

HST INS Work Item Data Sheet

1. SI/Title: COS/TagFlash DMS Implementation
2. INS Lead: Dave Soderblom
3. Description of Work:

Establish the pipeline requirements and algorithms for processing TagFlash exposures. Determine the interface requirements with the Planning and Scheduling System (PSS; QEKEYWORD, support schedule data). Define keywords for the output data products. Determine requirements for associating TagFlash exposures with wavecals, plus the interface with the Archive. Implement all of these requirements in the respective software subsystems, and test the implementations.
4. Schedule Constraints and Dependencies:

Full-up testing requires data obtained from the instrument itself, preferably taken using the mode as defined by the PSS. This implies that the TagFlash PSS Implementation work needs to be ready for COS Thermal Vac.

Must be ready at launch; desire to be available at COS Thermal Vac.
5. Risks and Open Issues:
6. Priority: Medium to High
7. Priority Justification:

Capability needed to demonstrate that the instrument meets its resolution requirements.
8. Resources (including estimated calendar duration for each portion):
 - a. Requirements
COS Instrument Scientist
 - b. Development
CALCOS Developer
TRANS Developer for QEKEYWORD and support schedule
 - c. Testing
COS IDT
COS Instrument Scientists
CALCOS Tester
TRANS Tester
9. Documentation and Deliverables:

Requirements Document
Keyword Dictionary Updates
Test Report
CALCOS Code Delivery
TRANS Code Delivery

