HST INS Work Item Data Sheet

1. SI/Title: NICMOS/Bohlin Effect Investigation

2. INS Lead: K. Noll

3. Description of Work:
   Investigate the origin of the Bohlin Effect (photometry differences between short and long exposures) and devise a correction algorithm for it. Implement the correction into the stand-alone STSDAS package, and eventually migrate it to the pipeline.

4. Schedule Constraints and Dependencies:

5. Risks and Open Issues:
   Open Issue – The cause of the effect is not known with certainty, and must be determined before any software can be written.

   Risk – The effort to correct the problem is not known, and could be high.

6. Priority: High

7. Priority Justification:
   Uncorrected, the effect can affect scientific conclusions based on NICMOS data.

8. Resources (including estimated calendar duration for each portion):
   a. Requirements
      Instrument Scientists

   b. Development
      STSDAS Developer
      CALNICA Developer

   c. Testing
      STSDAS Test Engineer
      CALNICA Test Engineer
      Instrument Scientst
      Data Analyst

9. Documentation and Deliverables:
   NICMOS ISR(s)
   STSDAS Code Deliveries
   CALNICA Code Deliveries
   Data Handbook Updates