

HST INS Work Item Data Sheet

1. SI/Title: STIS/GO Wavecal Association
2. INS Lead: C. Proffitt(?)
3. Description of Work:

This activity involves the development and implementation of a system within OPUS and the archive that automatically associates STIS GO wavecal (i.e., wavecal inserted by STIS GO's in their Phase-II proposals, which typically happens when they were allowed to forego the default automatic insertion of wavecal) with the appropriate science spectra, so that retrieval of the latter data will automatically attach the GO wavecal to them. (Currently, only science data are returned (*no wavelength calibration is performed by the pipeline*), and the GO will need to issue a second archive query to find the GO wavecal based on the proposal/visit combination of the science data. Note also that if a calibrated spectrum is made without a proper wavecal, then serious errors in the wavelength and flux scales can result.) It can be foreseen that this activity would be performed in concert with association-related activities for other HST instruments.
4. Schedule Constraints and Dependencies:
5. Risks and Open Issues:
6. Priority: Medium
7. Priority Justification:

Completion of this task will make the job of wavelength calibration easier for GOs and Archival users.
8. Resources (including estimated calendar duration for each portion):
 - a. Requirements
STIS Instrument Scientist(s)
 - b. Development
Archive Developer
 - c. Testing
STIS Instrument Scientist
STIS Data Analyst
Archive Test Engineer
9. Documentation and Deliverables:

Archive Code Delivery
STIS Data Handbook Updates