboratory (FabLab) Demonstration (non-add).....</i>	5.0
<b>SPACE OPERATIONS</b>	<b>4,222.1</b>

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<b>International Space Station</b>	1,240.6
<u>International Space Station Program</u>	1,240.6
ISS Systems Operations and Maintenance.....	993.0
ISS Research.....	247.6
<b>Space Transportation</b>	1,746.1
<u>Crew and Cargo Program</u>	1,635.5
<u>Commercial Crew Program</u>	110.6
<b>Space and Flight Support (SFS)</b>	1,007.0
<u>Space Communications and Navigation</u>	522.5
Space Communications Networks.....	417.3
Space Communications Support.....	105.2
<u>Human Space Flight Operations</u>	106.5
<u>Launch Services</u>	99.3
<u>Rocket Propulsion Test</u>	48.2
<u>Communications Services Program</u>	74.4
<i>Small Satellite Cross-Link Systems (non-add).....</i>	15.0
<u>Human Research Program</u>	151.2
<u>21st Century Space Launch Complex</u>	5.0
<b>Commercial LEO Development</b>	228.4
<b>STEM ENGAGEMENT</b>	<b>143.0</b>
<b>STEM Engagement</b>	143.0
<u>NASA Space Grant</u>	58.0
<u>Established Prog to Stimulate Competitive Research (EPSCoR)</u>	26.0
<u>Minority University Research Education Program (MUREP)</u>	45.5
<u>Next GEN STEM (NGS)</u>	13.5
<b>SAFETY, SECURITY AND MISSION SERVICES</b>	<b>3,133.5</b>
<b>Mission Services &amp; Capabilities</b>	2,045.1

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<u>Information Technology (IT)</u>	639.2
<i>Technology Modernization Fund (TMF).....</i>	4.5
<u>Mission Enabling Services</u>	757.3
<u>Infrastructure &amp; Technical Capabilities (I&amp;TC)</u>	648.7
<b>Engineering, Safety, &amp; Operations</b>	<b>1,088.3</b>
<u>Agency Technical Authority</u>	196.1
<i>IV&amp;V Program (non-add).....</i>	39.2
<u>Center Engineering, Safety, &amp; Operations</u>	892.2
<i>Community Projects/Special Projects (non-add).....</i>	56.7
<i>STT Education Trust Fund Grant Disbursements (non-add).....</i>	1.0
<b>CONSTRUCTION &amp; ENVIRONMENTAL COMPLIANCE &amp; REST.</b>	<b>322.3</b>
<b>Construction of Facilities (CoF)</b>	<b>270.8</b>
<u>Aeronautics CoF</u>	-
<u>Institutional CoF</u>	208.6
<u>Exploration CoF</u>	26.9
<u>Space Operations CoF</u>	27.3
<u>Science CoF</u>	8.0
<b>Environmental Compliance and Restoration</b>	<b>51.5</b>
<b>OFFICE OF INSPECTOR GENERAL</b>	<b>47.6</b>