03/19/2008 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
March 26, 2008 – NPP BSR at LaRC

Notes from the previous meeting (03/05/2008)

ANNOUNCEMENTS
Presentations from Feb 28 CERES-NPP Technical Interchange Meeting are on the Web

ASDC
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.

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

Processing SSF Terra Ed2A and 2F. Will be starting SARB ValR11 today or tomorrow (Terra on *warlock* and Aqua on *magneto*).

~95% of the disk space is full. Lisa is going to be cleaning this up a bit to make room for SARB.

Instantaneous SARB promoted on *warlock*; should be promoted on *magneto* today. Starting to test Clouds.

Issues from the previous (03/05/2008) meeting
daacget/daacls 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.

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.

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.

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.

SCF
No report was available – devoted to CALIPSO activities for the last two weeks.

Following the power outage over the weekend everything came back up fine.

Issues from the previous (03/05/2008) meeting
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.

Open Directory status?
02/20/2008 – Not addressed.
03/05/2008 – Not addressed

Emacs on *thunder* status?
02/20/2008 – Emacs problem continues – there are no new solutions. Scott is going to discuss this with Frank.
03/05/2008 – The reboot of *thunder* seems to have fixed the Emacs problems. Emacs performance may degrade again with time, but the SAs may be able to adjust the 'reboot' schedule to mitigate deteriorating performance.

In the CERES SCF Status report from the last meeting 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

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.

SEC
Denise is working on notes from last meeting.

Issues from the previous (03/05/2008) 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.

PROCESSING STRATEGY
Lisa said that the PRs were updated at 9:28am this morning.

PRs for Clouds delivery that is in testing were added and MOA and PMOA PRs were closed.

G5 data is in for 2 months. The rest is coming in the next day or two.

CM
The updated delivery schedule was distributed with meeting package.

Three SCCRs were discussed (#666, Inversion 4.6; #670, InstSARB; and #671, TISA Averaging). Erika asked Tammy to update SCCRs 670 and 671 to include a reference to the DPC being updated.

Inversion not going so well. Science folks not happy with results. There is an input file problem. Also, he needs information to populate new slots on SSF. Erika will talk to Dave Kratz about this. Delivery rescheduled for no later than next Friday.

TISA Averaging Dave Doelling has approved this delivery, but the compare program and others aren't working yet.

The second upcoming TISA Averaging delivery has been rescheduled from March 14 to May 2nd. Adding another parameter for SW surface flux. Erika does not like adding parameters to (stable) Edition2 – should save for Edition3.

SUBSYSTEM STATUS:
Instrument

Another PGE has been checked off as ready to go in upcoming delivery. NPP continues to take time.

(added note) Denise presented at the Feb 28 TIM

ERBE-like
Dale is working with Peter Szewczyk on gains and spectral correction changes. Two approaches are being worked on at the same time. The "Alpha" approach (Peter) is instrument independent while the "Beta" (Grant Matthews) is instrument dependent. Instrument is waffling on which method they like. Have spectral response functions waiting on gains.

(added note) Dale presented at the Feb 28 TIM

Clouds
Sunny's working on a poster for the CALIPSO STM (in Paris).

(added note) Sunny presented at the Feb 28 TIM

Convolution
Walt is working on system engineering task for Bruce Wielicki regarding CPU needs for code on various platforms and code conversion times between certain platforms (SGI, PowerPC, Intel).

(added note) Walt presented at the Feb 28 TIM

Inversion
Delivery is coming in 1½ weeks.

SARB
Tom sent results of processing first two sample months of G5-CERES data to Fred and other subsystems to check out.

(added note) Tom presented at the Feb 28 TIM

GGEO
GGEO has been modified to work in the new directory structure and is working okay on *magneto*. Other 2 PGEs sometime this week.

Regarding compilation problems on *magneto* between gcc 3.3.3 and gcc 4.2.2. Scott says there's no "bits" directory. He's asked that the "bits" directory be copied over - not just contents but directory structure. Christian will propagate files to development blades. Every subsystem will need code changes at some point to remove dependencies on things only available in SGI environment.

TISA Averaging
Working on SYN/AVG/ZAVG delivery.

Compile problem on *magneto* gone – now it's just slow.

TISA Gridding
Working on delivery of new PGE 9.0

Needs Cloud data from Clouds that's not on *magneto*. Can Clouds ancillary data be moved to where accessed from *mag501*? She needs to send a request to Vertley and Tonya.
Caution: Beta1-Edition3 is only Clouds and Inversion – be sure that we do NOT use these.

Agenda:
ASDC Status
SI&T
Interfaces
Operations
User Services

– daacget/daacls 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?
– From the last meeting, Lisa Coleman will be providing a list to the DAAC of PCF and log files that may be deleted from archive. What's the status on this?

SCF Status
– Sendmail problem status?
– Open Directory status?
– Emacs on *thunder* status?
– In the CERES SCF Status report from the last meeting 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?
– Complete the "Magneto IBM 970" column in the "CERES SCF/ASDC Server Information" table.

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