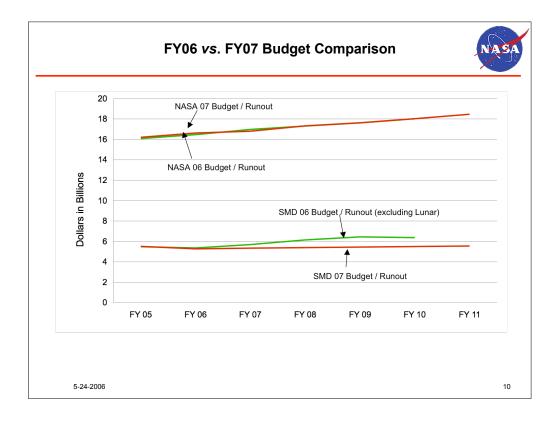
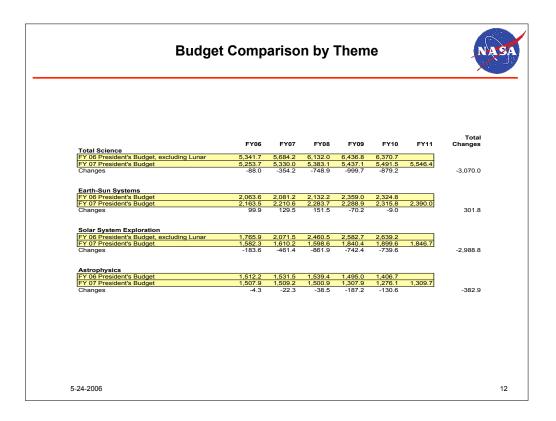


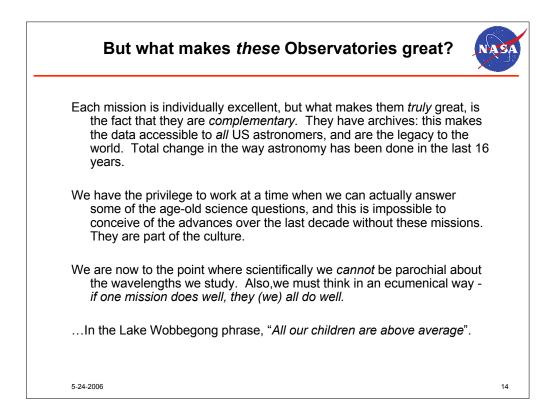
Astrophysics Division Operating Missions Status										
Launch/EOM		Mar	Apr	May	STATUS					
HST 4-25-90 (Extended) 2010		G	G	G	Battery charge tests on-going:analysis complete by July. Battery 2 tested with similar results to #6 (slight increase in capacity)					
Rossi XTE (Extended)	12-30-95 2-28-09	G	G	G						
FUSE (Extended)	6-24-99 9-30-08	G	G	G						
Chandra (Extended)	7-19-99 7-19-10	G	G	G						
XMM-Newton (Extended)	12-9-99 9-30-10	G	G	G						
HETE-2 (Ext-Extended)	10-8-00 12-31-05	G								
WMAP (Extended)	6-30-01 9-30-09	G	G	G						
Integral (Extended)	10-17-02 9-30-10	G	G	G						
GALEX (Extended)	4-28-03 9-30-10	G	Y	Y	FUV detector 'short" in channel, similar to last year's event started 3/30. Team cycling HV to recover operation.					
Spitzer (Prime)	8-25-03 5-25-06	G	G	G	Safe mode occurred 5/8 when star tracker saturated on v. bright object (V $\sim$ 1.8) Recovery finished up 5/12 without incident. Bright object checking instituted. 51 hrs					
GP-B (DA mode)	4-20-04 8-30-05	G	G	G						
Swift (Prime)	11-20-04 9-30-10	G	G	G	Swift in safe mode May 5-7 due to star tracker anomaly (cause understood)					
Suzaku (Prime)	7-9-05 9-30-10	G	G	G						

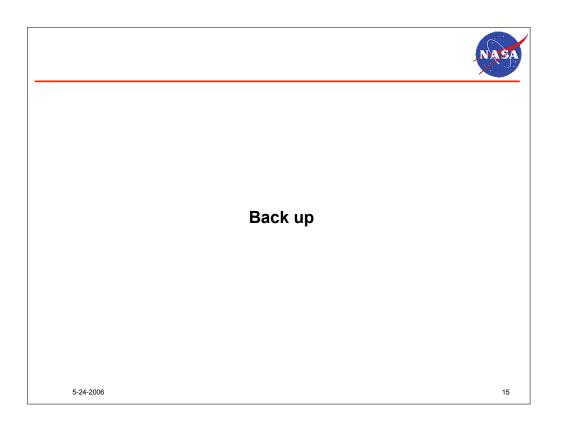


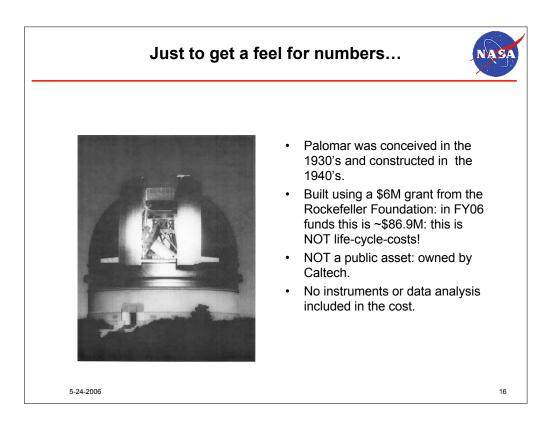
	FY 05	FY 06	FY 07	FY 08	FY 09	FY 10	FY 1
Total NASA	\$16,196.4	\$16,623.0	\$16,792.3	\$17,309.4	\$17,614.2	\$18,026.3	\$18,460.4
Science Solar System Exploration Astrophysics Earth-Sun System	\$5,501.6 \$1,720.5 \$1,474.9 \$2,306.2	\$5,253.7 \$1,582.3 \$1,507.9 \$2,163.5	\$5,330.0 \$1,610.2 \$1,509.2 \$2,210.6	\$5,383.1 \$1,598.6 \$1,500.9 \$2,283.7	\$5,437.1 \$1,840.4 \$1,307.9 \$2,288.9	\$5,491.5 \$1,899.6 \$1,276.1 \$2,315.8	\$5,546.4 \$1,846.3 \$1,309.3 \$2,390.0
Exploration Systems Constellation Systems Exploration Systems R & T Human Systems R & T	\$2,209.3 \$422.3 \$898.9 \$888.1	\$3.050.1 \$1,733.5 \$692.5 \$624.1	\$3,978.3 \$3,057.6 \$646.1 \$274.6	\$3,981.6 \$3,067.6 \$632.2 \$281.8	\$4,499.8 \$3,612.9 \$605.1 \$281.8	\$5.055.9 \$4,083.8 \$679.2 \$292.8	<u>\$8,775.</u> \$7,698.4 \$764.6 \$312.1
Aeronautics Research	\$962.0	\$884.1	\$724.4	\$731.8	\$732.4	\$722.8	\$722.7
Space Operations Space Shuttle International Space Station Space and Flight Support (SFS)	\$7,114.4 \$5,049.2 \$1,591.3 \$473.9	\$6.869.7 \$4,777.5 \$1,753.4 \$338.8	\$6,234.4 \$4,056.7 \$1,811.3 \$366.5	\$6,680.4 \$4,087.3 \$2,200.3 \$392.8	\$6,442.3 \$3,794.8 \$2,255.6 \$392.0	<u>\$6,242.9</u> \$3,651.1 \$2,197.1 \$394.7	<u>\$2,896.7</u> \$146.7 \$2,360.8 \$389.2
Inspector General	\$31.3	\$32.0	\$33.5	\$34.6	\$35.5	\$36.4	\$37.3
Cross-Agency Support Programs Education Theme Advanced Business Systems (IEMP) Innovative Partnership Programs Shared Capability Assets Program	\$377.8 \$178.9 \$0.0 \$198.9 \$0.0	\$533.5 \$162.4 \$156.3 \$214.8 \$0.0	\$491.7 \$153.3 \$108.2 \$197.9 \$32.2	\$497.9 \$152.4 \$106.9 \$205.5 \$33.1	\$467.1 \$153.1 \$73.8 \$206.2 \$33.9	\$476.8 \$154.0 \$78.5 \$209.7 \$34.7	\$482. \$153. \$80.6 \$212.9 \$35.5



	FY06	FY07	FY08	FY09	FY10	FY11	
FY 07 President's Budget	1,507.9	1,509.2	1,500.9	1,307.9	1,276.1	1,309.7	
Navigator	145.5	128.1	170.6	276.9	261.6	347.0	
SIM	117.0	98.5	139.0	236.2	222.5	302.2	
Keck Interferometer / Single Aperture	9.6	10.2	9.6	8.4	7.0	7.0	
TPF Corporate / Other	3.4 15.5	19.4	22.0	32.3	32.1	37.8	
James Webb Space Telescope	364.0	443.1	492.6	380.9	353.0	305.0	
Hubble Space Telescope	268.6	336.7	302.2	161.4	120.3	138.5	
Development	166.5	216.2	178.9	55.0	45.4	45.7	
Operations and Data Analysis Corporate	87.0 15.1	102.0 18.5	106.0 17.3	97.0 9.4	68.0 6.9	85.0 7.8	
Colporate	13.1	10.0	17.5	5.4	0.9	7.0	
Stratospheric Observatory for Infrared Astronomy (SOFIA)	48.0						
Gamma-ray Large Space Telescope (GLAST) Discovery (Kepler / Corporate)	125.9 137.5	85.4 100.8	25.2 69.9	28.8 13.8	29.3 13.4	30.4 13.0	
		100.0	03.5		10.4	10.0	
Explorer (Universe) WISE	85.4	67.6 53.9	86.1 71.7	56.7	19.0	4.6	
WISE Swift, Suzaku	69.7 10.9	53.9	9.5	44.8 8.6	8.8 9.1	4.3	
Corporate	4.8	3.7	4.9	3.3	1.1	0.3	
Universe Research	305.8	306.6	309.2	297.4	288.9	259.6	
Research and Analysis	65.1	54.4	54.0	56.0	53.9	55.9	
Chandra	58.4	63.0	65.1	64.7	65.1	65.0	
Spitzer	74.3	76.6	75.7	71.7	66.4	35.9	
Other Missions / Data Balloons	68.1 22.8	71.2 24.5	70.8 25.8	59.2 28.5	58.4 28.8	59.2 29.0	
Corporate / Other	22.8	24.5	25.8 17.8	28.5	28.8	29.0	
ISSC (Herschel / Planck)	13.0	19.6	23.6	38.9	38.5	36.3	
Beyond Einstein	14.1	21.2	21.4	53.0	152.2	175.4	







## A happy story of Government funding!



- When proposed in the early 1970's the cost was estimated to be \$76M.
- The final cost on completion in 1978 was ~\$78.4M (RY) (This is now \$276.6M in FY06!)
- We got it right!
  - Why?
    - No "new" technology
    - Ground-based
    - THE priority instrument of the decade



5-24-2006

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