

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

CHANGES FROM FY 2000 BUDGET ESTIMATE TO FY 2000 CURRENT ESTIMATE

	NASA FY 2000 <u>Request</u>	<u>Delta</u>	12/23/99 Initial <u>Op Plan</u> (Millions of Dollars)	*P.L. 106-113 Rescission & <u>Add'l Changes</u>	Current <u>FY 2000</u>
<u>HUMAN SPACE FLIGHT</u>	<u>5,638.0</u>	<u>-127.1</u>	<u>5,510.9</u>	<u>-43.200</u>	<u>5,467.700</u>
Space Station	2,482.7	-148.1	2,334.6	-11.500	2,323.100
Space Shuttle	2,986.2	25.0	3,011.2	-31.700	2,979.500
Payload Utilization & Operations	169.1	-4.0	165.1		165.100
<u>Science, Aero & Technology</u>	<u>5,424.7</u>	<u>182.0</u>	<u>5,606.7</u>	<u>-25.805</u>	<u>5,580.895</u>
Space Science	2,196.6	1.5	2,198.1	-5.315	2,192.785
Life & Microgravity Sciences & Applications	256.2	20.3	276.5	-1.779	274.721
Earth Science	1,459.1	-12.6	1,446.5	-3.075	1,443.425
Aero-Space Technology	1006.5	131.5	1138.0	-13.146	1,124.854
Mission Communication Services	<u>406.3</u>	<u>0.0</u>	<u>406.3</u>		<u>406.300</u>
Academic Programs	100.0	41.3	141.3	-2.490	138.810
<u>Mission Support</u>	<u>2,494.9</u>	<u>20.2</u>	<u>2,515.1</u>	<u>17.124</u>	<u>2,532.224</u>
Safety, Mission Assur, Eng & Adv Concepts	43.0		43.0		43.000
Space Communication Services	89.7		89.7		89.700
Total Research & Program Management	2,181.2	19.3	2,200.5	17.124	2,217.624
Construction Of Facilities	181.0	0.9	181.9		181.900
<u>Inspector General</u>	<u>20.8</u>	<u>-0.8</u>	<u>20.0</u>		<u>20.000</u>
NASA TOTAL	13,578.4	74.3	13,652.7	-51.881	13,600.819

*reflects both 0.38% rescission and \$20.2M tranfer from the Human Space Flight account to the Mission Support account.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

CHANGES FROM FY 2000 BUDGET ESTIMATE TO FY 2000 CURRENT ESTIMATE

	NASA FY 2000 <u>Request</u>	<u>Delta</u>	12/23/99 Initial <u>Op Plan</u>	*P.L. 106-113 Rescission & <u>Add'l Changes</u>	Current FY 2000 <u>5,467.700</u>
<u>HUMAN SPACE FLIGHT</u>	<u>5,638.0</u>	<u>-127.1</u>	<u>5,510.9</u>	<u>-43.200</u>	
Space Station	2,482.7	-148.1	2,334.6	-11.500	2,323.100
Vehicle	890.1		890.1		890.100
Operations Capability	850.2	-54.1	796.1	-32.500	763.600
Research	394.4		394.4		394.400
Russian Program Assurance	200.0		200.0		200.000
Crew Return Vehicle	148.0	-94.0	54.0	21.000	75.000
Space Shuttle	2,986.2	25.0	3,011.2	-31.700	2,979.500
<u>Shuttle Operations</u>	<u>2,547.4</u>	<u>-25.0</u>	<u>2,522.4</u>	<u>-31.700</u>	<u>2,490.700</u>
Orbiter and Integration	709.4		709.4	-10.600	698.800
Propulsion	1,133.2	-70.6	1,062.6	-9.500	1,053.100
Mission and Launch Operations	704.8	45.6	750.4	-11.600	738.800
<u>Safety/Performance Upgrades</u>	<u>438.8</u>	<u>50.0</u>	<u>488.8</u>		<u>488.800</u>
Orbiter Improvements	196.6	-12.9	183.7		183.700
Propulsion Upgrades	118.7	62.9	181.6		181.600
Flight Operations & Launch Site Equipment	112.5		112.5		112.500
Construction of Facilities	11.0		11.0		11.000
Payload Utilization & Operations	169.1	-4.0	165.1		165.100
Payload Processing and Support	49.3		49.3		49.300
ELV Mission Support	28.6	2.0	30.6		30.600
Advanced Projects (X-38)	6.0	-6.0	0.0		0.000
Engineering and Technical Base	85.2		85.2		85.200

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
CHANGES FROM FY 2000 BUDGET ESTIMATE TO FY 2000 CURRENT ESTIMATE

	NASA FY 2000 <u>Request</u>	<u>Delta</u>	12/23/99 Initial <u>Op Plan</u>	*P.L. 106-113 Rescission & <u>Add'l Changes</u>	Current FY 2000
<u>Science, Aero & Technology</u>	<u>5,424.7</u>	<u>182.0</u>	<u>5,606.7</u>	<u>-25.805</u>	<u>5,580.895</u>
Space Science	2,196.6	1.5	2,198.1	-5.315	2,192.785
Chandra Development	0.0	4.1	4.1		4.100
GP-B	40.5	9.4	49.9		49.900
HST Development	140.4	19.7	160.1		160.100
SOFIA	45.1	-6.1	39.0		39.000
SIRTF	125.0	-1.6	123.4		123.400
TIMED Development	16.0	11.5	27.5		27.500
Payload & Instrument Development	10.0	3.6	13.6		13.600
Explorers	151.0	-28.7	122.3		122.300
Mars Surveyor	250.7	-2.3	248.4		248.400
Discovery	180.5	-25.7	154.8		154.800
Mission Operations	85.3	-9.9	75.4		75.400
Supporting Research & Technology	1,152.1	27.5	1,179.6	-5.315	1,174.285
Life & Microgravity Sciences & Applications	256.2	20.3	276.5	-1.779	274.721
Advanced Human Support Technology	29.2	1.1	30.3	-0.085	30.215
Biomedical Research & Countermeasures	53.0	4.7	57.7	-0.508	57.192
Gravitational Biology & Ecology	38.6	-0.4	38.2		38.200
Microgravity Research	111.4	-2.6	108.8		108.800
Space Products Development	14.4		14.4		14.400
Space Medicine	7.1	0.2	7.3		7.300
Occupational Health	1.1	0.3	1.4		1.400
Mission Integration	1.4	17.0	18.4	-1.186	17.214
Earth Science	1,459.1	-12.6	1,446.5	-3.075	1,443.425
Earth Observing System	663.2	-87.7	575.5	-0.085	575.415
EOSDIS	231.5	31.0	262.5	-0.594	261.906
Earth Probes	138.2	19.2	157.4		157.400
Applied Research and Data Analysis	420.2	18.7	438.9	-2.396	436.504
GLOBE	5.0		5.0		5.000
SRTM	0.0	6.2	6.2		6.200
CoF	1.0		1.0		1.000

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
CHANGES FROM FY 2000 BUDGET ESTIMATE TO FY 2000 CURRENT ESTIMATE**

	NASA FY 2000 <u>Request</u>	<u>Delta</u>	12/23/99 Initial <u>Op Plan</u>	*P.L. 106-113 Rescission & <u>Add'l Changes</u>	Current FY 2000
Aero-Space Technology	1006.5	131.5	1138.0	-13.146	1,124.854
<u>Research and Technology Base</u>	<u>511.4</u>	<u>80.3</u>	<u>591.7</u>	<u>-10.080</u>	<u>581.620</u>
<u>Focused Programs</u>	<u>362.6</u>	<u>43.0</u>	<u>405.6</u>	<u>-2.371</u>	<u>403.229</u>
Aviation Systems Capacity	60.0	3.2	63.2	-0.271	62.929
Aviation Safety	60.0	4.8	64.8	-0.406	64.394
High Performance Computing & Communications	24.2	0.0	24.2		24.200
Ultra Efficient Engine Technology	50.0	20.0	70.0	-1.694	68.306
Future-X Flight Demonstrations – Pathfinders	31.3	0.0	31.3		31.300
X-34	25.5	15.0	40.5		40.500
X-33	111.6	0.0	111.6		111.600
<u>Commercial Technology Program</u>	<u>132.5</u>	<u>8.2</u>	<u>140.7</u>	<u>-0.695</u>	<u>140.005</u>
Mission Communication Services	406.3	0.0	406.3		406.300
Ground Network	228.8	-66.8	162.0		162.000
Mission Control & Data Systems	150.5	83.3	233.8		233.800
Space Network Customer Services	27.0	-16.5	10.5		10.500
Academic Programs	100.0	41.3	141.3	-2.490	138.810
Education Programs	54.1	32.7	86.8	-1.761	85.039
Minority University Research & Education	45.9	8.6	54.5	-0.729	53.771
Mission Support	2,494.9	20.2	2,515.1	17.124	2,532.224
Safety, Mission Assur, Eng & Adv Concepts	43.0		43.0		43.000
Space Communication Services	89.7		89.7		89.700
Space Network	37.8	-1.7	36.1		36.100
Telecommunications	51.9	1.7	53.6		53.600
Total Research & Program Management	2,181.2	19.3	2,200.5	17.124	2,217.624
Construction Of Facilities	181.0	0.9	181.9		181.900
Inspector General	20.8	-0.8	20.0		20.000
NASA TOTAL	13,578.4	74.3	13,652.7	-51.881	13,600.819

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

CHANGES FROM FY 2000 BUDGET ESTIMATE TO FY 2000 CURRENT ESTIMATE

CHANGES SINCE THE 12/23/99 OPERATING PLAN

Rescission

Per Public Law 106-113, NASA's FY 1999 appropriation was reduced 0.38 percent, or \$51,881,000. This rescission was accommodated by reducing Human Space Flight \$23,000,000; reducing Science, Aeronautics and Technology \$25,805,000; and reducing Mission Support \$3,076,000.

Space Station

The FY 2000 estimate is reduced \$11,500,000 to accommodate a portion of the Human Space Flight rescission (above). Additionally, \$21,000,000 is reallocated from Operations Capability to Crew Return Vehicle (CRV) in order to maintain the Phase 1 development for the CRV.

Space Shuttle

The FY 2000 estimate is reduced \$11,500,000 to accommodate a portion of the Human Space Flight rescission (above). Additionally, \$20,200,000 is transferred from Space Shuttle Operations to Research and Program Management (R&PM) in the Mission Support appropriation in order to fund additional hiring of personnel in critical skill areas at Human Space Flight centers (JSC, MSFC, KSC, and SSC), as described below.

Transfer Authority

The President's FY 2001 budget request proposes the following transfer, that is found in the supplementals appendix:

“The last proviso under this heading in P. L. 106-74 is repealed, provided that \$ 20,200,000 shall be transferred to "Mission support".

This request repeals the \$40,000,000 that was intended for an additional Space Shuttle research flight in favor of funding higher priority safety investments that will ensure the continued safe operation of the Space Shuttle. The amount of \$20,200,000 is transferred from Space Shuttle Operations to Research and Program Management (R&PM) in the Mission Support appropriation in order to fund additional hiring of personnel in critical skill areas at Human Space Flight centers (JSC, MSFC, KSC, and SSC), and \$19,800,000 is applied to high priority safety upgrades in the Space Shuttle program that will be fully in place in the Shuttle fleet by 2005.