

Minutes for the September 5, 2012, CERES Processing Oversight Board Meeting

Meeting began at 1:00 p.m. in the Business Development conference room at 1 Enterprise.

Meeting Notes

There were no comments or questions on the minutes from the last meeting.

Announcements

The Fall 2012 CERES Science Team meeting will be held jointly with the GERB and ScaRaB Science Team meetings at GFDL (Princeton, NJ) the week of October 22 - 24. Forrest Wrenn will be joining the DMT working with Raja.

Open Action Items

1. Discuss the ISCCP-D2like-FlxDay/Nit file names with Dave Doelling. (2/16/11 – Jonathan)
2. Provide answers to Raja's questions she emailed recently. (3/16/11 – Jonathan)

FM5 Status

All FM5 data has been received without any issues. At some point, reporting of FM5 will become part of the normal Terra/Aqua reporting instead of being a separate agenda item. Timing for the change will be after the Edition1-CV for NPP-FM5 is officially released. An issue with spikes in the radiance data for NPP-FM5 is being investigated. The issue is only related to FM5 and does not affect Terra or Aqua processing. The Instrument team is investigating whether CER1.1P8 needs to be updated, or if a delta delivery of ancillary data files will fix the issue. An SCCR will be written once the cause of the issue is known.

SCCR Discussion (SCCRs that have been submitted or updated since the last meeting)

TISA Gridding 888 – The software will not be delivered to run in production, the SCCR will be disapproved.

CERESlib 898 – Since SCCR 888 is being disapproved, this SCCR will also be disapproved.

TISA Gridding 897 – The software will not be delivered to run in production, the SCCR will be disapproved.

Clouds 927 – The x86 version of this PGE was found to have uninitialized variables. This was fixed and the routine was moved to CERESlib, however it did not work correctly once it was moved to CERESlib. There appear to be memory issues, which are being investigated. Once the issues are fixed, they will be moved to the *AMI* CERESlib to ensure the updates fix the current issues before being delivered to *AMI-P*. Delivery is scheduled for October.

Clouds 928 – Clouds updates for migrating the snow & ice PGE from *magneto* to *AMI-P*.

There were no issues identified, so these SCCRs will be approved/disapproved.

Systems

The Level-0 back-up server is being set-up temporarily in Rm 2203. Moving the server to its permanent location may require a change in the IP Address, so the request to SDS to add this to their access list will be made after the machine is in its permanent location. The server should be set-up and available in the temporary location within the next couple of weeks.

The permanent location is being worked on and it may take up to a month for the room to be available for installation of the server. Nelson will be contacted once the server is set-up, so that he may begin adding all of the necessary software to handle processing of Level-0 data on this server.

Status of Open SCCRs

917 – One minor issue remains and should be resolved soon. MATCH files should be delivered in the next few days to support this SCCR. Updates to existing MATCH files will require that these files be delivered directly to *AMI-P*, instead of copying existing files from *magneto* to *AMI-P*.

912 – Nelson has the updated scripts to review. Once he has reviewed them, Victor can complete his testing. On schedule for delivery on September 14.

918 – Rita comfortable with P6; issues have arisen with the x86 version. Thomas will look at the scripts after investigating 1.1P8 problem.

914 – On schedule for delivery on October 26.

913 – On schedule for delivery on November 16.

915 – On schedule for delivery on December 14.

916 – On schedule for delivery on December 14.

877 – On schedule for delivery on January 11.

919 – On schedule for delivery on February 22.

Jonathan asked Cathy to create a new SCCR for the TISA-Averaging delivery, which has an estimated delivery date at the end of September. Cathy said that she needed more input from Dave Doelling before she can write the SCCR. Cathy was asked to create the SCCR and add updates as she gets more information.

Additions to the Posted Reports

Toolkit

All permission issues have been resolved.

CERESlib

The Toolkit 18 version is now available on *AMI-P*.

Perl_Lib

The new AJSS driver updates have been submitted to Perl_Lib on AMI and at this time, no issues have been reported by any of the subsystems. The `--sync` option is available and will allow all jobs submitted to complete before continuing.

CERES Processing System

No updates to status report.

Instrument

Edition1-CV processing for NPP-FM5 should wait until the current issue with DAC updates not being properly processed in all cases for FM5 is resolved and a new delivery of CER1.1P8 or a delta delivery of FM5 ancillary data is made. All existing Edition1-CV for NPP will need

to be reprocessed once a new delivery is made. The instrument team is hoping to find the root cause of the issue in the next few weeks.

The C++ version of the Solar/Lunar angle software, which creates web pages and data used to create plots on the web has been completed and has been handed over to Dianne Snyder for her testing before switching to this new version of the software.

ERBE-like

Only Terra+Aqua Edition3 data products should be released to the public.

The Edition4 investigation shows near-nadir results differ from nadir-only results. This is still being investigated.

It was discovered that the x86 version of CER2.4P1 matches the previous SGI version of the software. The P4/P6 version of the software is the one that has the issues talked about at the last CPOB meeting. No Edition3 data was processed on the magneto (P4). The instrument team will have to determine which of the Edition3 data will need to be reprocessed after the PGE is rerun on the x86 to create the SCCs. The P6 version is being worked on to fix the issues, however, a delta delivery to update the scripts to allow only x86 processing can be made, if required. Waiting for ValR27B to be processed to complete the validation of the x86 version before making any type of delivery to fix the issue.

Clouds

Sunny is at UMETSAT this week, no updates to status report.

Convolution

Comparisons between the old and the new GCC compilers show a 35% decrease in runtime when the software is compiled using the new compilers.

Walt is working on a script to look through the MODIS and IES data to create the list of expected failures for Clouds processing. This is a time intensive effort and even with the script, the results will need to be reviewed before they can be forwarded to ASDC operations.

Inversion

No updates to status report.

SARB

Working on creating MATCH files for CER5.0P2 delivery for June 2010 thru December 2011.

TISA Gridding & GGEO

Dave Doelling wants to eliminate the Weeder program and preprocess the data by hand before it is delivered. Investigations to automate looking for bad data have not produced a viable algorithm, which means that the data must be processed by hand before being delivered from the SCF. This will eliminate the need to run the Weeder program.

TISA Averaging

Working on SSF 1-degree Edition3. Cathy has asked for more space in her home directory.

Jonathan asked if she could meet with he and Walt after the meeting to discuss her request.

Production Processing Database/Automation

Adding the last set of corrections in today and then the database will be moved to the production area. A meeting will be held after Tammy gets back from vacation to discuss how to deliver this via cm_move to ensure that it is put under CM control.

CERES Websites

Working on the ERBE-web now. Work is going slowly, but progressing.

CERES Ordering Tool

Working with the Clouds group to find remaining requirements for the Cloud validation software.

Almost done with creating attributes for the SYN data.

FM5

No updates to status report.

Meeting ended at 1:46 p. m.