

12/14/05 CERES Data Management Team Meeting

Agenda and Notes from last (11/30) Meeting

Upcoming Events:

Happy Holidays!

Spring CERES Science Team Meeting in Williamsburg, April 26 – 28, 2006 ?

Fall'06 CERES Science Team Meeting at GISS (NYC), early Nov'06

Priorities:

Near-term Processing:

- Terra Edition2D SRBAVG for 3/00 – 2/03
- Terra Beta4 SRBAVG for 3/03 – 12/04
- Edition1-CV/Ed1-NoSW-CV BDS/ERBELike
- Aqua Edition2A SSF/SFC/SRBAVG
- Aqua Edition2A CRS/FSW

Long-term Processing: Terra and Aqua Edition2 AVG

Data Management

- Code Conversion
 - Delivery process to IBM cluster
 - Mainstream SARB conversion
 - Synoptic SARB
- SCF
 - Zamboanga cluster configuration and testing
 - ceresarchive movement to new platform

Notes from last meeting:

Chris Harris passed out 3 slide power point handout that discussed IBM Blade Center Linux Cluster Hardware, Software, Operations Concept, and current status. ASDC plans to use one instance of SGE job scheduler for warlock and blades and is currently testing this. ASDC is working on porting the archive scripts to the cluster and testing them. ASDC plans to obtain another AMD node for the cluster to handle IDL processing. (The 2 AMD nodes already on the cluster are data movers and will be too busy to support IDL.) Chris asked whether IDL code can be decoupled from FORTRAN to allow it to run on AMD node. Current SARB 5.4P1 delivery will only be targeted for warlock processing. Developing the SSI&T end-to-end process will be considered complete once the SARB delivery is in production.

Jim Donaldson ran in the IBM cluster production area. That area needs to be cleaned up, so Jim should pickup any files he'd like to save.

SSI&T has run into problems testing TISA Averaging, so there is no estimated promotion date. SSI&T is guessing that they can promote instrument in ~1 week. (Denise guesses it will take ~2 due to TRMM testing, which hasn't been needed for several years prior to this.)

ASDC is attempting to straighten out issues with placing GGEO 11.4P1 outputs into archive. If they run into any problems, they will contact Tom Caldwell.

ASDC will maintain list of which PGEs are available for processing on which platforms.

ASDC will determine platform on which to process PGE. No need to communicate desired platform in PR. Should cc# differ based on platform file was processed on? After brief discussion, it was clear that folks were divided on this issue. Everyone was asked to think about it and the DMT will revisit the topic at the next meeting.

There are off-site backup problems. Anyone that has partitions that either don't require backup or are static is asked to contact the SAs.

DMT seemed unclear on nearterm and longterm Mac cluster goals. It was suggested that Erika contact Mike Little to determine what they are.

Erika needs to add PRs. In particular the following requests need to be added: Aqua ValR8 CRS (to run on IBM cluster), Aqua ValR9 BDS/ERBELike (checkout gains/SRF; do not run until current delivery promoted and ValR7 approved), TRMM Ed1-CV-TransOps BDS/ES8 for 1999, FM4 AnomOps-Ed1-CV BDS for 7/19/05 – 8/30/05 (period they were playing games with heaters), Aqua Edition2A SSF (assuming ValR8/ValR9/ValR10 approved), and Aqua ValR10 SFC.

There will be a GERB intercomparison period using a new scan profile on 12/6/05. Not known which instruments to be used - guess was FM2 and FM3.

Aqua gain/SRF delivery next Friday may be delayed. Since there's no SW, may be trickier than before. Need to finish ValR7/ValR8 for current delivery before running with these gains/SRF.

Clouds has started on including 250m channel into processing system for Edition3. Clouds needs to determine whether they should be checking aerosol quality prior to placing MOD04 values on cookiedough. Jim Coakley made comments about this at Science Team Meeting and may know how to do it.

SARB has sent CERESlib delivery to CM and Instantaneous SARB delivery is tarred and ready to go.

It is unclear whether difference Raja saw in Terra ValR8 (manual run) and ValR9 (APGS run) FSW are due solely to the meta data difference ASDC found (when run by APGS, date was recorded twice), or whether difference in manual and APGS processing dates in binary file were only difference. Erika needs to reread e-mails sent by Raja before she left.

Erika talked to Gary Alcott. Aerosol go/no-go decision has been bumped to 1/5/06. MODAPS to take over all processing and distribution with 3 years and they are starting

with V004 in January. MODAPS contacts are Bill Ridgeway and Rick Hucek. Terra V005 aerosols are expected to begin processing first and Aqua V005 aerosols aren't scheduled to start running until April'06. It's unclear who's doing what come January.

Items to be discussed this meeting:

- Mike Little to present nearterm and longterm Mac cluster plans
- ASDC system (including cluster) and operation status
- User Services status
- SCF status
- Processing plans
- Subsystem Updates
- Interfaces
- Discussion of how to differentiate files produced on different platforms. Should different cc# be assigned based on platform?
- Beta/Edition3 updates
- Updates on any CERES related proposals or projects (A-train NEWS, FLASHflux, etc.)

Date and location of DMT mtg:

Note Last Minute Room Change: 12/14/05 at 10:00 at ASDC in rm 2316 (upstairs conference room)

Next Meeting: 1/11/06 in B1250, rm 116