

CERES Data Management Team Minutes for 05/05/2004

• Schedule:

05/12-13/2004 ASDC-CERES Science Processing Design Shop
06/15/2004 IOC replacement ceresarchive (hardware arrives on 5/28/04)

Ongoing Activities:

- NPOESS Processing Trade Study will be collecting data and reviewing PGE's
 - Review of Configuration Management and Coding Guides for need to update
- QC File Server in being installed in B1250 on the back end network to permit storage of QC files
- Ceresarchive replacement is in progress with hardware arriving 5/28/04
- ERBE reprocessing continues with algorithm fixes still being applied to correct altitude

Priority Items:

- Development and Processing Priorities are based on Program commitments in FY2004
 - Near Term Data Products Goals:
 - Terra Edition2 BDS/ERBELike (7/03 – 12/03)
 - Terra Edition2A SSF and SFC (3/00 – 12/03)
 - Edition 2A GGEO (3/00 – 2/03)
 - Terra Edition2A SRBAVG (3/00 – 2/03)
 - Long term goals (before 10/01/04 – in time for Fall Science Team Meeting):
 - TRMM Beta 3 TSI, Synoptic SARB, and SYN/AVG/ZAVG (1/98 –8/98, 3/00)
 - Terra Beta2 TSI, Synoptic SARB, and SYN/AVG/ZAVG (4 seasonal month + 3/00)
 - Edition2A GGEO (3/03 – 6/03)
 - Aqua Edition1A SSF and SFC (1 year)
 - Aqua Edition1A SRBAVG (1 year)
 - Aqua Beta1 CRS and FSW (1 year)
 - Additional production runs for this summer/fall:
 - Edition2A GGEO (7/03 – 12/03)
 - Terra Edition2B SSF, SFC, and SRBAVG (2/00 – 12/03)
 - Terra Edition2B CRS and FSW (2/00 – 12/03)

- **Standing Committee Reports**

(These notes supplement the reports posted by the various Committee's on the CERES DMT status page.)

Agenda	Committee	Responsibility	Updated	Status/Issues
1.00	ASDC/ECS Interfaces	Hopson/Harris/ Link	05/05/04	Implementation of Clouds subsystem under APGS continues. The following are currently running under APGS: Instrument, ERBE-like, TISA-gridding (Subsystem 9), MOA, PMOA. TISA Gridding (Subsystem 6) is almost finished with testing. ESDS Quarterly security review will occur next week and will effect some system performance. E.Geier pointed out that the PMOA's for February, 2004 are not in the archive. L.Link indicated that the status would be checked. Instrument Gains for Aqua through June 2003 have been promoted with corrected parameters. Instrument testing in SSI&T will be completed today; Inversion has been promoted.
2.00	SCF	Flippo	05/05/04	H.Flippo will demonstrate the archiving tool for use with ceresarchive at the end of the DMT meeting.
3.00	Toolkit	Flippo	05/05/04	J.Donaldson and H.Flippo have completed all relevant conversion of the Toolkit components to the Mac OS X platform, compiled under the IBM xlf FORTRAN compilers in both F77 and F90.
4.00	System Issues			
4.01	Processing Strategy	Geier	05/05/04	No additional information was provided.
4.02	Systems Engineering Committee	Nolan/Sorlie/ Hopson/ Ayers/Cooper	05/05/04	A meeting will be held on Monday, 05/10/04 to discuss HDF-5. P.Spence and K.Lee will present differences compared to HDF4, followed by a discussion of impacts on subsystems.
4.03	Configuration	Ayers /	05/05/04	No additional information was provided.

	Management & SCCR/DCCR Review	Saunders		
	Working Group Status			(See posted Subsystem Status Reports)
5.01	External Interfaces- Instrument	Spence	05/05/04	Lunar scanning is scheduled for all four instruments in the near future. During June 2004, it is expected that joint scanning with GERB will be scheduled over the Valencia site.
5.02	External Interfaces- Data Sources	Link	05/05/04	No additional information was provided.
5.03	External Interfaces- Customers	Kizer	05/05/04	No additional information was provided.
5.04	Simulator	Chapman	04/09/03	No additional information was provided.
5.05	Visualization/ Validation Tools	Lee	01/15/03	No additional information was provided.
5.06	Instrument (SS 1)	Cooper/ Hess/Spence/ Szewczyk/Filer	05/05/04	No additional information was provided.
5.07	ERBE-like (SS 2, SS3)	Robbins Walikainen/	05/05/04	No additional information was provided.
5.08	Clouds (SS 4.1, 4.2, 4.3)	Sun-Mack	05/05/04	Aqua Edition1A will be delivered on 05/28/04.
5.09	Clouds (SS 4.4)	Miller	05/05/04	No additional information was provided.
5.10	Inversion (SS 4.5, 4.6)	Nolan	05/05/04	N.Loeb has delivered all shortware ADM code for Terra Edition2B for incorporation into the subsystem.
5.11	SARB (SS 5.0, 7.2, 12.0)	Coleman	05/05/04	No additional information was provided.
5.12	TISA-(SS 6.0, 9.0) Gridding	Raju	05/05/04	H.Flippo and R.Raju have evaluated the SAR results for tests of subsystem 6 using 6, 12, and 24 processors on the SCF. At 12 processors, processor utilization is 95%. At 24 processors, file I/O seems to cause processor utilization to drop to 25%, apparently, due to limitations on the RAID access. This seems to be related to the total data volume being loaded rather than the number of files being opened.

				This information will be used by the ASDC to throttle the volume of simultaneous production jobs to improve efficient utilization of the system resources.
5.13	TISA- (SS 11.0) GGEO	Stassi	05/05/04	No additional information was provided.
5.14	TISA- (SS10.0, 8.0) Averaging	Nguyen	05/05/04	The data type flag is being added to TSI.
5.15	CERESlib	Stassi	05/05/04	No additional information was provided.