

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
FY 2013 Operating Plan for Public Law 113-6 Appropriations
August 1, 2013
(Budget Authority, \$ in millions)

	FY 2013 NASA Operating Plan
NASA	16,865.2
SCIENCE	4,781.6
<u>Earth Science</u>	<u>1,659.2</u>
<u>Earth Science Research</u>	<u>422.9</u>
Earth Science Research & Analysis.....	316.7
Computing & Management.....	106.2
<u>Earth Systematic Missions</u>	<u>823.5</u>
Global Precipitation Measurement.....	91.4
Landsat Data Continuity Mission.....	23.6
Ice, Cloud, and Land Elevation Satellite - 2.....	165.9
Soil Moisture Active and Passive.....	210.3
Other Missions and Data Analysis.....	332.4
<u>Earth Science Pathfinder</u>	<u>169.3</u>
OCO-2.....	80.3
Venture Class Missions.....	51.5
Other Missions and Data Analysis.....	37.5
<u>Earth Science Multi-Mission Operations</u>	<u>162.2</u>
<u>Earth Science Technology</u>	<u>48.9</u>
<u>Applied Sciences: Pathways</u>	<u>32.5</u>
<u>Planetary Science</u>	<u>1,271.5</u>
<u>Planetary Science Research</u>	<u>192.7</u>
Planetary Science Research & Analysis.....	128.6
Other Missions & Data Analysis.....	39.7
Education & Directorate Management.....	3.9
Near Earth Object Observations.....	20.5
<u>Lunar Quest Program</u>	<u>71.8</u>
Lunar Science.....	20.3
Lunar Atmosphere and Dust Environment.....	48.7
Surface Science Lander Technology.....	2.8

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<u>Discovery: Other Missions & Data Analysis</u>	<u>207.4</u>
<u>New Frontiers</u>	<u>158.8</u>
OSIRIS-REx.....	125.5
Other Missions & Data Analysis.....	33.3
<u>Mars Exploration</u>	<u>369.5</u>
MAVEN.....	86.5
Other Missions & Data Analysis.....	283.0
<u>Outer Planets</u>	<u>147.8</u>
Jupiter Europa Mission.....	69.7
Other Missions & Data Analysis.....	78.1
<u>Technology</u>	<u>123.4</u>
Astrophysics	617.0
<u>Astrophysics Research</u>	<u>155.8</u>
Astrophysics Research & Analysis.....	65.0
Balloon Project.....	33.0
Other Missions & Data Analysis.....	57.8
<u>Cosmic Origins</u>	<u>218.9</u>
Hubble Space Telescope.....	93.3
Stratospheric Observatory for Infrared Astronomy.....	77.5
Other Missions & Data Analysis.....	48.1
<u>Physics of the Cosmos: Other Missions & Data Analysis</u>	<u>124.5</u>
<u>Exoplanet Exploration: Other Missions & Data Analysis</u>	<u>52.8</u>
<u>Astrophysics Explorer</u>	<u>65.1</u>
Nuclear Spectroscopic Telescope Array.....	1.9
Gravity & Extreme Magnetism.....	2.0
Other Missions & Data Analysis.....	61.2
James Webb Space Telescope	627.6

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Heliophysics	606.3
<u>Heliophysics Research</u>	<u>176.1</u>
Heliophysics Research & Analysis.....	35.2
Sounding Rockets.....	56.1
Research Range.....	20.5
Other Missions & Data Analysis.....	64.4
<u>Living With a Star</u>	<u>174.9</u>
Van Allen Probes (RBSP).....	7.7
Solar Probe Plus.....	108.2
Solar Orbiter Collaboration.....	19.1
Other Missions & Data Analysis.....	39.9
<u>Solar Terrestrial Probes</u>	<u>201.1</u>
Magnetospheric Multiscale (MMS).....	183.3
Other Missions & Data Analysis.....	17.8
<u>Heliophysics Explorer</u>	<u>54.1</u>
IRIS.....	15.1
Other Missions & Data Analysis.....	39.0

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AERONAUTICS	529.5
Aeronautics	529.5
<u>Aviation Safety</u>	<u>77.6</u>
<u>Airspace Systems</u>	<u>89.8</u>
<u>Fundamental Aeronautics</u>	<u>167.7</u>
<u>Aeronautics Test</u>	<u>74.6</u>
<u>Integrated Systems Research</u>	<u>99.0</u>
<u>Aeronautics Strategy & Management</u>	<u>21.0</u>
SPACE TECHNOLOGY	614.5
Space Technology	614.5
<u>Partnerships Develop. & Strategic Integration</u>	<u>28.8</u>
<u>SBIR & STTR</u>	<u>165.4</u>
<u>Crosscutting Space Technology Development</u>	<u>247.3</u>
<u>Exploration Technology Development</u>	<u>172.9</u>
EXPLORATION	3,705.5
Human Exploration Capabilities	2,883.8
<u>Orion Multi-Purpose Crew Vehicle: Crew Vehicle Dev.</u>	<u>1,113.8</u>
<u>Space Launch System</u>	<u>1,770.0</u>
Launch Vehicle Development.....	1,414.9
Exploration Ground Systems.....	355.1
Commercial Spaceflight: <u>Commercial Crew</u>	525.0
Exploration Research & Development	296.7
<u>Human Research Program</u>	<u>146.7</u>
<u>Advanced Exploration Systems</u>	<u>150.0</u>

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SPACE OPERATIONS	3,724.9
Space Shuttle	38.8
<u>Space Shuttle Program</u>	<u>38.8</u>
Program Integration.....	16.5
Flight & Ground Operations.....	21.5
Flight Hardware.....	0.8
International Space Station	2,775.9
<u>International Space Station Program</u>	<u>2,775.9</u>
ISS Systems Operations & Maintenance.....	1,451.5
ISS Research.....	284.1
ISS Crew & Cargo Transportation.....	1,040.3
Space & Flight Support	910.2
<u>21st Century Space Launch Complex</u>	<u>39.0</u>
<u>Space Communications & Navigation</u>	<u>641.4</u>
Space Communications Networks.....	450.8
Space Communications Support.....	67.0
TDRS Replenishment.....	123.5
<u>Human Space Flight Operations</u>	<u>102.6</u>
<u>Launch Services</u>	<u>81.2</u>
<u>Rocket Propulsion Test</u>	<u>45.9</u>

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EDUCATION	116.3
Education	116.3
<u>Aerospace Research & Career Development</u>	54.0
NASA Space Grant.....	37.2
EPSCoR.....	16.7
<u>STEM Education & Accountability</u>	62.3
Minority University Research Education Program.....	27.9
STEM Education & Accountability Projects.....	25.1
Informal Education.....	9.3
CROSS AGENCY SUPPORT	2,711.0
Center Management & Operations	1,991.6
<u>Center Institutional Capabilities</u>	1,539.7
<u>Center Programmatic Capabilities</u>	451.8
Agency Management & Operations	719.4
<u>Agency Management</u>	372.3
<u>Safety & Mission Success</u>	172.5
Safety & Mission Assurance.....	46.3
Chief Engineer.....	84.5
Chief Health & Medical Officer.....	4.2
Independent Verification & Validation.....	37.5
<u>Agency IT Services</u>	148.0
IT Management.....	13.4
Applications.....	59.1
Infrastructure.....	75.5
<u>Strategic Capabilities Assets Program</u>	26.6

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CONSTRUCTION & ENVIRONMENTAL COMPLIANCE & REST.	646.6
Construction of Facilities (CoF)	589.5
<u>Institutional CoF</u>	<u>313.0</u>
<u>Science CoF</u>	<u>3.0</u>
<u>Exploration CoF</u>	<u>252.6</u>
<u>Space Operations CoF</u>	<u>20.8</u>
Environmental Compliance & Restoration	57.0
OFFICE OF INSPECTOR GENERAL	35.3