

September 10, 2008 – NPP FM5 Reports

CERES RDR Processing

- The preprocessor code is being rewritten to read RDRs via references in the metadata, thus allowing granules of different version number to be handled correctly. This rewrite is mostly complete. Preliminary testing against VIRS RDRs has demonstrated some small differences with the control books in regards to format (but nothing major). On the expectation that the Toolkit will be available for use in the next few days, full testing will occur over the next two weeks. With little work left to do, work will then cease for four to five weeks to finish work on the ADA/C++ code conversion project. Attention will then return to the preprocessor. (Alford)

VIIRS Radiance/Geolocation Subsets

- Attended and gave a presentation in delta CDR. (Chen, Sun-Mack)
- Added channels: M5 (0.6 μ m), M10 (1.6 μ m), and M12 (3.7 μ m) in M pixel sampling. (Chen, Sun-Mack)

VIIRS Aerosol Reader

- No report received.

Toolkit Issues

- No report received.

Telecon/eRoom/Meeting

- Attended the Data Format Working Group bi-weekly telecon. Topic of note was discussion on the Smart Requests system, which provides subscription services for data management. The system will be briefed at the next telecon. (Closs)
- Attended the Science Data Segment bi-weekly telecon. It was announced that the NPP Mission Operations Review (MOR) will be held November 18-21 at NSOF in Suitland, MD. The SDS part of the MOR will likely be ~2 hours. Agenda is pending. (Closs)

System Engineering/Management Topics

- Submitted SDS level 3 requirements for inclusion in the SDS Requirements Specification document. CERES revisions to the requirements document are currently under review. (Closs)

- Discussed and received concurrence on SDS testing strategy with Vic Buczcowski. Schedule calls for formalizing CERES test requirements in October, with testing beginning in February 2009. (Closs)
- Reviewed Engineering Change Order (ECR) 782A, which calls for comments on the second release of CDFCB-X volume 6. Volume 6 includes CERES APID Telemetry files and Solar Ephemeris data. (Closs)
- Reviewed Engineering Change Order (ECR) 780B, which calls for comments on the preliminary release of CDFCB-X volume 2. Volume 2 includes the CERES manifest on NPP, and CERES RDRs. (Closs)
- Reviewed the CERES Software Coding Guidelines and provided feedback to Dale. (Ayers)