

# **04/30/2008 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 (04/16/2008)**

### **ANNOUNCEMENTS**

We are going to begin having CERES-NPP DMTMs on alternate Wednesdays from the CERES DMTM starting hopefully next week at SSAI at 10:00 a.m. We'll need the same subsystem status table and a Web page, too.

Science assessment of G5-CERES data meeting is today from 1:00 – 3:00 p.m. – purpose is to make a go/no go decision on G5 from GMAO.

Mike C. trip to Goddard to discuss NPP schedules happened April 15.

Meeting Friday (4/18) at 9:00 a.m. to discuss VIIRS sub-sampling channels.

### **ASDC**

Testing Clouds and Inversion. Clouds redelivery PCF generator was made. Edition2-Edition3 Logical IDs issue being resolved.

TISA Averaging testing was on hold but the ASDC received updated code yesterday. Cathy will put “old” beta files on the SAN and then let Lisa L. know so she can delete those files before rerunning beta4s.

Finished PR 15-08. Processing Aqua SARB on *magneto*; will try to start Terra SARB on *warlock* later this week.

95% of disk space is full.

Quarterly maintenance is scheduled for 4/22. Systems will be down a minimum of 4 hours.

StorNext had a problem with tape management (database problem) over the weekend, need to upgrade to new release of StorNext 3.1.1 Build 27, may be done with maintenance next week.

/QA – CERES is scheduled to be in production on ANGe by the end of July, ASDC needs to know what needs to go in /QA. Erika asked that the SEC look into this. Resolution needed by end of May – early June.

Repopulating the IMS database – should be done by end of May. Erika asked for a list of what files didn't get into the database (number of BDSs, etc., not whole list).

A grad student wants Spectral Response Functions – should get them from ES-8s.

*mag502* will not be replaced so we're down to 2 machines..

IDL on *magneto* – Cathy should talk to someone in SSI&T to run IDL with delivery of PGE that uses it.

daacget/daacIs – nothing new.

Test system (*asdcsm1*) available in mid-May, single system with 8 CPUs, big/little endian problem might come up, maybe Walt and Denise can test on it.

### SCF

Erika requested the Scott make some changes to the SCF report – separate Mac Cluster and Mac Server, remove Communications row.

Don't process on *manila/corregidor/nagacity* if not accessing /DAAC data directory since one of these machines dies everyday. Write a simple wrapper script to run on cluster node using SGE. Erika asked that an email be sent out to everyone, not just the DMT, to remind folks to use SGE and not run on *manila/corregidor/nagacity*. *manila/corregidor/nagacity* are designed for code conversion, once code is converted then run it on Mac workstations using SGE.

If you're delivering to *magneto* and use memory allocation talk to Cathy to avoid problems that she encountered.

Intel version of TK5.2.15 and CERESlib are working now. To setup Mac workstations to use Toolkit and CERESlib copy code and input data over from SAN and change code to write to workstation. Don't put data files in user shortname directory because we can't afford to back up these files. Put code under user directory or copy it back to SAN if you want it backed up.

Still having editing issues on SGIs so edit on workstations for now. Scott doesn't see an end to this problem.

Toolkit 5.2.15 – folks are having various problems with HDF. If issues can't be resolved then might have to go to TK5.2.14 (which doesn't work with Mac Intel). ERBE-like must deliver to *magneto* no later than August 2008 to be running on *magneto* by October 2008. Can ASDC provide 32-bit version of TK5.2.15 on *warlock* for Denise to test with? Lisa Coleman will make sure this doesn't fall through the cracks.

*corregidor* and *manila* were rebooted and that fixed the login problems.

We're back to the normal preventative maintenance schedule (every Wednesday morning).

File/directory limits reached, limit not on SAN side, must be SGIs, this is not a documented problem – nothing new on this problem.

Sendmail – SGIs working some, Mac not working much.

## **SEC**

SEC will discuss how to deal with needing different source code to run on different platforms.

## **PROCESSING STRATEGY**

PR 15-08 completed.

PR 108-07 should be below ValRs.

Need PRs for ISCCP-like products and Instrument.

## **CM**

Erika thinks Fred Rose has Collection 5 MATCH data files. Tom will check and if the data is available he'll provide a delivery date to Tammy

Reviewed updated TISA Averaging SCCR 667.

## **SUBSYSTEM STATUS:**

### **Instrument**

Mohammed started working part time this week and will be full time next week. He will be converting metadata routines to C to be added to CERESlib and then will work on conversion of subsystem code to C++.

In regard to processing priority, Erika thinks Instrument is more important than new ISCCP-like PGE; Lisa will check with Norman Loeb.

### **ERBE-like**

Testing TI5.2.15 – ES-8 remains uncompressed, QC file is missing filename on each page.

Peter will discuss results of Alpha2 Terra and Aqua spectral correction coefficients with Kory.

Kory not too concerned about differences in “raw” TOTAL spectral responses and Edition1-CV spectral responses.

Generated Edition2 ES-8Ns for FM1, FM2, and FM3 for Edition2 gains and spectral response function file delivery, Kory wanted something for the Science Team meeting.

### **Clouds**

Checking with CALIPSO on G5 assessment.

Will need to run Edition3 files for Pat Minnis for Science Team meeting at SCF since it won't be ready to run in production in time.

### **Convolution**

Not getting feedback quickly on Working Agreement, Mike Little has some issues, says he sent comment to Bruce Wielicki, says he'll send them to Walt but it hasn't happened yet. Need a meeting with Erika, Walt, and Mike to discuss issues.

No TK5.2.15 problems yet.

### **Inversion**

Starting TK5.2.15 testing.

### **SARB**

Attempting to port PGE 5.1P1 to non-SGI platforms in preparation for possible extension of Edition2.

### **TISA Averaging**

Running stuff for Moguo for Science Team meeting.

### **Agenda:**

#### **ASDC Status**

- SI&T
- Interfaces
- Operations
- User Services

#### **SCF Status**

#### **DM System Issues and Status**

- Processing Priorities
- CM
- Instrument Special Operations
- Subsystem Reports

#### **Other**