

## HST INS Work Item Data Sheet

1. SI/Title: WFC3/Exposure Time Calculator Development
2. INS Lead: J. MacKenty/ESA
3. Description of Work:
  - Determine and document the requirements and algorithms for the WFC3 ETC.
  - Implement the ETC in the APT code, based on the ACS implementation, and test the code for correctness and usability.
4. Schedule Constraints and Dependencies:
  - Not able to be worked in FY06, but needed in advance of the Cycle 17 Call for Proposals (October 2007).
5. Risks and Open Issues:
6. Priority: High
7. Priority Justification:
  - ETC is needed to support proposal preparation by GOs, and for SMOV and ERO proposals.
8. Resources (including estimated calendar duration for each portion):
  - a. Requirements
    - WFC3 Instrument Scientist(s)
  - b. Development
    - APT Developer
  - c. Testing
    - WFC3 Instrument Scientist(s)
    - APT Tester
9. Documentation and Deliverables:
  - Requirements Document
  - ETC Code Delivery
  - Test Report