

TABLE 33. Federal research and development budget authority for space research and technology (252): FY 2009–11
(Millions of dollars)

Agency	2009 ^a		2010 preliminary	2011 proposed	2010–11 (% change)
	Actual	ARRA			
Total	6,205	686	6,622	7,364	11.2
National Aeronautics and Space Administration (NASA) ^b					
Cross-agency support					
Innovative partnerships	160	0	175	0	-100.0
Exploration	2,964	375	3,369	3,430	1.8
Advanced capabilities	383	0	402	0	-100.0
Commercial spaceflight	0	0	0	812	-
Constellation systems	2,582	375	2,967	1,067	-64.0
Exploration research and development	0	0	0	1,552	-
Science	3,081	311	3,078	3,573	16.1
Astrophysics	846	75	728	715	-1.8
Earth science	915	236	953	1,303	36.7
Heliophysics	379	0	410	455	11.0
Planetary science	942	0	988	1,099	11.2
Space Operations	0	0	0	361	-
21st Century Launch Complex	0	0	0	128	-
International space station	0	0	0	233	-

^a For total FY 2009, sum FY 2009 actual and FY 2009 ARRA (funds appropriated through the American Recovery and Reinvestment Act of 2009).

^b NASA adjusted their R&D reporting in FY 2011 to more closely match survey data reported to the National Science Foundation. All years are adjusted for comparability.

NOTES: Detail may not add to total because of rounding. Percentage change calculated on unrounded data.

SOURCES: NASA submissions to Office of Management and Budget per MAX Schedule C, NASA budget justification documents, and supplemental data obtained from NASA budget office.