

COS SI Testing and Delivery

- **SI formally delivered to HSTP in May**
 - ◆ **N₂ purge alignment and NUV throughput testing pre- and post-ship**
 - ◆ **No effective alignment changes**
 - ◆ **Stored in clean room at GSFC**
 - ◆ **GSFC assumes responsibility for semi-annual functional testing after delivery**
 - ◆ **Next round of testing: late Nov 2004**
 - ◆ **All throughput data archived at STScI**



STScI COS Effort

- **Thermal-Vac Data Processing**
 - ◆ **Re-ingested T-V data with updated keywords**
 - ◆ **Initial Verification of CALCOS functionality for flatfielding, spectrum extraction, spectrum combination**
 - ◆ **Keyword dictionary prepared**
- **Completed TIR on Cumulative Exposure Image (FUV/NUV) and Pulse-height map (FUV)**
- **Completed ISR on high voltage transients in FUV detector and operational responses - Friedman (STScI), Brownsberger(IDT)**
- **FASTEX Standards Paper (Bohlin, Leitherer) in progress**
- **Deferred all SMGT, SMOV4, User Support effort**

COS SI Issues

- **Optic Select Mechanism drift characterized in testing at Ball and CU**
 - ◆ **Both thermal and mechanical components are present**
 - ◆ **No hardware amelioration planned**
 - ◆ **Must be corrected to achieve design resolution in many cases**
 - ◆ **Rely on operational correction procedure**
 - ◆ **Applies to time-tag only; requires lamp exposures during science**
 - ◆ **Algorithm described and procedures outlined**
 - ◆ **Requires extensive STScI ground system work to implement**
 - **Knowledge and expertise is presently available at STScI**
 - ◆ **Full requirements development during FY05**

Additional COS Pictures

