

August 13, 2008 – NPP FM5 Reports

CERES RDR Processing

- Attended the Aug 5th Roadshow meeting at Goddard and had discussions with Mike Linda and Karen North. Created list of possible recoverable problems that may occur within RDRs and corresponding solutions. Now working on C++ conversion of instrument code. It is expected that this will be completed with fewer lines of code than currently exists. (Alford)

VIIRS Radiance/Geolocation Subsets

- No report received.

VIIRS Aerosol Reader

- No report received.

Toolkit Issues

- Met with Chris Harris and others. Plan is to go with Toolkit Version 5.2.15. Several software options were suggested to Dale, but if none of them work it is still an option to install another version of the toolkit. Version 15 will only be installed on *magneto*, and will be timed to not interfere with PGEs currently in production.

Telecon/eRoom/Meeting

- Jim Closs and Ashley Alford traveled to Goddard August 5 to attend an NPP IDPS status update meeting. The meeting had an attendance of about 30 people from GSFC, NOAA, IPO, NGST, and Raytheon. (Closs)
- The focus of the meeting was to present the capabilities, plans and schedules for the IDPS as related to the NPP Science Data Segment (SDS). (Closs)
- Northrop Grumman and Raytheon Data Managers gave overviews of several components of the IDPS, including the Data Format Control Books, system security, data throughput, spacecraft operations, and integration and test status. Of particular interest to CERES is the issue of obtaining sample Raw Data Records from the IDPS. There is a formal process for requesting data from the IDPS, and we hope to get it before the January to April 2009 timeframe. It was also reported that NGST has hired a CERES Operations Analyst, which will help with a dedicated resource for FM5 integration and operations. Overall the meeting was a success, and there are no significant risks with the CERES team in its integration efforts with NPP. (Closs)
- During the monthly Aqua telecon, it was reported that the production of VIIRS aerosols was uncertain because of ongoing problems with the sensor and algorithms. It is likely that aerosol data will be produced at some point, but that its quality will be suspect. (Closs)

- The Data Formats Working Group and IIDCO telecon were cancelled due to conflicts with the IDPS Roadshow and other meetings. (Closs)

System Engineering/Management Topics

- Reviewed, edited, and formatted the NPP Working Agreement. (Ayers, Saunders)
- Contributed to, reviewed, edited, and formatted the CERES Software Management Plan. (Ayers, Saunders)
- A version of the CERES Science and Data Products Working Agreement was sent to signatories for their approval. (Miller)