

HST INS Work Item Data Sheet

1. SI/Title: NICMOS/Supershading
2. INS Lead: A. Koekemoer
3. Description of Work:

This work item would consist of the selection and analysis of external images containing bright sources (position dependent?) with the result being a relationship between source brightness (and number?) and shading characteristics. The relationship will then be coded to confirm that the shading is correctable and then ported into STSDAS/Pyraf/CALNICA and tested.
4. Schedule Constraints and Dependencies:

This work should be scheduled before the work on flat-field improvements.
5. Risks and Open Issues:

Risk – The characteristics of the relationship are unknown(?) and may prove to be intractable.
6. Priority: Low
7. Priority Justification:

The improvements to the photometric accuracy are incremental, and there is some risk that the attempt will be unsuccessful.
8. Resources (including estimated calendar duration for each portion):
 - a. Requirements
NICMOS Instrument Scientist
NICMOS Data Analyst
 - b. Development
NICMOS Data Analyst
CALNICA Developer
 - c. Testing
NICMOS Data Analyst
CALNICA Test Engineer
9. Documentation and Deliverables:

Calibration ISR
CALNICA Code Delivery

Anton – Much of this may very well be fiction, as I don't feel like I know enough about what the problem is. Please read this carefully so we can make sure it is accurate. It's fun to write fiction occasionally!