

## HST INS Work Item Data Sheet

1. SI/Title: WFPC2/Close-Out Projects
2. INS Lead: J. Biretta
3. Description of Work:

Includes diverse range of projects to enhance value of WFPC2 legacy. Projects might include photometric history of the instrument, CTE history, efforts to mitigate/correct CTE effects, studies of long-term instrument issues (radiation damage, dark current evolution, etc.).
4. Schedule Constraints and Dependencies:

Needs to be completed prior to de-orbit of WFPC2, nominally Dec. 2007.
5. Risks and Open Issues:

Risk – Some items may not result in final products due to difficulty of the problem, and the effort would be lost. Mitigation: consider the items carefully before proceeding.
6. Priority: Medium/High
7. Priority Justification:

WFPC2 will represent much of the enduring legacy of HST. Desire is to improve the calibration where possible, and upgrade science products if feasible
8. Resources (including estimated calendar duration for each portion):
  - a. Requirements  
WFPC2 Instrument Scientist
  - b. Development  
WFPC2 Instrument Scientist (Biretta; 8 – 10 weeks)  
WFPC2 Data Analyst (16 – 24 weeks)  
STSDAS Developer (1 – 2 weeks)
  - c. Testing  
WFPC2 Instrument Scientist (Biretta; 8 – 10 weeks)  
WFPC2 Data Analyst (16 – 24 weeks)
9. Documentation and Deliverables:

Calibration ISRs  
CDBS Reference File(s) Updates  
SYNPHOT Updates  
STSDAS/CALWFPC2 Code Delivery  
WFPC2 Instrument Handbook Updates  
WFPC2 Data Handbook Updates