

Table II-12. NASA R&D

Table II-12. R&D in the National Aeronautics and Space Administration
(budget authority in millions of dollars)

	FY 2002 Actual *	FY 2003 Estimate	FY 2004 Budget	Change FY 03-04	
				Amount	Percent
Detail of NASA Budget: (new proposed structure) *					
1. Space Flight Capabilities (SFC) / Human Space Flight					
Space Flight					
International Space Station	1,721	1,841	1,707	-134	-7.3%
Space Shuttle (non-R&D)	3,270	3,836	3,968	133	3.5%
Space & Flight Support	601	461	434	-27	-5.8%
Institutional Support *	1,182	0	0	0	--
Total Space Flight	6,773	6,138	6,110	-28	-0.5%
Crosscutting Technology ¹					
Space Launch Initiative	535	1,103	1,065	-39	-3.5%
Mission & Sci. Measurement Tech	276	431	438	7	1.6%
Innovative Tech. Transf. Partner.	164	182	169	-13	-6.9%
Institutional Support *	543	0	0	0	--
Total Crosscutting Tech.	1,518	1,717	1,672	-44	-2.6%
Total SFC	8,291	7,855	7,782	-72	-0.9%
2. Science, Aeronautics and Exploration (SAE) / Science, Aeronautics and Technology					
Space Science					
Solar System Exploration	639	1,073	1,359	286	26.6%
Mars Exploration	457	565	570	6	1.0%
Astronomical Search for Origins	650	819	877	58	7.1%
Structure & Evolution of Universe	350	408	432	23	5.7%
Sun-Earth Connection	413	691	770	78	11.3%
Institutional Support *	393	0	0	0	--
Total Space Science	2,902	3,557	4,007	450	12.7%
Earth Science					
Earth System Science	1,241	1,604	1,477	-126	-7.9%
Earth Science Applications	95	85	75	-10	-12.3%
Institutional Support *	256	0	0	0	--
Total Earth Science	1,592	1,689	1,552	-137	-8.1%

(continued)

Table II-12. NASA R&D

Table II-12. R&D in the National Aeronautics and Space Administration (continued)
(budget authority in millions of dollars)

	FY 2002 Actual *	FY 2003 Estimate	FY 2004 Budget	Change FY 03-04 Amount	Percent
Biological & Physical Research					
Biological Sciences Research	218	312	359	47	15.1%
Physical Sciences Research	227	360	353	-7	-1.9%
Res. Partnersps. / Flt. Support	197	260	261	1	0.2%
Institutional Support *	182	3	0	-3	-100.0%
Total Bio. & Phys. Research	824	935	973	37	4.0%
Aerospace Technology					
Aeronautics Technology	646	1,049	959	-89	-8.5%
Institutional Support *	386	0	0	0	--
Total Aerospace Technology	1,032	1,049	959	-89	-8.5%
Academic Progs. / Education					
	227	226	170	-56	-24.7%
Total SAE	6,577	7,455	7,661	206	2.8%
3. Inspector General (non-R&D)	24	25	26	1	3.4%
TOTAL NASA Budget	14,892	15,335	15,469	134	0.9%
<i>minus non-R&D activities:</i>					
Space Shuttle	-3,270	-3,836	-3,968	-133	3.5%
Other Space Flight non-R&D ¹	-1,304	-406	-389	17	-4.2%
Inspector General	-24	-25	-26	-1	3.4%
Education & Training	-69	-69	-61	8	-11.8%
TOTAL NASA R&D	10,224	10,999	11,025	26	0.2%

Source: OMB R&D data for FY 2004, agency budget justification, and agency documents.

* NASA proposes to restructure its budget in FY 2004 and to present its budget using full-cost accounting. FY 2003 budget figures are adjusted for comparability with the new budget structure. FY 2002 figures are not adjusted, and include separate Institutional Support lines that will be integrated with program costs in the new structure.

All figures are rounded to the nearest million. Changes calculated from unrounded figures.

¹ These programs were formerly in the Science, Aeronautics, and Technology account, now the SAE account.

² FY 2002 includes Space Shuttle institutional support costs.

Please see Chapter 10 for a discussion of NASA R&D.

FY 2003 figures reflect AAAS estimates of final FY 2003 appropriations.

Allocations of FY 03 funds among programs are AAAS preliminary estimates.