

May 6, 2009 – NPP FM5 Reports

CERES RDR Processing

- No report received.

VIIRS Radiance/Geolocation Subsets

- Received the final tar file of Land PEATE working version of sub-sampler software. The NPP sub-sampler delivery is completed. (All).

Toolkit Issues

- No report received.

Telecon/eRoom/Meeting

- The DFWG telecon scheduled for April 28 was cancelled. (Closs)
- Attended the semi-annual CERES Science Team meeting April 28-30 in Newport News. Kory Priestley reported on the status of CERES FM5 and FM6. (Closs)

System Engineering/Management Topics

- The Test Readiness Review for ANGe v1.3 (ISCCP and FM5 Prototype) was held April 23, 2009. No RFAs were issued and approval to begin formal testing was granted. ANGe v1.3.0b1 was dropped on April 27, configured and installed in the Functional Test Environment, and passed the automated Build Acceptance Test on April 30. Testing of new features and specific fixes is underway. This will include two specific test cases for the LandPEATEto ASDC PDR-PAN interface. (Rinsland)
- Mike Little presented the ASDC status at the CERES Science Team Meeting on April 28, 2009. (Rinsland)
- Delivered Detailed Requirements Traceability Test Procedure sheets to the ASDC in preparation for SDS functional tests May 19-21. Also scheduled a pre-Test Readiness Review for May 6. (Closs)
- The Instrument delivery of the NPP-enabled PGE CER1.1P7 (SCCR 702) was installed on *warlock*, compiled, tested, and released to the ASDC on April 22. The Instrument Test Plan and Operator's Manual were updated for this delivery and provided to the ASDC. (Ayers, Saunders)
- The redelivery of the Instrument pre-processor (CER1.0P2) has been installed and compiled on *magneto-P4*. It is currently being tested. The Instrument Test Plan and Operator's Manual were updated for this delivery. (Ayers, Saunders)
- The Instrument delivery of NPP C++ Build 1 (CER1.1P8) is expected once the documents are finalized for the pre-processor delivery. (Ayers)
- Input was provided for Table 4-4 of the ICD. (Ayers)
- The CERES Science Requirements Specification is being finalized. (Ayers, Saunders)

- 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 April 20 at 2:00 p.m. – May 4 at 2:30 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
702	X		X			1	3	
709			X			1		Pre-processor redelivery.
710	X					1	6	

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

CERES Software Configuration Change Request Submittal

=====

Subsystem: Instrument

SCCR Date: 02/19/2009

SCCR Number: 702

Parameter Change: () YES (X) NO

Description of Change (Science):

Req. # 1-29:

Update the existing Ada code to support processing for NPP-FM5.
This will create new PGE CER1.1P7.

Update CER1.2P1 to allow FM5 as a valid instrument.

Reason for Change (Science):

Req. # 1-29:

The Ada code will act as a back-up should the C++ conversion be delayed and not ready to support NPP pre-launch tests.

CER1.2P1 may require small updates to allow support for FM5, these updates should be minimal if necessary.

Description of Change (non-Science):

Req. # 1-29:

Add new ASCII file and PCF generators for new PGE CER1.1P7.

There is a possibility that this delivery will be delayed to also add support for the PGEs to run on the new x86 platform for production.

Reason for Change (non-Science):

Req. # 1-29:

New generators needed to support the new PGE.

Updates to the code are needed to support running the PGEs on the new x86 platform. If it is determined that this delivery can be delayed until the x86 is available, then updates to the PGEs will be made to support the little-endian platform. And the code will be delivered to both warlock and the x86.

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:

New CER1.1P7 and CER1.2P1

Estimated Time to Complete Change : 2 wks

Planned Delivery Date : March 13, 2009

List Affected Subsystems and PGE Names: Instrument, possibly ERBE-like PGE that reads the Pre-ES8

Date: 04/06/2009 Status: Submitted

Originator: COOPER, DENISE L. (SSAI)

=====
ADDITIONAL CHANGES TO SCCR NO. 702:
=====

Parameter Change: () YES (X) NO

Description of Change (Science):

CER1.2P1 will not be delivered with this SCCR.

Reason for Change (Science):

CER1.2P1 updates for NPP still being tested

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

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: None
Planned Delivery Date: 4/20/09
List Affected Subsystems and PGE Names: None

Date & Time: 2009-04-22 13:49:42

Originator: COOPER, DENISE L. (SSAI)

CERES Software Configuration Change Request Submittal

=====

Subsystem: Instrument SCCR Date & TIME: 2009-04-23 17:14:24 SCCR No.: 710

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Reqt # 1-29

Update ASCII and PCF file generator to accept NPP data.

Reason for Change (non-Science):

Reqt # 1-29

NPP proxy data will be delivered as part of a formal test in May and delivering the Pre-ES8 to ERBE-like is part of this test.

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:

CER1.2P1

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 4/27/09

List Affected Subsystems and PGE Names: CER1.2P1

Originator: COOPER, DENISE L. (SSAI)