

HST INS Work Item Data Sheet

1. SI/Title: WFPC2/WF4 Bias Anomaly
2. INS Lead: J. Biretta
3. Description of Work:
Study possible causes, impacts on science data; look into strategies to mitigate and fix. Coordinate any work by GSFC or JPL to study hardware issues. Possibly develop scripts or software to repair images. Identify impacted images and notify observers.
4. Schedule Constraints and Dependencies:
Study of causes and mitigation should be done ASAP. Notification of impacted GOs should happen during Fall 2005. Efforts to repair images could extend over FY06 and FY07.
5. Risks and Open Issues:
Risk – Some possibility that further instrument degradation might be avoidable if we act fast, though this is unknown at present.

Open Issue – Is an STSDAS task necessary to fix a subset of the images?
6. Priority: High
7. Priority Justification:
WFPC2 instrument health and safety issue.
8. Resources (including estimated calendar duration for each portion):
 - a. Requirements
WFPC2 Instrument Scientist (Biretta; 8 weeks)
WFPC2 Data Analyst (2 – 4 weeks)
INS Instrument Engineer (Wheeler; 1 week)
 - b. Development
STSDAS Developer (2 weeks)
 - c. Testing
WFPC2 Instrument Scientist (Biretta; 1 week)
WFPC2 Data Analyst (1 week)
9. Documentation and Deliverables:
Anomaly Reports, as necessary
STAN Article(s)
STSDAS Code Delivery