

NASA News

National Aeronautics and
Space Administration

Washington, D.C. 20546
AC 202-453-8400

For Release:

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

FY 1989 BUDGET SUMMARY (Millions of Dollars)

	FY 1988	FY 1989
	-----	-----
RESEARCH AND DEVELOPMENT	3294.5	4446.7
-----	-----	-----
SPACE FLIGHT, CONTROL, AND DATA COMMUNICATION	3810.7	4841.2
-----	-----	-----
CONSTRUCTION OF FACILITIES	178.3	285.1
-----	-----	-----
RESEARCH AND PROGRAM MANAGEMENT	1743.0	1915.0
-----	-----	-----
TOTAL BUDGET SUMMARY	9026.5	11488.0
-----	-----	-----
OUTLAYS	9111.9	10977.7
-----	-----	-----
FULL-TIME EQUIVALENTS	22425	22950
-----	-----	-----

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

BUDGET SUMMARY
(Millions of Dollars)

	FY 1988	FY 1989
Space Research and Technology	223.6	390.9
-----	-----	-----
Research and Technology Base	108.4	134.1
CSTI	115.2	156.8
(Propulsion)	(23.8)	(46.7)
(Vehicle)	(15.0)	(28.0)
(Information)	(16.5)	(17.1)
(Large Structures and Control)	(22.0)	(25.1)
(Power)	(12.8)	(14.0)
(Automation and Robotics)	(25.1)	(25.9)
Pathfinder Program		100.0
Transfer Vehicle Technology		(14.0)
Humans-in-Space Technology		(13.0)
Exploration Technology		(17.0)
Operations Technology		(41.0)
Mission Studies		(15.0)
Transatmospheric Research and Technology	52.5	84.4
Safety, Reliability and Quality Assurance	14.1	22.4
Tracking and Data Advanced Systems	17.9	18.8
-----	-----	-----
SPACE FLIGHT, CONTROL, AND DATA COMMUNICATION	3810.7	4841.2
=====	=====	=====
Shuttle Production and Capability Development	1088.3	1400.5
-----	-----	-----
Orbiter	328.6	320.0
Propulsion	594.9	711.8
Launch & Mission Support	164.8	343.7
Changes & Systems Upgrade	0.0	25.0
Space Shuttle Operations	1838.0	2405.4
-----	-----	-----
Flight Operations	583.6	660.1
Flight Hardware	776.6	1035.2
Launch & Landing Operations	449.8	514.6
Expendable Launch Vehicles	28.0	195.5
Space and Ground Networks, Communications and Data Systems	884.4	1035.3
-----	-----	-----
Space Network	435.7	538.9
Ground Network	232.2	248.1
Communications and Data Systems	216.5	248.3

BUDGET SUMMARY
(Millions of Dollars)

	FY 1988	FY 1989
Space Applications	566.3	562.3
-----	-----	-----
Solid Earth Observations	74.3	82.1
-----	-----	-----
Payload & Instrument Development	20.8	25.3
Applied Research, Data Analysis and Related Activities	53.5	56.8
Environmental Observations	313.5	368.3
-----	-----	-----
Payload & Instrument Development	4.1	19.7
Applied Research, Data Analysis and Related Activities	100.2	108.1
Airborne Science & Application	21.9	23.0
Scatterometer	22.7	15.8
Upper Atmosphere Research Satellite	89.6	103.9
Ocean Topography Experiment	75.0	97.8
Materials Processing	62.7	73.4
-----	-----	-----
Space Communication	94.9	16.2
-----	-----	-----
Information Systems	20.9	22.3
-----	-----	-----
Commercial Programs	73.7	57.9
-----	-----	-----
Technology Utilization	17.7	19.1
Commercial Use of Space	56.0	38.8
Aeronautical Research and Technology	334.8	414.2
-----	-----	-----
Research and Technology Base	251.6	314.2
Systems Technology Programs	83.2	100.0
(Materials & Structures Research & Technology)	(8.8)	(29.2)
(Rotocraft Systems Technology)	(4.6)	(4.8)
(High-Performance Aircraft Systems & Technology)	(12.8)	(11.0)
(Advanced Propulsion Systems Technology)	(18.0)	(14.0)
(Numerical Aerodynamic Simulation)	(39.0)	(41.0)