08/08/2007 CERES Data Management Team Meeting

Upcoming Events:

Nov 11-14, 2007: Fall CERES **Science Team Meeting** in Victoria, BC, Canada

Notes from the previous meeting (07/25/2007)

ASDC:

MODIS file problems: Files were staged while archive was having problems with tape drives and medium falling offline. Script missed audits on MD5 signatures so partial and zero length made it onto the disk and were used to process ValR13 cloud files. CERES to request that original ValR13 cloud output files be deleted, cc# be incremented, and Clouds be rerun for Terra and Aqua as ValR13.

Archive had problems last week (as noted above). Quantum and StorageTek looked at the problem of medium going off line. StoreageTek made an update that improved things. With the exception of ingest, archive related activities are running again.

Short archive downtime scheduled for next Thursday, Aug 2, to upgrade StorNext.

Database transition from Informix to PostgresSQL is ANGe driven. ASDC is working some issues. Transition will not take place this week and no new date has been scheduled.

SCF:

There has been a constant stream of hardware failures since the last meeting. A fiber channel controller took down the SAN. It was back up on Monday. Due to backend server problems, there will be a downtime either this coming weekend or next. Memory will be added. *Zamboanga* (cluster headnode) software had to be rebuilt. Tom is testing it but hasn't yet finished. Cluster will hopefully go back to being stable the way it was in the Spring. Denise to toss in a slug of jobs today or tomorrow.

All *thunder* and *lightning* disk mounts are removed. 1-2 users still have data there. Power will be taken away on Friday, and then it's all over. Disks will be physically removed from the server room, and there will be more focus on the SAN.

Whether we scored Moderate or High risk on the recent system audit is unclear. For this meeting, final outcome doesn't matter because operations with ASDC are unaffected either way. Topic to be dropped.

SEC:

No meeting. Mag 501 and mag 503 toolkit rebuilds are still needed. Mag 502 needs GCC update. Have 2 deliveries waiting on this. Chris Harris to let Scott know when ASDC is ready for him. Scott to let Cathy and Denise know when these nodes are ready for them to test on.

Big/Little Endian:
Mike Little and Jim Donaldson will be handling the big/little endian plan as part of the conversion effort. The DMT will implement the plan. Subsystems should begin looking at all production outputs to determine which files will require big/little endian conversion, which might best be converted to ASCII or hdf, and which are temporary, requiring no action. There may be other categories also. Erika requested endian plan in Summer'08 in hopes of including it in Edition3 deliveries for Clouds and subsystems which follow. Lisa to send Jim and Mike what she has.

Jan'06 added to Terra Edition2F and Aqua Edition2C SSF requests.

SUBSYSTEM STATUS:
CM – No SCCRs.
Instrument – Delivery of code to generate TRMM-simulated IES files delayed by *magneto* (see SEC notes). Ops manual getting updated for Sim-TRMM and Edition3.
Convolution – MODIS MAC files are special A-Train MODIS files at nadir.
MOA – all MERRA MOA files for Jan'06 are run
TISA Averaging – Waiting on *magneto* (see SEC notes). Converting code to run on *manila*. Thinking about combining all 3 subsystems (10, 7.1, 8) into one code.
TISA Gridding – GGEO main compiles on Mac. Working on scripts.

OTHER:
HDF point of contact: Tom Caldwell. Tom will become the point person when you have questions about HDF. Also, if you know any HDF tips, please pass them on to Tom.

LMS audit of CERES Data Management process on Thursday, July 26.

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 – MERRA update
– Any ill effects from the SGI disks going away?
– *magneto* status? Instrument and TISA Averaging Subsystems are listed in the notes from the last meeting as waiting on *magneto* updates.