

11/30/05 CERES Data Management Team Meeting

Agenda and Notes from last Meeting

Upcoming Events:

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
- Beta4 GGEO and 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:

ASDC is updating the CRS subsetting software. SSF was completed a while back.

Backup problems on SGI are such that everything is getting backed-up, it's just slower going.

Jim Donaldson's main SARB code has not successfully processed a month's worth of data on the Mac cluster. It has successfully processed a month of data on the IBM cluster with Jim running the jobs using SGE. The current SARB delivery does not need to be tested on the Mac cluster. Since Jim demonstrated that a month of data could be processed on the IBM cluster using his code, the current SARB testing on the IBM cluster, prior to delivery, does not need to include a month of data. Once delivered, SSI&T will, most likely, want to test a month of data.

ASDC is currently setting up the epilog (wrapper) process for the IBM cluster. Once complete, it will be tested. The script to stage the data to the IBM cluster work. Early processing on the IBM cluster will be in a manual mode using the Sun Grid Engine (SGE).

IDL won't run on a Power PC. Therefore the plan is to run the SARB post/QC (PGE 5.4P1) on warlock. All binary and hdf files (even though only a handful of the hdf files

are needed, ASDC prefers to move them all) will be transferred to warlock to run the post. Dave Cordner suggested running the post on another, Intel-based, processor that is supported by IDL. E-mail discussions after the DMT suggest that it would be better to just stick with running it on warlock for now.

BETA4 GGEO processing has started at ASDC. Questions regarding GOES-12 are getting resolved.

Terra DPREP had issues all weekend (major problems) and is behind.

Erika needs to talk to Kory about running the Transient Operations period of TRMM data through the upcoming Edition1-CV instrument code delivery.

Instrument Working Group plans to delivery Terra and Aqua Edition3 gains/SRF in 1-2 year chunks, not all at once as originally scheduled. Eventually, there will also be TRMM Edition3 gains/SRF, but they are currently not on anyones schedule.

Current plan is to keep FM2 in crosstrack for now. Eventually, it may be placed back in stow.

On 8/12/05 Aqua had an inclination adjustment. From 8/12/05 – 9/6/05, Aqua geolocation is off by 400 arc-sec. This should be unnoticeable to CERES.

Algorithms for V005 MODIS are in development. No work, beyond identifying what needs to change, has been done on reading V005 aerosol input files.

Inversion has a disk-space issue and will be contacting Mike Little.

Cathy Nguyen has received TSI code, including particle size, from Dave Doelling. It's huge and more complicated than originally expected!

Items to be discussed this meeting:

- ASDC system and operation status
- Cluster discussions including H/W, delivery, etc.
- User Services status
- SCF status
- Processing plans
- Subsystem Updates
- Interfaces
- Beta/Edition3 updates
- Updates on any CERES related proposals or projects (A-train NEWS, FLASHflux, etc.)

Date and location of DMT mtg:

11/30/05 at 10:00 in B.1250, rm 116

Next Meeting: 12/14/05 at 10:00 in B.1250, rm 116

