

July 29, 2009 – NPP FM5 Reports

CERES RDR Processing

- New test data was received from IDPS. This data was run through the RDR preprocessor software; however, the preprocessor software is unable to read the new datasets. The software was moved to the new AMI system on a P6 to attempt to read the file using the newest Toolkit 5.2.16v1; however this was also not successful. An error stating that a dimension equal to zero was found and the value also being zero was reported in the QC report log. This is the same message that was received when processing the one file received from the ground EEO. (Cooper)

VIIRS Radiance/Geolocation Subsets

- Received certain portion of VIMD files. (ASDC).
- Communicated to ASDC and Goddard Land PEATE. (Sun-Mack)
- Reviewed and validated the VIMD files produced from Land PEATE. (Chen)
- Two minor issues:
 - (1) The VIMD files we received were not compressed.
 - (2) The file names were NPP_VIMD_SS.A instead of NPP_VIMD_SS.S.It's possible the above two issues are related, meaning once VIMD files are compressed, the file names will be changed to NPP_VIMD_SS.S. Communicated to Land PEATE to clarify this issue and waiting for the reply. (Sun-Mack)

Toolkit Issues

- No report received.

Telecon/eRoom/Meeting

- Attended the July 22 SDS Telecon. No slide materials were distributed, and the dominant topics were sample data usage experiences and the ICT 4 (SDS-CLASS) test. PEATEs are reporting a wide variety of feedback with the new release of sample data, with the most common comment being inability to read the data with existing IDL and other software. Several PEATEs were able to retrieve data from SD3E as part of the ICT 4 'soft' test, which was held in place of an indefinitely postponed formal ICT test. (Closs)
- An IICDO telecon was held July 21 to discuss the adequacy of VIIRS safeguards to detect corrupted and discarded packets. Did not attend due to irrelevance of topic and conflict with FM5 Residual Risk Review. (Closs)

System Engineering/Management Topics

- Coordinated new SDS functional test dates with SDS test lead Bob Rodriguez. The scheduled TRR is September 10, with testing on September 14. Reviewed the SDS requirements verification matrix to ensure accurate CERES requirements and verification methods. (Closs)

- Asked Jim to get the signatures from the ASDC folks and the folks in B1250 for the Requirements Specification document. Once those are obtained, I'll get the DMT signatures, add the signed Stakeholder-Commitment Sheet to the PDF version of the document, and post it on the Web. (Ayers)
- See [Table 1](#) for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow [Table 1](#). (Ayers)

Upcoming Meetings

- No report received.

Table 1. SCCR Activity June 1 at 5:00 p.m. – July 27 at 2:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
715	X					1	3	
717	X					1	4	

S=Submitted; U=Updated; A=Approved; C=Closed; D=Disapproved; SS=Subsystem

CERES Software Configuration Change Request Submittal

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Subsystem: Instrument SCCR Date & TIME: 2009-07-02 15:40:43 SCCR No.: 715

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Reqt. #1-30: Update PGE CER1.1P7 to properly convert the instrument health and status data for FM5.

Reason for Change (non-Science):

Reqt. #1-30: The existing instrument health and status data conversion routines do not properly convert the instrument data.

This causes the converted radiances to be invalid.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem:

CER1.1P7

Estimated Time to Complete Change: 1 month

Planned Delivery Date: July 31, 2009

List Affected Subsystems and PGE Names: None

Originator: COOPER, DENISE L. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: Instrument SCCR Date & TIME: 2009-07-02 15:46:35 SCCR No.: 717

Parameter Change: () YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
Req. #1-32: Update PGE CER1.1P7 for NPP-FM5 to run on the x86 platform.

Reason for Change (non-Science):
Req. #1-32: Update the PGE to work on the x86 platform.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem:
CER1.1P7

Estimated Time to Complete Change: 1 month
Planned Delivery Date: Late Fall 2009
List Affected Subsystems and PGE Names: Instrument, CER1.1P7

Originator: COOPER, DENISE L. (SSAI)