HST INS Work Item Data Sheet

1. SI/Title: NICMOS/Autoflush Off Implementation

2. INS Lead: K. Noll

3. Description of Work:
   If the test of the autoflush OFF for temperature stability is successful, then it will need to be implemented into the NICMOS commanding. The precise nature of the work depends critically on the accepted solution, but is likely to involve Commanding changes and FSW changes.

4. Schedule Constraints and Dependencies:
   The capability should be implemented sooner rather than later in order to gain maximum utility for the remaining NICMOS usage (NICMOS no longer used after WFC3 installed).

5. Risks and Open Issues:
   Open Issue – The on-orbit test data still needs to be analyzed.

   Risk – Some recalibration of NICMOS data may be required.

6. Priority: High

7. Priority Justification:
   Improving temperature stability will reduce the noise in the NICMOS data, improving the science quality.

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

   b. Development
      Commanding Developer
      FSW Developer
      TRANS Developer

   c. Testing
      Commanding Developer
      Commanding Support
      Instrument Engineer
      Instrument Scientist or Data Analyst
      TRANS Test Engineer

9. Documentation and Deliverables:
   Commanding Code Deliveries
   TRANS Code Deliveries
   Data Handbook Updates