HST INS Work Item Data Sheet

1. SI/Title: NICMOS/Staypuft

2. INS Lead: A. Koekemoer

3. Description of Work:
   Translate the IDL code to Python and incorporate it into a stand-alone tool in the nicmos package, then implement it as a switch in the CALNICA pipeline code. Write a test plan, specifying the data to be used, and develop a regression test suite. Perform tests of the Python code and the IDL code. Update the NICMOS Data Handbook with the procedure for correcting the data.

   This is a two-phase project: develop the stand alone tool and release it to the community for feedback, then implement the tool in the pipeline.

4. Schedule Constraints and Dependencies:
   This work is ready to be scheduled.

5. Risks and Open Issues:
   Open Issue – Include this as a switch in the CALNICA pipeline code?

6. Priority: High

7. Priority Justification:
   This change corrects an electronic noise source in NICMOS images that include a bright object.

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

   b. Development
      STSDAS Developer
      CALNICA Developer
      NICMOS Data Analyst

   c. Testing
      NICMOS Data Analyst

9. Documentation and Deliverables:
   STSDAS Code Delivery (PyRAF Code Delivery?)
   CALNICA Code Delivery
   NICMOS Data Handbook Update(?)