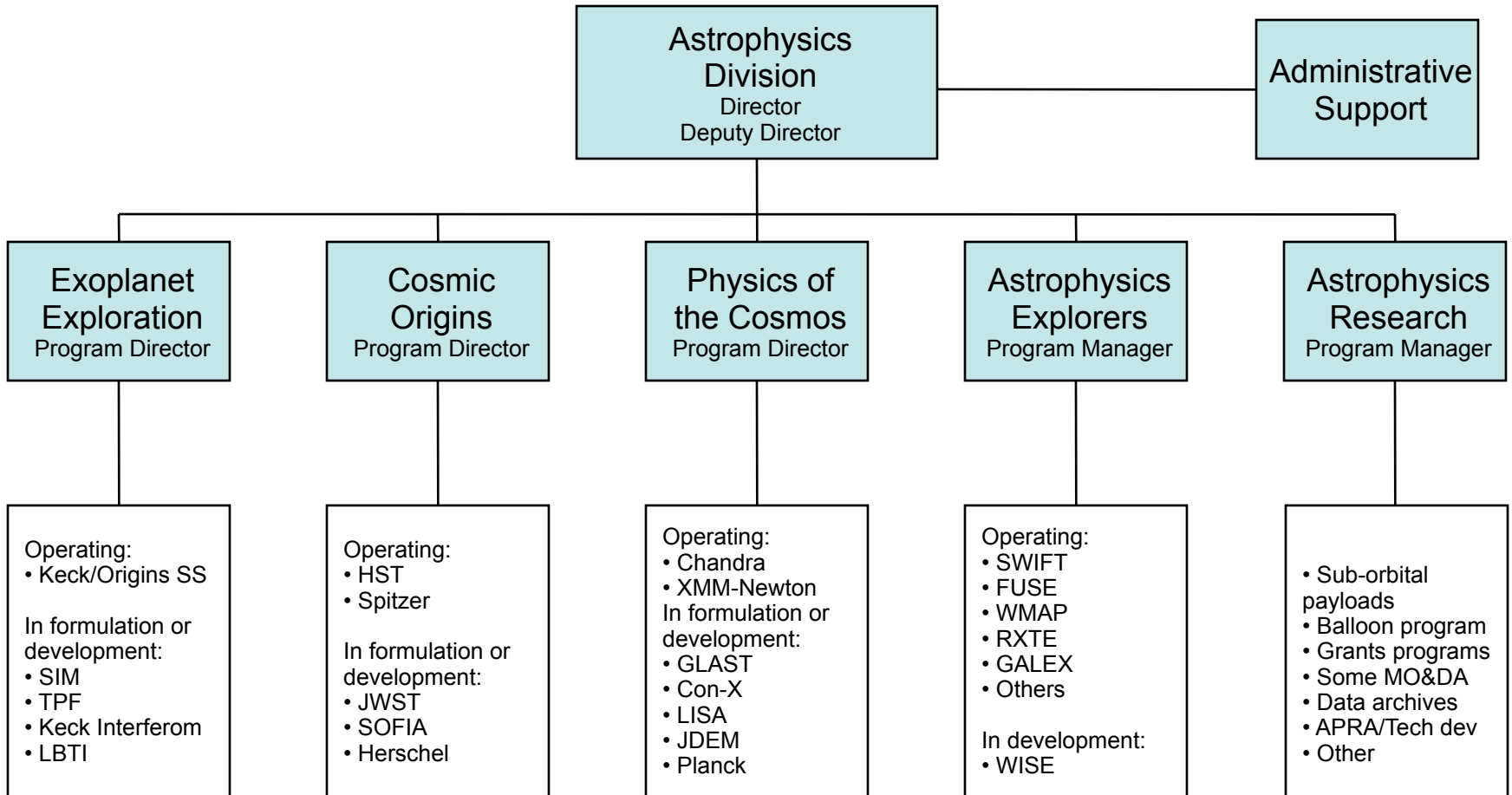


Cosmic Microwave Background: NASA Headquarters Perspective

Eric P. Smith
Infrared/Submm Discipline Scientist

Astrophysics Division Organization



- Program Execs and Program Scientists continue to staff individual projects and R&A
- Deputy DD supervises Program Execs and Admin Support
- Program Directors/Managers supervise relevant Program Scientists
- DD supervises Deputy DD and Program Directors/Managers

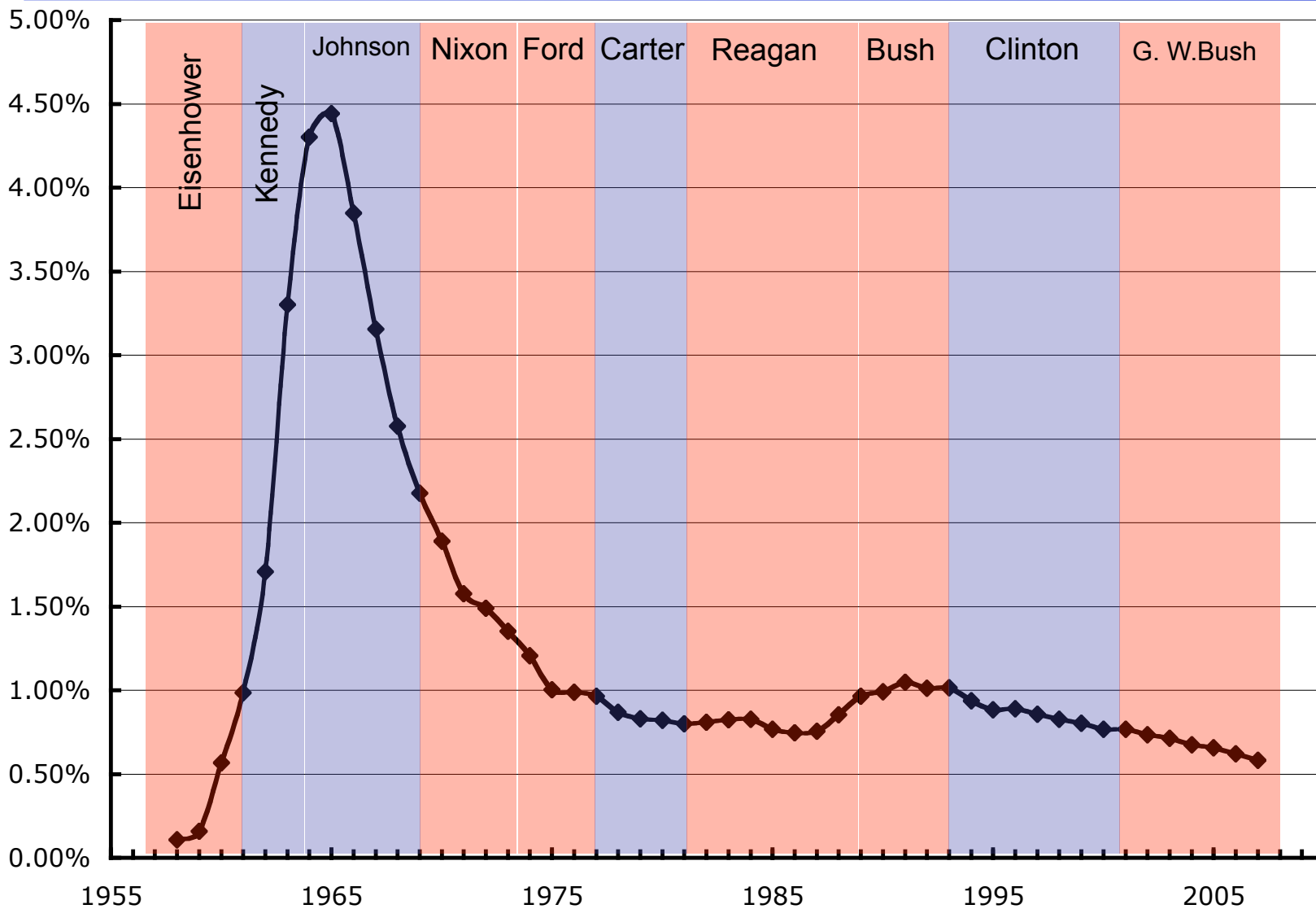
Astrophysics: Content of FY09 Budget

	* FY07	* FY08	FY09	FY10	FY11	FY12	FY13
FY09 President's Budget *	1,356.8	1,363.5	1,162.5	1,122.4	1,057.1	1,067.7	1,116.0
Physics of the Cosmos	196.5	157.2	157.0	219.8	249.0	271.1	326.0
GLAST	84.4	41.9	23.2	23.3	24.1	24.9	24.9
JDEM		3.7	8.5	63.0	83.0	109.0	125.0
LISA	6.5	5.7	5.7	15.9	18.7	26.7	35.0
Constellation-X	8.3	8.1	8.3	12.0	16.8	15.9	42.0
Chandra	58.6	62.9	65.0	67.8	68.5	50.2	48.9
XMM	8.6	7.4	7.0	7.4	7.6	8.5	8.5
Herschel/Planck & Other	48.4	27.6	76.1	56.6	54.5	59.9	64.7
Exoplanet Exploration	184.6	159.5	48.1	67.7	68.4	96.4	126.2
SIM	30.4	24.3					
Kepler	121.8	79.5	25.2	14.9	13.9	12.6	8.8
Keck Operations	2.8	2.8	2.9	3.0	3.1	3.2	
IPF/EXEP Tech	8.0	7.5	6.7	6.3	6.4	7.5	8.7
Future Exoplanet Missions	1.0	23.8	6.6	41.7	44.0	72.0	107.5
Other	20.6	21.6	6.7	1.8	1.0	1.0	1.2
Cosmic Origins	788.9	816.9	674.4	571.1	515.4	485.6	458.5
James Webb Space Telescope	398.6	447.4	371.9	311.1	265.1	236.1	194.9
Hubble Space Telescope	277.5	230.2	154.9	125.6	114.7	94.8	93.9
SOFIA	38.9	64.0	72.8	72.8	57.0	58.8	60.6
Spitzer	73.8	75.4	71.7	15.9	10.3	3.2	3.3
Astrophysics Future Missions			3.0	45.8	68.3	92.7	105.8
Astrophysics Explorer**	88.0	117.2	130.6	93.3	43.3	11.7	6.4
WISE	52.9	72.7	65.2	13.0	5.2	1.6	
NuSTAR		16.7	41.5	57.8	31.0	6.8	6.4
Operating Explorers (Swift, Suzaku, RXTE, GALEX, WMAP)	35.1	27.8	23.9	22.5	7.1	3.2	
Astrophysics Research	98.8	112.6	152.3	170.4	181.0	203.0	198.9
Research and Analysis	52.2	56.6	61.4	65.4	69.3	72.6	77.5
Balloons	22.2	24.0	24.6	26.7	28.8	32.4	33.2
ADCAR	9.0	12.6	12.8	13.4	17.7	33.5	24.3
Other	24.5	19.4	53.5	65.1	65.2	64.4	63.8

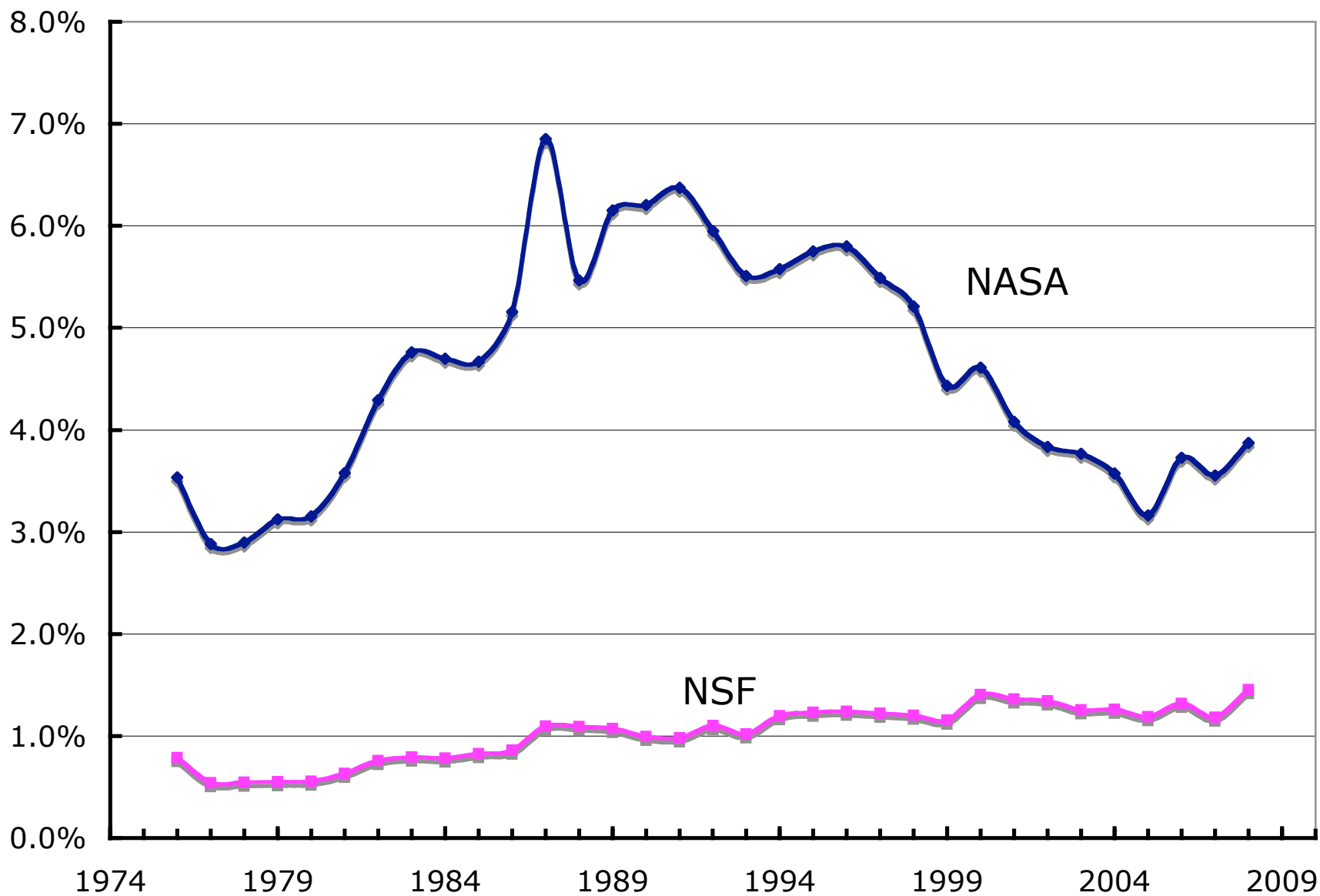
* FY07 and FY08 reflect latest proposed Operating Plan, in FY09 structure

** Future Explorer budget in Heliophysics.

NASA Percentage of Federal Outlays



NASA & NSF % Non-Defense Discretionary Spending





Recommended Community Goals

- Form a psuedo-Project Office for coordinating effort
- Develop compelling product(s) for upcoming decadal survey
- Establish clear technology plans consistent with Astrophysics Division budget