

04/02/2008 CERES Data Management Team Meeting

Upcoming Events:

May 6-8, 2008 – CERES Science Team Meeting in Newport News City Center
June 10-12, 2008 – NPP O&S, IDPS, and C3S Face to Face meetings, Aurora, CO

Notes from the previous meeting (03/19/2008)

ANNOUNCEMENTS

ASDC

TISA Averaging (SS7.1, SCCR# 660) completed testing on *warlock* and is waiting for “Promotion”, however, there are problems on *magneto*.

A “Promotion” announcement is needed for Instantaneous SARB (SCCR# 668) – *warlock* and *magneto*.

Finished Terra SFC, G5-CERES; going to start Aqua.

Completed Instantaneous SARB ValR11 processing.

96% of disk space is full and Lisa’s running out of stuff to remove.

Issues from the previous (03/19/2008) meeting

Vertley and Tonya will talk to Cathy after the meeting in regard to a delivery scheduled for tomorrow or Friday.

03/19/2008 – Issue was resolved. Subsystem 8 (SCCR# 667) was delivered on March 6.

It took 5 times as long to run a Subsystem 8 job on *magneto* as on *warlock*. These are “large” records. It was said that sometimes I/O for lots of small records can require more time. It was also said that by getting things working on Mac, doesn’t necessarily mean that they will work when moved to *magneto*; sometimes when moved to *magneto*, jobs run slower or not at all.

03/19/2008 – ASDC is waiting on Subsystem 8 to be released. CM can’t release Subsystem 8 until Subsystem 7.1 is promoted and the tar file is recovered from ASDC.

daacget/daacfs status?

02/20/2008 – Need to do something to avoid getting the banner. Erika still needs to use backlash. Ed said he would check with SAs to be sure people are accessing the right daacget.

03/05/2008 – No updates (from ASDC folks). Victor is still getting a banner; he has heard from no one regarding using the “right” daacget. Erika asked the ASDC people to check with Eric Feldl for next meeting.

03/19/2008 – Eric Feldl looked into this and spoke with users and Jimmy Rowe. Should be getting better performance now when using “-l”. “Path” on user systems has been going to wrong version on daacget/ls. Report “banner” problems to SCF

SAs. May be making architectural changes to the way daacget/lis functions. Decision on this has been delayed; use the same for now.

Cases where CERES data are available in the archive but not via the ordering tool have been identified. Until ASDC reports measures taken to ensure this doesn't happen in the future and checks for additional, substantial data gaps have been made, this will remain a meeting topic.

02/20/2008 – Running a script in the evening to make sure all the right files are in ordering tool. Just started doing this last night. If files are identified as missing, they will be repopulated. So far there has been insufficient testing to demonstrate that it works dependably.

03/05/2008 – Lindsay found there was a mismatch for Edition1-CV, ES-8s, ES-9s, and ES-4s (<1%). SSF has the most issues - Terra FM1 missing <1%; Terra FM2 missing ~5%. This is being taken care of by running a script that will compare occurrences in the Information Management System (IMS) vs. the Archive.

03/19/2008 – Lindsay is not here today.

StorNext status?

02/20/2008 – StorNext has been mostly stable but still having typical issues.

03/05/2008 – Better - behaving pretty well over the last 2 weeks. We'll ask again next time.

03/19/2008 – Chris Harris reported that this is working well on ANGe and LATIS. Close.

mag502 and *mag503* status?

02/20/2008 – *mag501* and *mag503* are okay. Don't use *mag502* for testing. It has an as of yet unidentified problem which causes the kernel to panic and freeze. Need more specific information before a trouble ticket with IBM can be opened.

03/05/2008 – *mag502* is in a state of disrepair. A trouble ticket has been opened with IBM.

03/19/2008 – *mag502* is still dead and may need to be replaced depending on plans for future CERES processors; Mike Little is working on this. There may be a PR in the next month or so – depends on downstream processing plans for CERES. Both PowerPC and Intel processors may be used as replacements. It is important to know if CERES will have to convert to Intel because that will take time and have to be planned for.

SCF

Plan to run maintenance procedures on Mac servers every 2 months. Lightning was rebooted and now is running more smoothly. This maintenance will have minimal impact on the users as Frank tends to it early in the morning.

TK5.2.15 will be installed this week. If it doesn't work, will install v14 later. Can build TK for PowerPC in a day. For SGIs get Karen Brown to help; this will take ~1 week. SAs need to tell CALIPSO (Chris Currey) when complete. Erika has advised Chris C. that this is going to be happening soon, so he will be on the lookout.

Mohammad Naseer is moving from the SA group to the DMT on April 21.

Issues from the previous (03/19/2008) meeting

Users have had trouble copying files to *cirrus*. Copy stops and zeros out files. One SA is working on this problem pretty much full time.

Sendmail problem status?

- 02/20/2008 – Scott is going to investigate sendmail problems. As of last week, it wasn't working on any machine (SGI or Mac). This has not been checked this week.
- 03/05/2008 – SendMail is still an open issue. sendmail is working on *lightning* but not *thunder* or *magneto*. Use cm_move script only from lightning and not from Macs.
- 03/19/2008 – Not getting fixed anytime soon. NOMAD not accepting stuff from sendmail (SGI and Macs); unless sent from email account it gets blocked. Chris Harris recommended that Scott contact Chris Jones (DAAC) to see what they're doing. Ed said that this was a major issue for the SAs too. Tammy asked that folks send her email when making a delivery, otherwise she may not know.

Open Directory status?

- 02/20/2008 – Not addressed.
- 03/05/2008 – Not addressed
- 03/19/2008 – Not addressed

In the CERES SCF Status report from the last meeting (since report for the meeting on 01/09/2008) it said, "A Preventative Maintenance plan is being developed for implementation later this month" which is what it said in the previous report. What is the target implementation date?

- 02/20/2008 – Not addressed.
- 03/05/2008 – Not addressed
- 03/19/2008 – Not addressed

Complete the "Magneto IBM 970" column in the "CERES SCF/ASDC Server Information" table.

- 02/20/2008 – The chart was not updated because the SAs did not have the necessary information. Erika asked Chris H. if he could provide the necessary information.
- 03/05/2008 – There was no report available for this meeting.
- 03/19/2008 – Column in the report was updated. Close.

SEC

Issues from the previous (03/19/2008) meeting

When to change the Release number was discussed. Options discussed were for Edition3, moving to new directory structure, and for NPP code. Erika asked Lisa and Denise to report in 2 weeks what they decided.

- 03/19/2008 – Denise said that this should be up to the individual subsystems. Lisa said this action got buried. Erika asked for a formal response next time.

PROCESSING STRATEGY

G5 testing continues.

SARB ValR11 is finished – waiting on Science Team review

PR 12-08 is included in the Process Strategy report twice.

Erika asked why doesn't the Special Status column show "In progress." for PRs 136-07 through 138-07 as it does for PRs 130-07 through 135-07. Unknown.

PRs 13-08 and 14-08 are not in the PR list as they were still under review.

When does science expect to be finished evaluating the G5-CERES test results? Need meeting with GMAO to review results. Completion schedule unknown.

CM

On the delivery schedule, Table 3, Erika asked about the Delivery to CERES CM dates on the first two entries – Instrument (610) and TISA Gridding (672). Instrument might slip to early next week (currently is scheduled for this coming Friday, March 21); March 28 is still okay for Gridding.

Denise identified another Word problem – this document (Test Plan-?) is not fun to update. There are many changes due to the new directory structure. Also, changing FrameMaker version of the Operator's Manual and new Excel Operator's Manual.

Erika said that there will be a decision on Edition2 and Edition3 priorities in a month or so.

Two SCCRs (667, TISA Averaging, Subsystem 8 & 672, TISA Gridding, Subsystem 9) were discussed.

SUBSYSTEM STATUS:

Instrument

Instrument is expecting two new employees – Ashley Alford coming on March 31 (from SC) and Mohammad Naseer reporting on April 21 (from the SA group).

Denise is expecting to make Instrument delivery (SCCR# 610) early next week; it is currently scheduled for this Friday, March 21.

Jim Donaldson is preparing test data to run through their system. She needs to talk to Joe Rivera in regard to this.

ERBE-like

Kory asked them to do Tropical Mean analysis for ERBE and asked about disk space on the SAN. Ed said that the SAN is now at ~77% of its full capacity and that they do not intend to let that to go above 80%. He said that the SAs would move the ERBE S-8 files from the

DAAC to the SAN for them once ERBE-like had made the space available in their SAN area. This is to support processing on *thunder*.

Clouds

Worked on converting validation scripts for all PGEs to Perl.

Convolution

Walt sent the results of the system engineering task related to code conversion times between various platforms to Bruce Wielicki.

Otherwise, he is working on NEWS.

Inversion

Made recent delivery (Mar 7, SCCR# 666) using the new directory structure – there were no problems or issues.

Agenda:

ASDC Status

SI&T

Interfaces

Operations

User Services

- daacget/daacfs status?
- Cases where CERES data are available in the archive but not via the ordering tool have been identified. Until ASDC reports measures taken to ensure this doesn't happen in the future and checks for additional, substantial data gaps have been made, this will remain a meeting topic.
- StorNext status?
- *mag502* and *mag503* status?

SCF Status

- Users have had trouble copying files to *cirrus* status?
- Sendmail problem status?
- Open Directory status?
- In the CERES SCF Status report from the last meeting (since report for the meeting on 01/09/2008) it said, "A Preventative Maintenance plan is being developed for implementation later this month" which is what it said in the previous report. What is the target implementation date?

SEC Activities

- When to change the Release number was discussed. Options discussed were for Edition3, moving to new directory structure, and for NPP code. Erika asked Lisa and Denise to report in 2 weeks what they decided.

DM System Issues and Status

Processing Priorities

CM

– Schedule

– SCCRs

Instrument Special Operations

Subsystem Reports

Other