

## **CERES Data Management Team Minutes for 01/15/2003**

### **Schedule:**

01/29-30/2003	CERES Data Products workshop at Norfolk Airport Hilton
02/2003-05/2003	CERES Proposal to Code Y for next 5 years
02/2003	CERES Data Management Delivery Process briefing to local Science community
03/10-11/2003	Code Y Review of CERES Data Products for Aqua and Terra
03/01/2003	All remote access to use 2-factor authentication (VPN)
03/2003-04/2003	Deep Space Calibration for Terra
05/15/2003	samantha moves to SCF
06/30/2003	SysAdmins must complete 3 <sup>rd</sup> Party ITS Certification Testing

### **Ongoing Activities:**

- B1250 Rehab (Planned completion ~11/2003)
- Workstation Modernization Program (Planned completion ~01/2003)
- ERBE Digital Library development and population (ongoing)

### **Priority Items:**

- Get STK 34-TB RAID (or equivalent) operational.
- Re-staging of MODIS data at ASDC to support faster processing/re-processing
- Documenting and gaining control of property accountability
- DMT Members obtain VPN accounts

### **Announcements:**

- No Procurement Requests can be submitted until FY03 funding is available. Continuing resolution until at least 02/01/03.
  - IT Moratorium prevents significant purchases of IT hardware or software except on Mission Critical basis
- SysAdmins will require IT Security Certification Testing prior to 06/30/03
- No new WinXP installations to be made due to IT Security considerations
- All CERES DMT members should apply for VPN service by 02/15/03.

## 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
<b>1.00</b>	<b>ASDC/ECS Interfaces</b>	Hopson/Sorlie/ Direskeneli	12/18/02	<p>All production platforms were in full production during the past week.</p> <p>StorageTek 9940 tape drives (200GB capacity) are being tested at LDAAC and GDAAC.</p> <p>Data on the 34TB RAID array continues to be recovered. Re-certification is expected during February with a restoration of full service by 02/28/03.</p> <p>Samantha has been upgraded to IRIX .16m. warlock will need to be upgraded to IRIX.17 to work properly with the 34TB array. Testing will be conducted to ensure that executables compiled in IRIX.16 will produce the same results when run in IRIX.17.</p> <p>Testing of the new daacget/daacfs results should be forwarded to J.Rowe.</p> <p>Compilers were not updated when samantha was upgraded to IRIX.16. This is being corrected.</p>
<b>2.00</b>	<b>SCF</b>	Flippo	01/15/03	H.Flippo to send sam2 SAR data directly to C.Harris Replacement SGI O2 workstations were ordered on 01/15/03.
<b>3.00</b>	<b>Toolkit</b>	Flippo	11/06/02	No additional information was provided.
<b>4.00</b>	<b>System Issues</b>			
4.01	Processing Strategy	Geier	01/15/03	See attachment
4.02	Systems Engineering Committee	Nolan/Sorlie/ Hopson/ Ayers/Cooper	01/15/03	An Acrobat (pdf) version of the Delivery Process Presentation is available on the Configuration Management web page.
4.03	Configuration Management	Ayers/Franklin/ Saunders	01/15/03	CCRs reported in the Subsystem Report were reviewed with no issues.

	& SCCR/DCCR Review			
<b>5.00</b>	<b>Working Group Status</b>			<b>(See posted Subsystem Status Reports)</b>
5.01	<b>External Interfaces- Instrument</b>	Hess	01/15/03	Mr. Hess was not in attendance.
5.01	<b>External Interfaces- Data Sources</b>	Sorlie	01/15/03	MODIS MOD04 and MOD08 data products were missing for March, 2000.
5.01	<b>External Interfaces- Customers</b>	Detweiler	01/15/03	Sample data tape has been received by Dr. Arnand; testing will begin upon receipt of a new tape drive. CERES Data Products workshop will be held on 01/29/03, 01/30/03. ASDC will provide assistance to attendees in gaining access to data and placing orders.
5.02	Simulator	Chapman	01/15/03	Since FM5 uses a similar architecture as FM4, the simulator will be able to support this instrument with almost no alteration.
5.03	Visualization/ Validation Tools	Lee	01/15/03	Development of view_hdf to run in MacOS X has been initiated. A version of view_hdf which supports opening multiple files is now available from the ASDC.
5.04	Instrument (SS 1)	Escuadra/Cooper/ Hess/Spence/ Szewczyk/Filer	01/15/03	Support to a validation mission using balloon observations will be provided, pending decision as to the mission location. Support to the GERB intercalibration is being provided with a trial effort on 01/20/03 and return to regular mode on 01/27/03. Second drift correction to radiances for Terra will be provided for the next re-processing (Edition3)
5.05	ERBE-like (SS 2, SS3)	Kizer/ Walikainen/ Robbins	01/15/03	HDFLook package was evaluated as very fast, but not as useful as view_hdf. CERESlib updates must be inserted on a month boundary for Aqua for Baseline 1, but can be inserted anytime for

				QC.
5.06	Clouds (SS 4.1, 4.2, 4.3)	Sun-Mack	01/15/03	No additional information was provided.
5.06	Clouds (SS 4.4)	Miller	01/15/03	No additional information was provided.
5.07	Inversion (SS 4.5, 4.6)	Nolan	01/15/03	Monthly SSF validation product will be included in next delivery. Currently 4P1 is running at the SDF and is available for use by all members of CERES.
5.08	SARB (SS 5.0, 7.2, 12.0)	Coleman	01/15/03	No additional information was provided.
5.09	<b>TISA</b> -(SS 6.0, 9.0) Gridding	Raju	01/15/03	SW calculations using Key footprint CSZ will provide substantially better representation of the data.
5.09	<b>TISA</b> - (SS 11.0) GGEO	Stassi	01/15/03	No additional information was provided.
5.09	<b>TISA</b> -(SS10.0, 8.0) Averaging	Nguyen	01/15/03	Delivery is scheduled for 01/27/03.
5.10	CERESlib	Stassi	01/15/03	The compiler defaults to dynamic, not static libraries. CERESlib startup scripts were changed to hardcode static FORTRAN libraries, when NAG is used, rather than accepted the default, dynamic libraries to ensure explicit control. This does not effect SGI compilers.

## **Supplement to Subsystem Report for 01/14/03 from E.Geier**

### **Active processing requests in approximate order of priority:**

- TRMM Edition1 GGEO / Edition2B SRBAVG (PR 116-02, 117-02)
- Terra Beta3 CRS (PR 2-03) process the following months in whatever order is easiest for ASDC at a very high priority. Contact Erika if slowing down SSF processing and using those resources for CRS would be helpful.  
January 2001      April 2001      July 2001      March 2000  
Processing the remaining months will be revisited when these 4 are complete.
- Instrument/ERBELike/MOA processing to continue at a high priority as the inputs/software are available.
  - Terra Edition2 BDS and ERBELike data sets (PR 74-02 to 79-02)
  - Terra Edition1/Baseline1-QC BDS and ERBELike data sets (standing requests)
  - Aqua Baseline1/Baseline1-QC BDS and ERBELike data sets (standing requests)
  - Aqua ValR1/ValR2/ValR3 BDS and ERBELike data sets (PR 106-02 to 114-02)
  - ECMWF GEOS4 MOA for Oct'02 - Oct'03 (PR 94-02)
- Terra Edition1A SSF (PR 84-02, 83-02): process the following months in the specified order, BUT if go ahead is given for TRMM Edition2B SRBAVG and ASDC can run it faster by taking resources from SSF production and applying them to GGEO and SRBAVG, then that should be done - even if it stops SSF production completely for a period of time.  
May 2000      June 2000      July 2000      August 2000  
Hopefully, by this time IES for Oct'01 will be available.
- Terra Beta1 SFC (PR 86-02, 96-02): Process April 2001 and July 2001 in whatever order is easiest for ASDC once 3/00 has finished. Processing remaining months (5/01, 6/01, and 4/00 to 8/00) at lower priority than April & July. (PGE 9.4 must be run for all SFC months for which binary is already available.)  
PR 86-02 updated to have and date of 7/01.

### **Processing requests expected to be active within 3-4 weeks are:**

- Aqua Beta2/Edition1 BDS/ERBELike to kickoff as soon as ValR1, ValR2, and ValR3 run and approved.
- ValR7 GGEO / Terra Beta1 SRBAVG: process same 4 months as CRS. Highest priority is March 2000. Remaining 3 months can be done in whatever order is easiest for ASDC. Do not promote Cathy's delivery for Terra Beta1 SRBAVG delivery until TRMM Edition2B SRBAVG is approved.
- TRMM Edition2B CRS: from binary Edition2B CRS files, regenerate the hdf files. A new PGE to do this has expected delivery date of 1/24/03. This will require that a ValR2 be run first.
- TRMM Edition2C FSW : Requires a ValR2 be processed first. Software delivery expected 1/24/03.
- Aqua Beta1 SSF: Cloud delivery expected 1/17/03. Inversion to delivery 1 week after Clouds.
- Terra Beta3 FSW (PR 1-03)

### **Issued processing requests which have been placed on hold:**

- TRMM Edition2B FSW (PR 115-02) This will most likely be replaced with Edition2C.
- Standing request for Baseline1 BDS, ERBELike. Continue processing Edition1 until all BDS & ERBELike data has been reprocessed as Edition2 and Science is happy with it. Only then will Edition1 be replaced by Baseline1.