

3/22/06 CERES Data Management Team Meeting

Agenda and Notes from last (3/8/06) Meeting

Upcoming Events:

Spring CERES Science Team Meeting in Williamsburg, May 2-4, 2006
Fall'06 CERES Science Team Meeting at GISS (NYC), early Nov'06 ?

Priorities:

Near-term Processing:

- Terra Beta6 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:

Henry's /QA cleanup script is now running. No one could address whether the files expected to go to /QA were actually going out there.

SSH on the IBM cluster (open source, LINUX) is incompatible with that on warlock (IRIX). Secure copies are not working from IBM to warlock. The cluster's wrapper code has already been modified to use sftp. The work around plan of using sftp from cluster to warlock and secure copy from warlock to cluster will be tested shortly. Until it's tested, ASDC isn't ready for production on cluster. In the long run, the plan is to install a commercial version of SSH on the cluster. ASDC already has it on warlock and is in the process of transferring the license to the cluster. Although in progress, there are some other issues that are keeping the installation and testing of the commercial version of SSH from completing in the near term.

The CERESlib delivery that's waiting to be promoted is for the cluster only.

User Services announced that CERES/MISR product will be made publicly available this week. It will be linked from the CERES tables.

On March 6 there was a meeting to finalize Edition3 SSF parameters. Unfortunately, that didn't happen, but the right people did talk to each other! Several parameters were added

to the SSF, and a few previously added ones were removed. A handful of parameters were renamed, and a couple of old parameters were removed. The big issue that couldn't yet be resolved was how to handle overlap. Bruce asked that the group reconvene in ~3 weeks. At that time, Clouds will present an overlap proposal for the group to discuss. Once it is agreed upon how overlap will be handled, final adjustments to the SSF parameters can be made and the Edition3 Data Products Catalog pages can be distributed for a final review. The chlorophyll concentration parameter desired by SARB will become an ancillary product and will not be placed on SSF or MOA,

Although CERES SCF Status is grouping S4P development and code conversion together, they are independent. Lisa Coleman will be providing a rough schedule and roadmap for code conversion to the group in 2 or 4 weeks. Accounts for the CERES subsystems are currently getting set up on manila and corregidor.

There is a disconnect between folks on whether S4P development that Scott Zentz & Co. will be doing will eventually be used on warlock and/or IBM cluster. Dave Cordner will be contacting Mike Little.

Anne Wilber would like to have CERESlib on the Mac. If she had it, she could run on her Mac instead of on thunder/lightning. Scott stated that a webpage was getting developed to distribute CERESlib to users. He expects it to be up in ~1 month. In the mean time, SAs will talk to Scott about possibility of getting it to her sooner.

Due to Denise's illness/absence, no update was available on the Jim Donaldson/Instrument project, so I'm leaving in the text from 2 weeks ago: Jim Donaldson has the Ada compiler working on a Mac. He had to comment out 2 lines to get instrument code to compile. By the end of the week, he'll try running instrument code for all satellites. Haven't tried Ada on LINUX yet. Scripts need to be updated – they don't work in open source. gcc4 didn't work – went back to gcc3.4.3.

Tammy stressed that no SRF delivery will be needed for Terra July'05 – Dec'05 processing. E-mail to that effect has already been sent.

No one from Instrument or Clouds group was present. Denise is sick. Sunny is meeting with Pat Heck. Did GSFC ever resend A-train MODIS test file to Sunny? Has Clouds had a chance to look at 1/19/06 cloud fraction problem FLASHflux ran across?

GES DAAC to MODAPS collection4 handover took place the last weekend in February. According to e-mail from Sue, DOY 55 – 58 will be individually deleted and reordered in its entirety because it's easier to fill all the holes in that manner. Collection 4 for DOY 59 forward looks good.

Walt discussed a shift in Terra MODIS calibration between 2003 and 2004. It's not in all the data and it's not clear why it's happening. Walt is using Richard Green's tropical LW constant to investigate.

In approximately 2 week, Inversion will have the Terra SSF subsets off the loaner disk and onto the CERES archive. At that time the disk will be released and ASDC will write the Aqua SSF subset files to the loaner disk.

Warning to anyone using aerosol parameters from the SSF subset: values may be negative due to range change that didn't propagate into subset. See Walt if you need help converting negative value on subset to actual value.

Cathy expects to have TSI with all zones available to Lisa for testing on SCF within the next week.

Dave Doelling sent SRBAVG Data Quality Summary to Meka (User Services)!

Cathy ran into local vs. GMT time problems when attempting to compare TOA GGEO SW fluxes from SS7.1 and SS10.

MET-5 and MET-7 coefficients are still giving TISA Gridding fits. They are further apart than Dave Doelling expected. Raja is rerunning an earlier set of coefficients to determine whether or not it's better than a later set.

In the SEC meeting 2 weeks ago, there were 2 open items.

1. Chris Harris was going to assess the disk space needs to see if it's feasible to increase the space available for subsystems to store the files needed for testing. Chris has the sizing information from each subsystem and is looking into it.
2. Tonya was going to talk to Vertley about accepting less robust (smaller) test cases. They did talk and the conclusion was that smaller test cases are acceptable, BUT, like TISA gridding, the subsystem must adjust the code to handle it.

Items to be discussed this meeting:

- ASDC system (including cluster) and operation status
- User Services status
- Interfaces
- SCF status to include S4P
- Processing plans
- Subsystem Updates
- Beta/Edition3 updates
- Updates on any CERES related proposals or projects (A-train NEWS, FLASHflux, etc.)
- Revisit /QA discussion in March/April 2006

Date and location of DMT mtg:

3/22/06 meeting at 10:00 AM in room 2316, ASDC

4/5/06 meeting at 10:00 AM in room 2316

(All DMT meetings through June 28th are currently scheduled for room 2316. Meeting on 5/3/06 will be cancelled due to CERES Science Team Meeting in Williamsburg.)

