12/12/2007 CERES Data Management Team Meeting

Upcoming Events:

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

Notes from the previous meeting (11/28/2007)

ASDC:

The operational disk space is at 94%.

Terra Clouds processing is on hold waiting for MODIS collection 5 for 06/30/2007. Receiving the last set of missing MODIS data from MODAPS took app. 2 weeks. In the mean time, Terra Edition2B CRS is processing on warlock, where it takes twice as long as on magneto.

A new version of the daacget/daacls scripts is definitely in place at the SCF. No one was able to report the date on which the switch occurred. Users who have not provided keys are no longer able to use these commands. Do not use double quotes in your queries. ASDC is looking at logs from daacget to monitor activity.

Archive went up and down for maintenance numerous times last month. Reasons for maintenance included backup on archive not working properly and tests of resource sharing caused confusion.

Magneto now has the toolkit and CERESlib installed. Tom Caldwell is testing the old executables for 5.0P1, 5.1P2, and 12.1. No problems so far. Once that's complete, will attempt to recompile these and test again.

Automation meetings with subsystem leads to discuss integrating PGEs into automated system are being scheduled by Lisa Coleman and will occur in the next couple days.

SCF:

On Dec. 10 Chris Dwan will be at LaRC. He will look at the cluster and possibly do some upgrades. Users could see enhancements. Webpage showing graphical representation of which machines are up/down might be coming.

GCC 4.2.2, which matches *magneto* installation, is currently being installed on the Macs.

A pop-up showing a software upgrade for 10.4 should have shown up. Please do it. Random check shows most have already done the upgrade.

SCF has experienced success with the preventative maintenance plan for the Macs. On Friday they will initiate a SAN maintenance plan. SAN maintenance will always be done on Fridays and should be expected about once a month. The Calipso SAN maintenance will begin this Friday, and Scott will finish it up on Saturday. The NEWS data is now on insanity

and will not be affected. Friday's maintenance will impact only those using actual Calipso data. SGI servers will eventually also go on a maintenance schedule, day of the week is TBD. SGI maintenance will, most likely, begin shortly after 6 AM and take on the order of 10 minutes per machine. It may be that all SGI machines are done on the same day.

At Science Team Meeting, Mike Little stated that lightning and thunder were going away ASAP and definitely by April. /QA is on these machines, so it will have to be moved.

SEC:

Proposal questions and comments related to new directory structure and changes to the Operator's Manual are due on Friday. Denise has already heard from several folks.

John Robbins was on leave this week. Any Science response to the list of FrameMaker documents that CERES does not intend to convert to Word, but rather leave as pdf, will be discussed at the next meeting.

SUBSYSTEM STATUS:

Priorities – PRs for TISA's Aqua Edition2A SRBAVG processing will be added immediately after PR 90-07. Collection 5 MATCH data is coming in. Terra and Aqua SARB PRs will be written once available months known. Will run a month of Beta in production, probably after start of New Year.

CM

TISA averaging's November 30 delivery has slipped to no earlier than next week. Synoptic SARB's and the CERESlib's December 7 deliveries will be coordinated to arrive around the same time as TISA averaging.

Instrument – Denise plans to talk to ASDC regarding output directories for Instrument within the context of the new directory structure.

ERBE-like – Dale checked Jan'07 through Aug'07 Edition1-CV ES8N files for large, suspicious data dropouts like those reported by FLASHFlux for Terra Baseline1-QC on 10/11/07. There were none. All is assumed to be okay until 9/28/07, the first of five incomplete Terra days found and believed to be caused by a toolkit issue in Instrument.

Convolution – Errors in Edition3 SSF typdef were a set of bounds not changed and an optional variable getting used without checking that it was passed. The seven cloud retrieval failures are thought to be due to resource issue.

TISA Averaging – Script now at ASDC checks that necessary GGEOW files are staged before proceeding with processing SRBAVG.

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 – Summary of modifications to proposed new directory structure and changes to the Operator's Manual based on comments received by 11/30/07.

- *magneto* status?