

# HST INS Work Item Data Sheet

1. SI/Title: Multidrizzle/Improved Distortion Corrections
2. INS Lead: A. Koekemoer
3. Description of Work:

Update the current version of Multidrizzle to incorporate better distortion corrections. First, the accuracy of the current corrections needs to be assessed, along with potential sources of the inaccuracies. Then, if necessary, the software will be modified to correct the identified deficiencies. Any software changes, and their resulting improvements in the accuracy of the distortion correction, will be documented in the instruments' Data handbooks.
4. Schedule Constraints and Dependencies:
5. Risks and Open Issues:
6. Priority: High
7. Priority Justification:

Better distortion corrections will improve the photometry of objects based on drizzled data, as well as improving astrometry from those images.
8. Resources (including estimated calendar duration for each portion):
  - a. Requirements  
Instrument Scientists
  - b. Development  
STSDAS Developer
  - c. Testing  
Instrument Scientists  
Data Analysts  
STSDAS Test Engineer
9. Documentation and Deliverables:

STSDAS Code Deliveries  
OPUS Pipeline Code Deliveries  
Data Handbook Updates  
Regression test Updates