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