

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION FY 2024 SPENDING PLAN
FOR APPROPRIATIONS PROVIDED BY P.L. 118-42**

July 2024

(Budget Authority, \$ in millions)

	FY 2024 NASA Spending Plan
NASA	24,879.5
SCIENCE	7,325.9
Earth Science	2,187.0
<u>Earth Science Research</u>	606.7
Earth Science Research and Analysis.....	380.6
Computing and Management.....	226.1
<u>Earth Systematic Missions</u>	794.6
NASA-ISRO SAR (NISAR).....	72.1
Sentinel-6.....	51.3
Plankton, Aerosol, Cloud, Ocean Ecosystem (PACE).....	49.0
Other Missions and Data Analysis.....	622.1
<u>Earth System Explorers: Other Missions and Data Analysis</u>	15.4
<u>Earth System Science Pathfinder</u>	217.5
Venture Class Missions.....	165.6
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
Planetary Science	2,716.7
<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>	296.7
Near Earth Object Surveyor (NEO) Surveyor.....	255.7
Other Missions and Data Analysis.....	41.0

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<u>Lunar Discovery and Exploration</u>	363.4
Volatiles Investigating Polar Exploration Rover (VIPER).....	89.3
Other Missions and Data Analysis.....	274.1
<u>Mars Sample Return</u>	310.0
<u>Discovery</u>	188.3
DAVINCI.....	30.3
VERITAS.....	5.0
Psyche.....	57.7
Other Missions and Data Analysis.....	95.2
<u>New Frontiers</u>	438.2
Dragonfly.....	360.0
Other Missions and Data Analysis.....	78.2
<u>Mars Exploration: Other Missions & Data Analysis</u>	255.0
<u>Outer Planets and Ocean Worlds</u>	352.5
Jupiter Europa.....	339.9
Other Missions and Data Analysis.....	12.6
<u>Radioisotope Power</u>	175.5
Astrophysics	1,529.7
<u>Astrophysics Research</u>	297.8
Astrophysics Research and Analysis.....	116.7
Balloon Project.....	49.3
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 & Data Analysis</u>	196.3

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<u>Exoplanet Exploration</u>	461.8
Nancy Grace Roman Space Telescope.....	407.3
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
Heliophysics	805.0
<u>Heliophysics Research</u>	249.6
Heliophysics Research and Analysis.....	55.8
Sounding Rockets.....	73.1
Research Range.....	26.9
Other Missions and Data Analysis.....	93.8
<u>Living with a Star: Other Missions & Data Analysis</u>	107.4
<i>Geospace Dynamics Constellation (non-add)</i>	20.0
<u>Solar Terrestrial Probes</u>	195.9
Interstellar Mapping and Acceleration Probe (IMAP).....	137.4
Other Missions and Data Analysis.....	58.5
<i>Magnetospheric Multiscale (MMS) (non-add)</i>	21.5
<u>Heliophysics Explorer Program</u>	206.2
HelioSwarm.....	16.2
Multi-Slit Solar Explorer.....	74.7
Other Missions and Data Analysis.....	115.3
<u>Heliophysics Technology</u>	11.8
<u>Space Weather</u>	34.1
Biological and Physical Sciences	87.5
<i>Establish a Consortium (non-add)</i>	2.5
AERONAUTICS	935.0

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Aeronautics	935.0
<u>Airspace Operations and Safety Program</u>	<u>148.1</u>
<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>	<u>259.6</u>
<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>	<u>256.6</u>
Electrified Powertrain Flight Demonstration.....	79.2
Low Boom Flight Demonstrator.....	42.6
Other Projects.....	134.7
<u>Transformative Aero Concepts Program</u>	<u>154.9</u>
<u>Aerosciences Eval. & Test Capab. Program</u>	<u>115.8</u>
SPACE TECHNOLOGY	1,100.0
Space Technology	1,100.0
<u>Early Stage Innovation and Partnerships</u>	<u>116.9</u>
Early Stage Innovation	95.9
Technology Transfer.....	21.0
<i>Regional Economic Development Initiative (non-add)</i>	7.0
<u>Technology Maturation</u>	<u>252.7</u>
<i>Lunar Surface Power (non-add)</i>	21.3
<i>Innovative Nanomaterials (non-add)</i>	6.5
<u>Technology Demonstration</u>	<u>512.6</u>
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

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<i>Nuclear Thermal Propulsion (NTP) (non-add).....</i>	110.0
<i>Accelerate the Development of An Operational System (non-add).....</i>	10.0
<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
<u>SBIR and STTR</u>	217.8
EXPLORATION	7,648.0
Common Exploration Systems Development	4,810.5
<u>Orion Program</u>	1,296.4
<u>Space Launch System</u>	2,612.7
Launch Vehicle Development.....	2,539.8
<i>SLS Block 1 B Development (non-add).....</i>	462.5
SLS Program Integration and Support.....	72.9
<u>Exploration Ground Systems</u>	901.5
Exploration Ground Systems Development.....	886.8
<i>Mobile Launcher-2 (ML-2) (non-add).....</i>	356.2
EGS Program Integration and Support.....	14.7
Artemis Campaign Development	2,634.3
<u>Gateway</u>	854.5
<u>Adv Cislunar and Surface Capabilities</u>	25.6
<u>xEVA and Human Surface Mobility Program</u>	364.3
<u>Human Landing System</u>	1,389.9
Human Exploration Requirements & Architecture	62.6
<u>Moon & Mars Architecture</u>	62.6
Mars Campaign Development	140.6
<u>Exploration Capabilities</u>	140.6
<i>Fabrication Laboratory (FabLab) Demonstration (non-add).....</i>	5.0
SPACE OPERATIONS	4,220.2

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International Space Station	1,240.6
<u>International Space Station Program</u>	<u>1,240.6</u>
ISS Systems Operations and Maintenance.....	993.0
ISS Research.....	247.6
Space Transportation	1,746.1
<u>Crew and Cargo Program</u>	<u>1,635.5</u>
<u>Commercial Crew Program</u>	<u>110.6</u>
Space and Flight Support (SFS)	1,005.1
<u>Space Communications and Navigation</u>	<u>522.5</u>
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>	3.1
Commercial LEO Development	228.4
STEM ENGAGEMENT	143.0
STEM Engagement	143.0
<u>NASA Space Grant</u>	<u>58.0</u>
<u>Established Prog to Stimulate Competitive Research (EPSCoR)</u>	<u>26.0</u>
<u>Minority University Research Education Program (MUREP)</u>	<u>45.5</u>
<u>Next GEN STEM (NGS)</u>	<u>13.5</u>
SAFETY, SECURITY AND MISSION SERVICES	3,133.5

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Mission Services & Capabilities	2,045.1
<u>Information Technology (IT)</u>	639.2
<i>Technology Modernization Fund (TMF).....</i>	4.5
<u>Mission Enabling Services</u>	757.3
<u>Infrastructure & Technical Capabilities (I&TC)</u>	648.7
Engineering, Safety, & Operations	1,088.3
<u>Agency Technical Authority</u>	196.1
<i>IV&V Program (non-add).....</i>	39.2
<u>Center Engineering, Safety, & 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
CONSTRUCTION & ENVIRONMENTAL COMPLIANCE & REST.	326.3
Construction of Facilities (CoF)	274.8
<u>Aeronautics CoF</u>	-
<u>Institutional CoF</u>	208.6
<u>Exploration CoF</u>	28.7
<u>Space Operations CoF</u>	29.2
<u>Science CoF</u>	8.3
Environmental Compliance and Restoration	51.5
OFFICE OF INSPECTOR GENERAL	47.6