

## **CERES Data Management Team Minutes for 04/09/2003**

### **Schedule:**

04/2003	CERES Data Management Delivery Process & ERBE Digital Library Demo briefing to local Science community
04/14/2003	Tentative date for Terra Lunar Calibration
04/27/2003	samantha shuts down (tentative)
05/06-08/2003	CERES Science Team Meeting, Norfolk Waterside Marriott (No DMT Meeting)
05/15/2003	CERES Proposal to Code Y for next 3 years.
05/15/2003	SGI3800 arrives at SCF
06/01/2003	CERES B1250 personnel move to B1189 (approximately)
09/30/2003	All CPU's to be assigned to Certified SysAdmin or disconnected from LaRCNet

### **Ongoing Activities:**

- B1250 Rehab (Planned completion ~09/2004)
- Workstation Modernization Program (Planned completion ~01/2003)
- SA Certification (1<sup>st</sup> test within next 30 days)

### **Priority Items:**

- Re-staging of MODIS data at ASDC to support faster processing/re-processing

### **• Announcements:**

- New WinXP installations are banned due to IT Security considerations

## 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
<b>1.00</b>	<b>ASDC/ECS Interfaces</b>	Hopson/Sorlie/ Direskeneli	04/09/03	A problem has been observed with CERESlib; ERBE-like is not creating PCF files. Action assigned to J.Stassi and P.Link.  34 TB disk array has continued to function normally under load, split into two equally sized components.
<b>2.00</b>	<b>SCF</b>	Flippo	04/09/03	Backup and archiving at AS&M site requires additional capacity. A strategy for handling backup differently than archiving will be established to avoid unnecessary resource consumption.  Problems with replacement O2 systems have been identified, mostly related to user suitability, not computation. Work is in progress to remedy these issues. samantha will be traded in on an SGI Origin 3800 (64 processor) to be shared among CERES, CALIPSO, and the Icing Project. Installation will occur on or about 05/15/03.  asdsun conversion to V880 has been successful. Priority is being given to removal of the old machine from maintenance.  McIDAS installations will now be done consistent with the vendor's recommended approach.
<b>3.00</b>	<b>Toolkit</b>	Flippo	11/06/02	No additional data was provided.
<b>4.00</b>	<b>System Issues</b>			
4.01	Processing Strategy	Geier	04/09/03	In Table 2 of the Subsystem report, the GGEO delivery should be On 03/28. Aqua SRBAVG Beta1 does not require additional delivery.
4.02	Systems Engineering Committee	Nolan/Sorlie/ Hopson/	04/09/03	No additional data was provided.

		Ayers/Cooper		
4.03	Configuration Management & SCCR/DCCR Review	Ayers/Franklin/Saunders	04/09/03	The test of the conversion of an Operations Manual to XML was completed; The resulting output was determined to be not useful in creating APGS inputs. SCCR 429 was disapproved and will be resubmitted as SCCR 433.
4.04	Process Improvement Committee	Stassi	04/09/03	Minutes are attached.
<b>5.00</b>	<b>Working Group Status</b>			<b>(See posted Subsystem Status Reports)</b>
5.01	<b>External Interfaces-</b> Instrument	Spence	04/09/03	FM3 safing event results have been analyzed. Deep-space cal results are included in Subsystem 1 report. Aqua L0 dat for 03/03/03 was not received fully. Terra DPREP missing during the ASDC outage; recovery will be complete within 8 days.
5.01	<b>External Interfaces-</b> Data Sources	Sorlie	04/09/03	Half of the Feb DAO data is missing. ECMWF data procurement will be accomplished in Fall.
5.01	<b>External Interfaces-</b> Customers	Detweiler / Koziana	04/09/03	Tapes have been received and data available supplied to A.Inamadar.
5.02	Simulator	Chapman	04/09/03	Maintenance was performed to replace batteries and components.
5.03	Visualization/ Validation Tools	Lee	01/15/03	No additional information was provided.
5.04	Instrument (SS 1)	Escuadra/Cooper/Hess/Spence/Szewczyk/Filer	04/09/03	The Terra deep space cal was successfully performed on 03/26/03, however, the results need to be recomputed using the correct offsets. Processing of future Terra data will be performed using the results. Application to past observations will be performed only if Terra Edition 3 is run. A request was made by a Russian site for information required to perform local processing using the Terra direct distribution data stream. This is being reviewed by E.Geier.

5.05	ERBE-like (SS 2, SS3)	Kizer/ Walikainen/ Robbins	04/09/03	PGE CER3.2P1 is being altered to produce only a single combined product with all 4 instruments included. The next delivery of Spectral Response Functions will be made prior to 04/30/03.
5.06	Clouds (SS 4.1, 4.2, 4.3)	Sun-Mack	04/09/03	Studies of 2x2 subsampling vs. 4x4 subsampling have been complete; P.Minnis is reviewing the results to determine if there is science impact. This change is being considered to support a reduction in the data processing requirements at the ASDC due to a shortage of funding to acquire compute resources.
5.06	Clouds (SS 4.4)	Miller	04/09/03	No additional data was provided.
5.07	Inversion (SS 4.5, 4.6)	Nolan	04/09/03	The changes to PGE4.5-6.1P1 are to provide one month of continuity with TRMM. 2x2 vs. 4x4 subsampling tests were complete.
5.08	SARB (SS 5.0, 7.2, 12.0)	Coleman	04/09/03	No additional data was provided.
5.09	<b>TISA</b> -(SS 6.0, 9.0) Gridding	Raju	04/09/03	Delivery is expected on 04/25/03 on schedule.
5.09	<b>TISA</b> -(SS 11.0) GGEO	Stassi	04/09/03	No additional information was provided.
5.09	<b>TISA</b> -(SS10.0, 8.0) Averaging	Nguyen	04/09/03	Problems with 07/88 data products are being analyzed.
5.10	CERESlib	Stassi	01/15/03	No additional information was provided.

## **CERES Process Improvement Committee**

**Monday April 7, 2003 1:40pm**

The following topics were discussed:

### **Delivery Memo generated from SCCR Database**

Shonda O'Beirne is working with the GGEO subsystem to get something implemented for evaluation. If this goes well, then we plan to implement a similar capability for other subsystems which wish to have it.

### **Linux**

Henry attended the meeting where the Linux group presented their work to the Calipso group. He reported that they seem to have made significant progress. Also, Dave Loper has told him that the next version of Toolkit will have byte-swapping capability. Henry still believes that a load test needs to be performed, and he thinks that this should be done prior to spending more money on hardware, so that the money can be used to overcome bottlenecks which are discovered during the testing.

### **Future Direction of PIC**

We discussed what direction the PIC should go. There are other areas which could be investigated, but some CERES team members are questioning the reason for the PIC's existence. It is not clear how effective the PIC can be without cooperation from the team or a clear mandate from above.

The meeting adjourned at 2:10pm