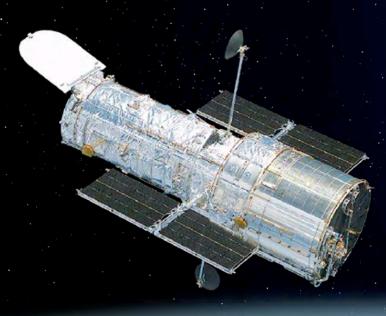


Space Telescope Science Institute

Director's Report October 2007





- STUC Issues
- Science and highlights
- The Challenges
 - SM4
 - Budget and Staffing
- Multi-cycle treasury programs
- Lunar Science initiative

STUC Issues

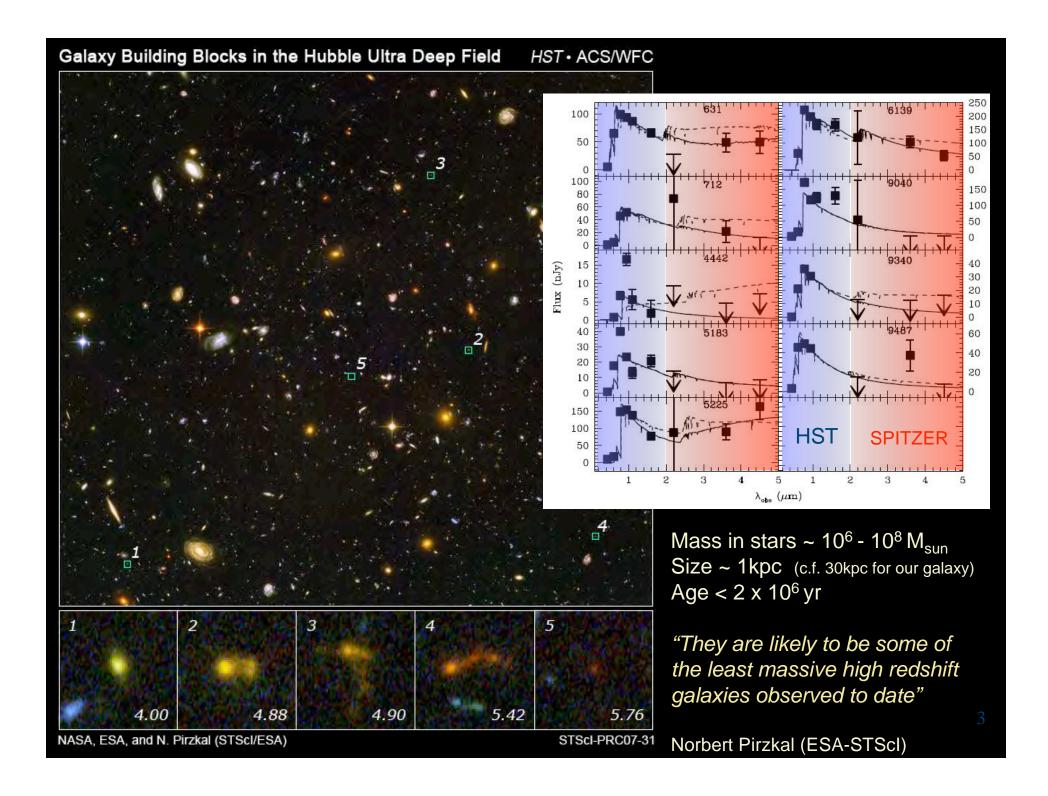
■ HST & SM4

- August 7, 2008 is the new STS 125 launch date
- EVA priorities "look ok"

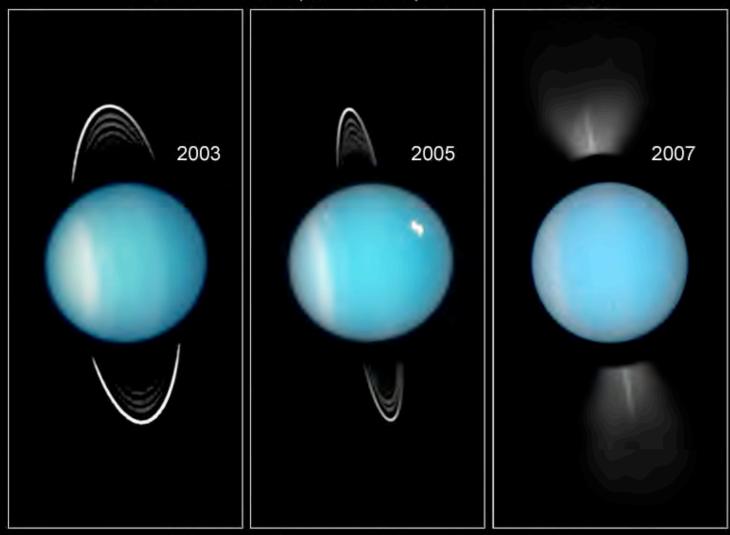
"Thank the STUC on behalf of the division and SMD for their efforts at looking into the SM-4instrument repair prioritization. We appreciate the hard work and the strong scientific cases that were made for both STIS and ACS."

Jon Morse

- Budget
- Hubble Legacy Archive (HLA)
- Early Release Science the process
- New initiatives
 - Multi-cycle Treasury Programs
 - Lunar Science "pump priming"



Uranus ■ Hubble Space Telescope ACS/HRC WFPC2



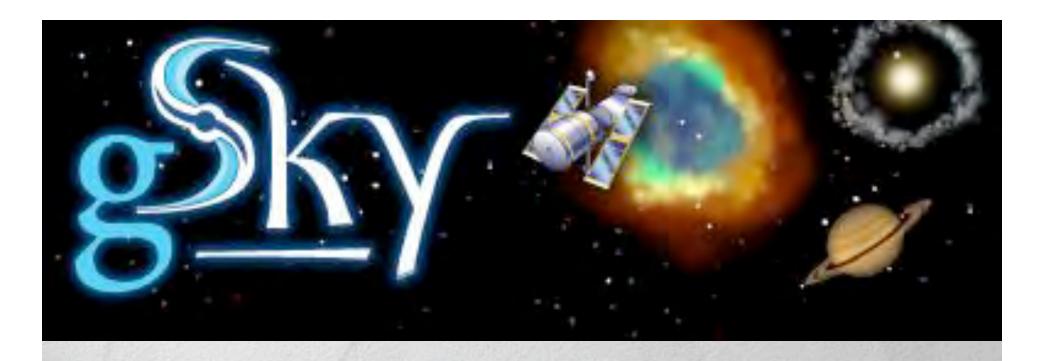
NASA, ESA, and M. Showalter (SETI Institute) - STScI-PRC07-32



NASA, ESA, and The Hubble Heritage Team (STScI/AURA) • Hubble Space Telescope WFPC2 • STScI-PRC07-33b

Opus - 5 August 2007 I LOVE THESE SUMMER EVENING IT WAS THERE THAT'S THE DEEP WITHIN REALITY CHECKS FROM PORTION OF THAT DOT OLIVER! THE NIGHT SKY OF DARK HOLD OUT A AT WHICH THEY NOTHINGNESS SPECK OF SAND POINTED THE TEN BILLION AT ARM'S LENGTH ... HUBBLE LIGHT YEARS TELESCOPE DISTANT - THAT FOR A WEEK. THEY POUND THE UNEXPECTED! GALAXIES! THOUSANDSI THOUSANDS ... WITH BILLIONS OF STARS! ... AND TRILLIONS OF NEW WORLDS. AND BEYOND THOSE ... MORE! ALL IN THE SPACE WHICH NICELY FRAMES OF A SINALE ARAIN WHAT WHAT'S THE THE QUESTION MAN HAS OF SAND ON THE VAST CENTER OF QUESTION? BEEN ASKING FOR BEACH OF THE COSMOS. IT ALL? MILLENNIA.

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YET ANOTHER REASON TO GET GOOGLE EARTH

Hubble Teams With Google to Bring The Cosmos Down to Earth

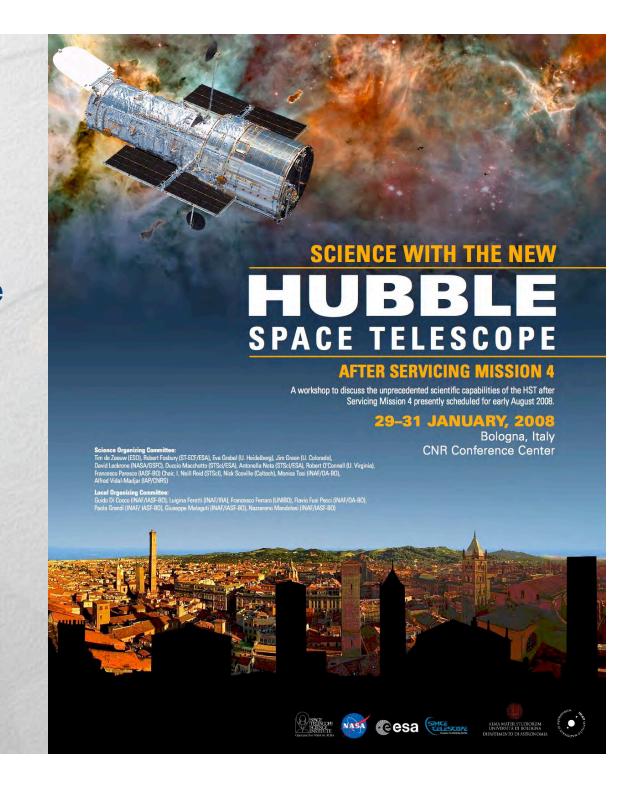
"Imagine cruising the heavens from your desktop and seeing all the spectacular images from NASA's Hubble Space Telescope. Exploding stars and faraway galaxies are just a mouse click away through Sky in Google Earth. Sky in Google Earth is produced by Google, the company that hosts the popular Internet search engine, through a partnership with the Space Telescope Science Institute in Baltimore, the science operations center for Hubble. To access the new feature, users will need to download the newest version of Google Earth, available free of charge."



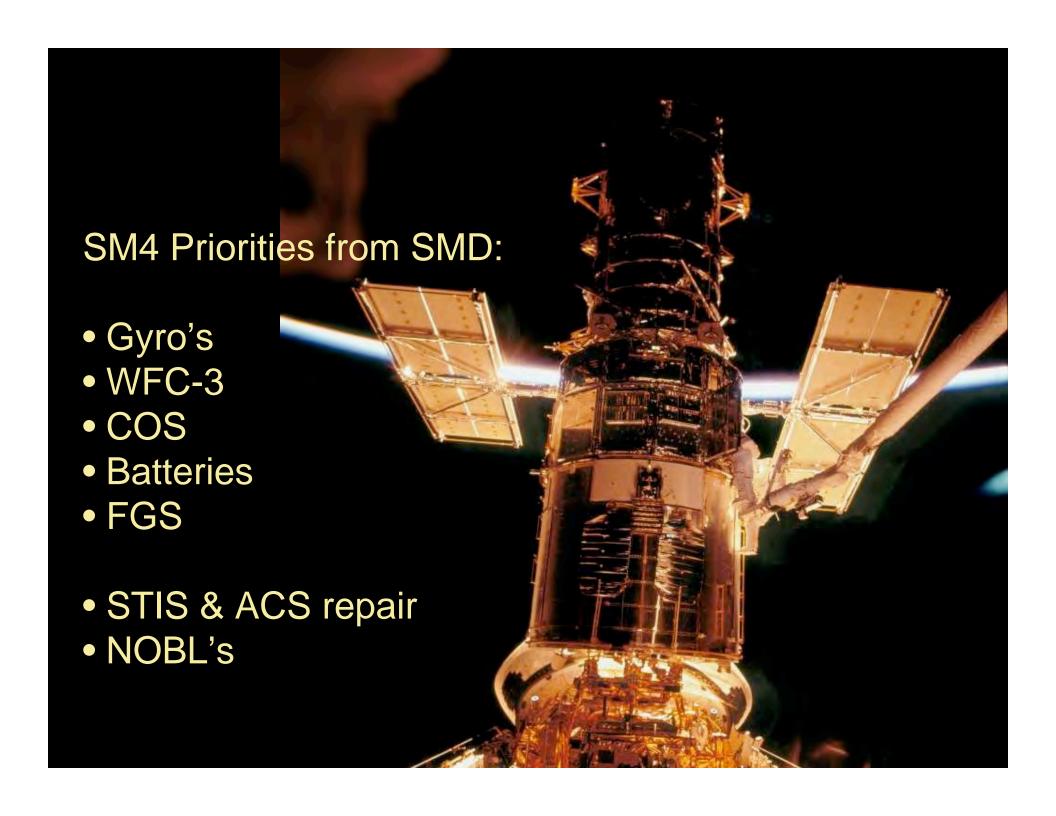
launched 22August 2007

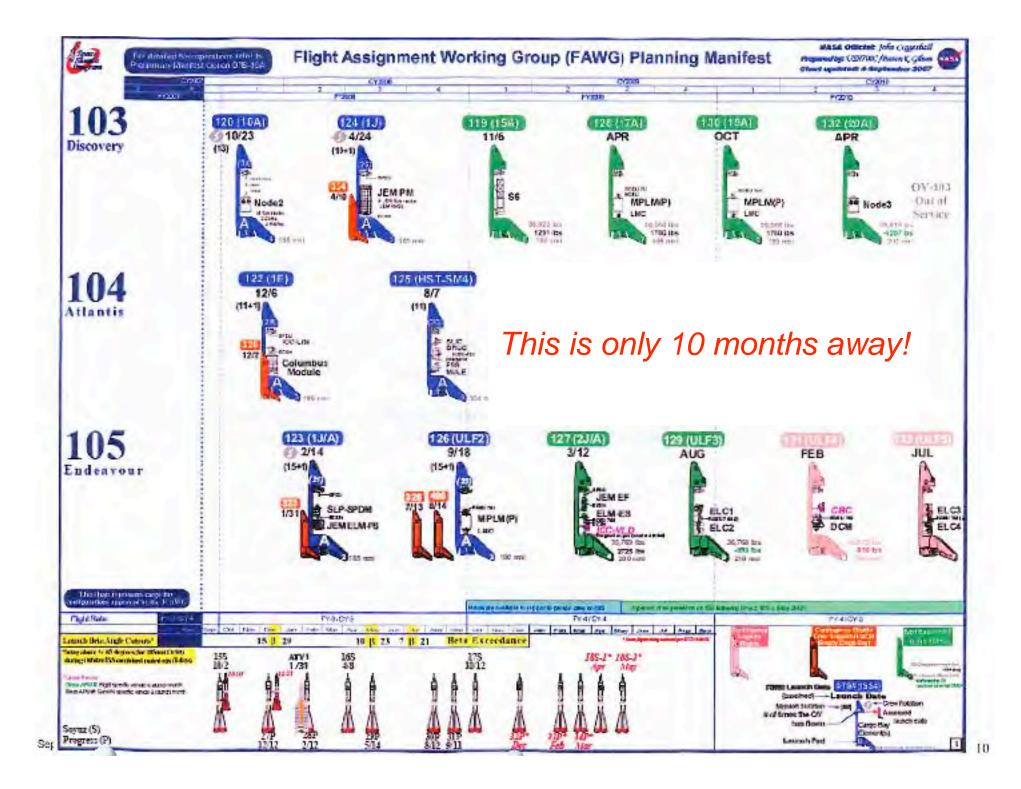
A Workshop to raise awareness in Europe on the expanded scientific capabilities of Hubble after Servicing Mission 4

29-31 January 2008 Bologna, Italy



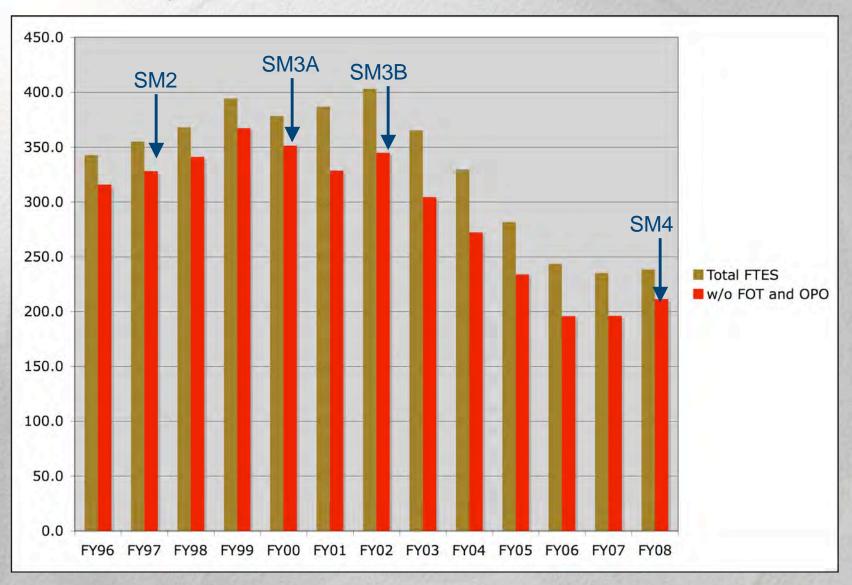


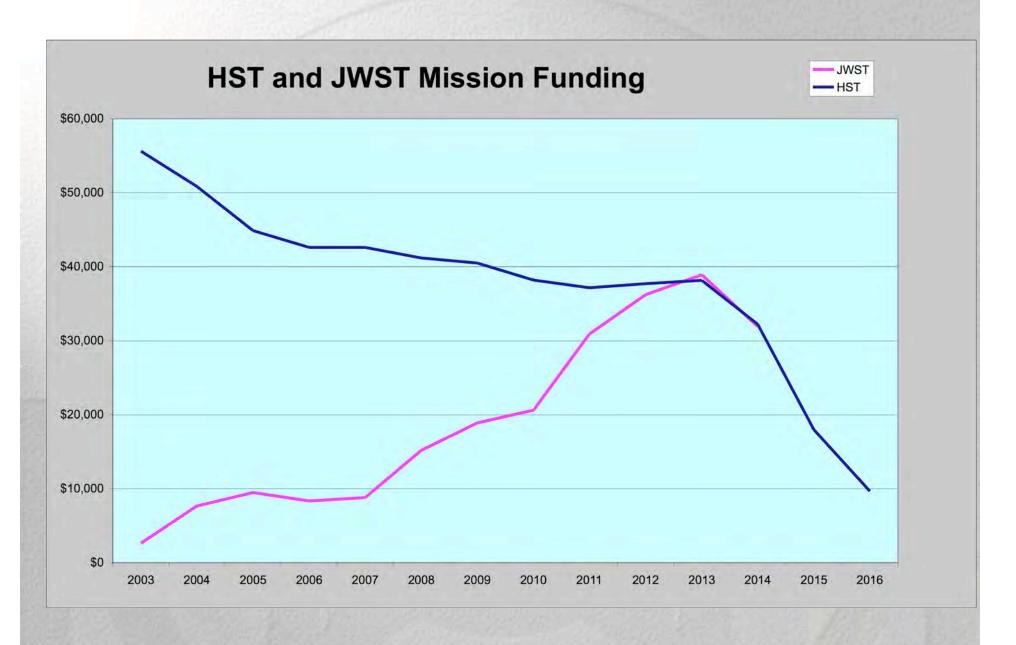




Budgets and Staffing

Staffing Trend

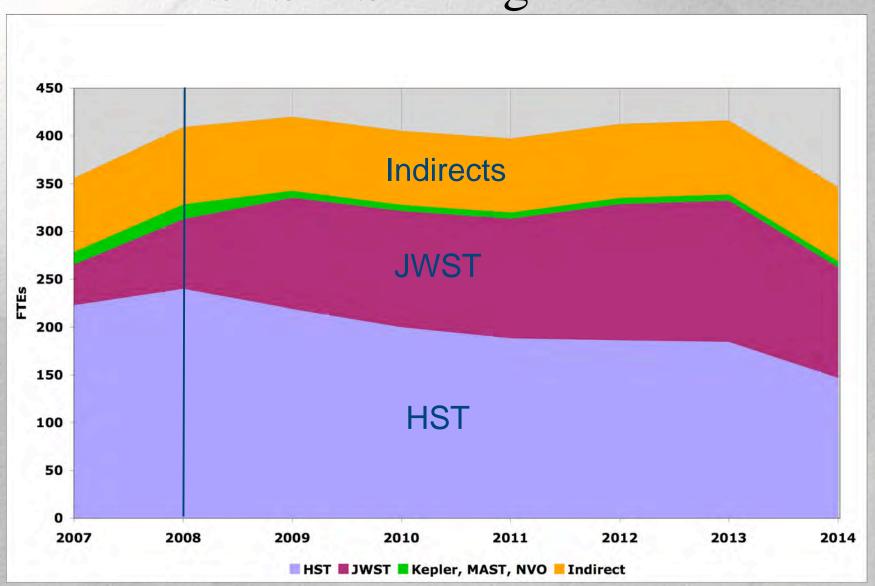




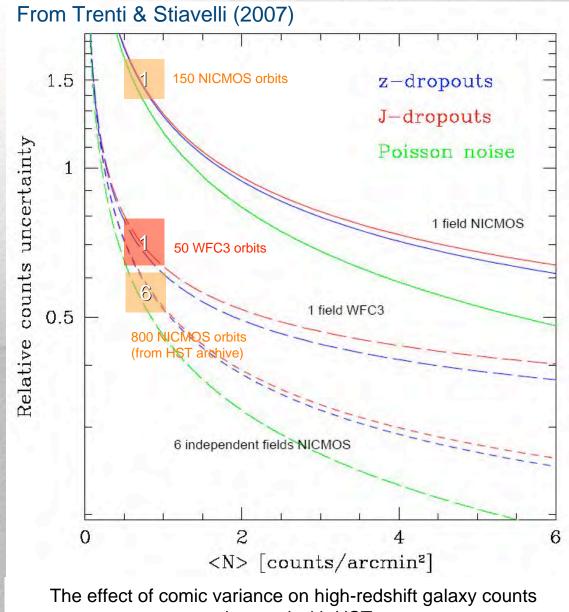
STScI Mission Operating Budgets

	2005	2006	2007	2008
HST	\$44.9M	\$42.6M	\$44.5M	\$42.6M
			(incl. I/F upgrades)	(inc. HLA)
JWST	\$9.4M	\$8.4M	\$8.5M	\$15.2M
Other	\$1.9M	\$3.0M	\$3.0M	\$2.9M
Missions	\$1.9WI	\$5.0101	\$5.0101	\$2.9WI
Total	\$57.4M	\$54.0M	\$56.0M	\$60.7M

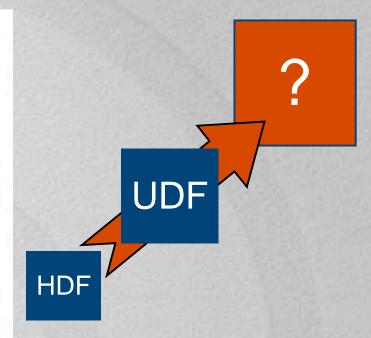
STScI Staffing Profile



Multi-cycle treasury programs



observed with HST

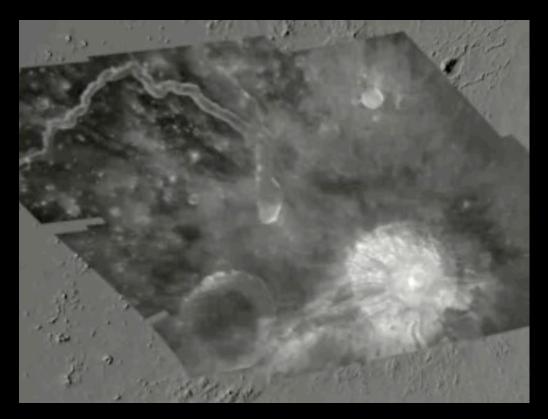


Time to break the cycle:

"and now for something completely different"

- solicit direct community input
- use the TAC
- leverage the best ideas with DDT

http://www.stsci.edu/institute/org/spd/HST-multi-cycle-treasury



Is there a Lunar Science community we are not serving?

- Issue call for White Papers
- Allocate ~30 orbits DDT in Cycle 18
- NASA SMD will cover additional costs (scheduling, visiting scientist)

"Hubble's exquisite resolution and sensitivity to ultraviolet light, which is reflected off the Moon have enabled the search for minerals that may be critical for the establishment of sustained human presence on the Moon"

- Garvin et al 2005

