

01/09/2008 CERES Data Management Team Meeting

Upcoming Events:

May 6-8, 2008 CERES Science Team Meeting in Newport News City Center

Notes from the previous meeting (12/12/2007)

ANNOUNCEMENTS:

There will be no meeting on Dec 26th; reports do not need to be posted. The next meeting will be on Jan 9th; please have those reports include activities since this meeting.

ASDC:

The operational disk space is at 96%. Lisa plans to begin removing data that's also in the archive to make additional space.

Lindsay has an Instrument-related user (science) question which he will forward to Kory.

Jimmy is staging 6 TB of Edition2B SSF for a user.

There was some discussion regarding the "slowness" of the daacget and daacl commands. Sue asked that folks send email to her describing problems with retrieving data from the archive. Chris said that they are setting up a different machine with a dedicated gateway for daacget/ls which will, hopefully, be in place by tomorrow. Archive mount to *magneto-data* was having issues coexisting on *magneto*.

Ricky reported daacget error makes it very difficult to retrieve needed files. If Ricky needs a large amount of data, it was suggested he send list of files to Jimmy and request Jimmy stage them.

The StorNext archive backups that run at night are failing. ASDC is working with the vendor.

Sue requested that when folks send email to Jimmy Rowe that they please "cc" her and/or Chris so they know what's going on.

Chris said that *magneto* has been okay since powered back up yesterday; specifically, *mag 501* and *503* are okay; use them for testing. *mag 502* is questionable.

There was a power situation. The UPS couldn't support the entire ASDC systems, so parts of *magneto* were cut-off. This did not affect *magneto-data*.

The CERES automation meetings with the subsystem teams are not complete. 4 of the 7 working groups have met with Jeff. There are still some fine-tuning issues to take care of.

SCF:

There was no SCF report available on the Web for today's meeting.

insanity will be taken down on Friday, Dec 21st in the morning; it should be back in operation sometime on Saturday.

Need to get UTC pole updates working on Macs. Currently not an issue, but could become one.

There has been no word on TK5.2.15 from ECS. Jim Donaldson has modified TK5.2.14 so that it will work on Mac-Intel, and he has converted CERESlib so that it can be run on Mac-Intel and is compatible with the modified TK5.2.14. This version will not go live on the Mac servers, but could process on workstations by the end of the year.

lanina has compilers but no licenses. When *thunder* and *lightning* retire, those licenses are expected to transfer to *lanina*. Until then, one may not be able to compile on *lanina*.

Emacs on *thunder* has been odd for a few days. When one edits and tries to save, one gets the message that the copy on disk has changed.

SEC:

The SEC has completed the format for the new Operator's Manual. The Instrument Operator's Manual in the new Excel format will be provided with the next delivery, so it can be reviewed for completeness.

Tammy is creating Operator's Manual templates for each subsystem.

PROCESSING STRATEGY

The highest upcoming priority will be running the July 2004 Terra and January 2006 Terra and Aqua in support of G5-CERES testing; this is the same as previously done with MERRA. Hopefully CERES will receive the 5 seasonal months of G5-CERES data collections for testing in sufficient time to validate the data and send approval to GMAO so GMAO can begin G5-CERES operational processing by the beginning of February.

Denise said that the SEC will need input in January on how folks are going to deal with CERESlib regarding the transition to Edition3 processing. Lisa said that Scott had a solution for this.

Science has indicated that they want to keep Edition2 processing of subsystems viable for 2008 data.

FLASHflux runs in an automated fashion and has encountered occasional problems when previously staged data is removed from disk before all the subsystems have finished using it as input.

Erika said that PRs 9-07 and 12-07 were low priorities for Edition2B Inversion and were inadvertently dropped from the priority list but will be added back.

SUBSYSTEM STATUS:

CM

There were several schedule changes; see <http://earth-www.larc.nasa.gov/cgi-bin/cgiwrap/cerescm/mysql/cerescm.pl?page=schedules> for the latest schedule.

Dave Doelling approved TISA Averaging (SCCR 660 for Terra Beta4 and Aqua Beta1 TSI processing) yesterday.

2 SCCRs, #662 and #663, were reviewed.

Instrument

Operator error caused an Aqua input data error with the GBAD (Ground Based Attitude Data) data files. A temporary fix to this problem has been made in the ground system software. The permanent spacecraft fix will be implemented after the New Year. They may be able to backfill the missing 12/2/07 data at some point using level 0, but this level 0 based attitude could be off by 2 arc sec, or about 10 meters.

In the report it says, "Tests run on CER1.1P3 are showing some minor differences in data values between the two directory structures". Denise said this was under control.

ERBE-like

Dale said that the use of the new, test SW unfiltering coefficients to show a simple relationship in changes in the SW spectral response looks promising. Neither he nor Peter has spoken with Kory yet about this.

Clouds

Sunny requested that all Beta1-Ed3 input be to her by Dec 10; so far, she has received about 20%.

Erika asked about the new PGE(s) designation(s). Sunny said it was 1P6. This will be for Terra and Aqua (MODIS). Sunny will resend email where she specified 2, instead of only 1, PGEs.

The new PGE is to be delivered on Jan 4th but will probably be delayed by at least 2 weeks until January 18th.

Inversion

Victor said that he was having the same problems as others regarding the responsiveness of "daacget".

The January 18 delivery (Terra/Aqua Beta1-Ed3 SSF processing) is slipping to February 1.

Erika asked about the SGI/Mac differences in the 10-20% range that had been previously reported. Victor said he hasn't resolved that yet as he has been concentrating on this *warlock* delivery.

Victor has no new PGE numbers yet.

SARB

Tom started looking at the new directory structure for SS#5.

Fred has started getting new MATCH data.

Tom is going to do a delta delivery (PGE5.4P1) to send scripts for plotting software in post processor – QC report issue. Erika said that Tom should plan on doing the delta delivery sooner rather than later – maybe BEFORE the Holidays.

Lisa asked if there were Mac and SGI test beds available for testing new versions of the TK. Erika took the action to forward this test-bed question to the SCF SAs for resolution.

Erika asked Tom when he was expecting approval from science. Tom said once Dave Doelling approves (he has already done so), he needs to ping Tom Charlock or Fred Rose for an email.

TISA Averaging

Cathy is continuing to work on upcoming deliveries. Erika said that the Subsystem 7.1 delivery will eventually need to go to *magneto*.

Cathy is also working on the new ISSCP-like PGE.

TISA Gridding

9.0P1 is scheduled to be delivered in the spring. It is one of the 2 new ISSCP-like PGEs.

Raja is also working on the new GGEO PGE which also produces a new ISSCP-like D2 data product. She has provided DPC pages to Dave Doelling to review.

Agenda:

ASDC Status

- SI&T
- Interfaces
- Operations
- User Services

SCF Status

SEC Activities

DM System Issues and Status

Processing Priorities

Schedule

SCCRs

Instrument Special operations

Subsystem Reports

Other – *magneto* status?

- daacget/daacIs status?
- A case has been identified where July 15 - 24, 2002 Terra-FM1 Edition2B SSFs are available in the archive but are not available via the ordering tool. Lindsay is to report on this at the January 9th DMTM.