

HST INS Work Item Data Sheet

1. SI/Title: STIS/CCD External Sparse Field CTE Monitor
2. INS Lead: L. Dressel
3. Description of Work:

This activity involves the analysis of the last two epochs of the *External* Sparse-Field CTE monitor calibration program. These data bear directly on the influence of CTE effects to the accuracy of point source photometry and spectroscopy. The analysis has been described by Goudfrooij & Kimble in the Proceedings of the 2002 HST Calibration Workshop. The results will also be compared to those derived from the physical model of CTE loss of the STIS CCD by P. Bristow of the ST-ECF (see below). This activity will involve writing two ISRs, and it will also be used in the final version of a manuscript on the CTE performance of the STIS CCD, to be submitted to PASP.
4. Schedule Constraints and Dependencies:
5. Risks and Open Issues:
6. Priority: High
7. Priority Justification:
8. Resources (including estimated calendar duration for each portion):
 - a. Requirements
STIS Instrument Scientist
 - b. Development
STIS Instrument Scientist
CDBS Administrator
 - c. Testing
STIS Instrument Scientist
CDBS Administrator
9. Documentation and Deliverables:

Calibration ISR
CDBS Reference File Delivery
Test Report