

## October 22, 2008 – NPP FM5 Reports

### CERES RDR Processing

- The week of Oct. 13th I attended the HDF-EOS workshop. This was a very informative and useful meeting. Details will be provided in the trip report.(Alford)

### VIIRS Radiance/Geolocation Subsets

- No report received.

### VIIRS Aerosol Reader

- No report received.

### Toolkit Issues

- No report received.

### Telecon/eRoom/Meeting

- Attended the SDS bi-weekly telecon, and reported on FM5 requirements status, attendance at the IDPS F2F meeting, and the HDF-EOS workshop. Bob Schwiess ran through the MOR SDS charts in preparation for the MOR chart flip. (Closs)
- Attended the operations and SDS sections of the NPP MOR chart flip. No significant CERES issues were raised, but it was noted that a staffing plan still needs to be provided for the charts. A dress rehearsal for the MOR will be held Nov. 5-7 at GSFC. (Closs)

### System Engineering/Management Topics

- A detailed plan is being developed for the migration of CERES DMT Subsystem components through testing and readiness for operations from the SGIs to the *magneto* cluster, running first on the currently available P4 processors, and then on the P6 processors after they have been installed, configured, and are available for testing. Complicating the plan is the migration of the Ada code in the Instrument Subsystem from the SGIs to the Linux processors and the availability, usability, and accuracy of a Linux-based Ada compiler. Further complications arise from the parallel effort to convert the Ada code to C++, the testing and verification of the data products produced, and the targeted switch-over dates from the Ada-based Instrument Subsystem to the C++ version. (Bodden)
- The external drives ordered for the CERES Team have been delivered to SSAI and are being distributed. Drives range in size from 1TB to 4 TB with either fire wire or USB connectivity depending on the host computer. These drives are intended to be used as a backup for key data sets and for local data storage. (Bodden)

## **System Engineering/Management Topics (Continued)**

- Brian Magill, a replacement for Mohammed has been hired and will start Nov. 3 as a member of the CERES DMT. (Bodden)
- Costing for the CERES FM-5 Task is in progress for FY 2009 and needs to be completed and approved by Oct 31st. Current direction from NASA is that the task will be fully funded for currently approved FM-5 activities. (Bodden)
- Finalizing the Software Coding Guidelines. (Ayers, Saunders)
- Expecting updates to the Requirements Specification document in preparation for review. (Ayers, Saunders)
- The CERES Science and Data Products Working Agreement with Rev1 changes was approved by all stakeholders. (Miller)
- Finalized the SDS level 3 requirements count with Bob Schwiess and Vic Buzscowski at 24. The SDS requirements/testing scorecard will be updated in preparation for the MOR. Next step is to apply test plans to the requirements. (Closs)
- Reviewed and edited the CERES SDS Requirements Specification document. Final editorial polish being made in preparation for internal review. (Closs)
- Commented on SDS MOR RFA concerning VIIRS calibration LUTs. No organization has been formally assigned with ongoing responsibility for these LUTs, but the CERES team must have a role regardless of who has primary responsibility. (Closs)

## **Upcoming Meetings**

- Instrument Preship Review (PSR), NGST, Redondo Beach, CA, Oct. 30. (Bodden)
- Instrument Readiness Review (IRR), Ball Aero, Aurora, CO, Nov. 7th. (Bodden)
- CERES Science Team Meeting, GISS, New York, NY, Oct 27-30. (Bodden)
- NPP Mission Operations Readiness Review, NSOF, Suitland, MD, Nov. 18-20. (Closs)