CERES Data Management Team Minutes for 06/30/2004

• **Schedule**:

Mid-July, 2004   SCF Upgrades to IRIX 6.5.22m and MIPSpro 7.4
End-July, 2004   ASDC Upgrades to IRIX 6.5.22m and MIPSpro 7.4
07/15/2004   IOC replacement ceresarchive (hardware arrives on 07/02/04)
Fall, 2004   Earliest date for move back into B1250 (rumor stage only)

Ongoing Activities:

- ceresarchive replacement is in progress with hardware arriving next week

Priority Items:

- Development and Processing Priorities are based on Program commitments in FY2004/2005
  - Critical:
    - 3 years Terra Edition 2B SSF/SFC/SRBAVG (march 00 thru feb 03)
    - 1 year Terra Edition 2B CRS/FSW (crosstrack)
    - 1 year Aqua Edition 1A SSF/SFC
    - BDS/ERBE-Like Edition 1&2 Terra & Aqua as inputs available
  - Important:
    - 5 month Terra Beta SYN/AVG/ZAVG
    - 9 month TRMM Beta SYN/AVG/ZAVG
    - additional 6 months (through 12/03) of Aqua Edition 1A SSF
    - Additional 2 years of Terra CRS/FSW (crosstrack)
  - Nice to have:
    - 4th year of Terra Ed2B SSF/SFC/SRBAVG (through February, 2004)
    - 1 year Aqua Edition 1A SRBAVG
    - 1 year Aqua Edition 1A CRS/FSW
- Re-engineering of AtmSci network architecture to support security requirements

- **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	06/30/04	Clouds (SCCR536) will promote this morning. TISA Gridding (SCCR530) was completed yesterday. The CERES IBM 970 cluster will be available in November, 2004 with testing to occur in July, 2004. IRIX upgrade preparations are in progress. The ORIGIN350 should be available within two weeks. AMASS is in production on ECS. The INFORMIX applications will be eventually migrated to mySQL and postgreSQL; the database has been migrated to a SOLARIS 9.x platform during the interim.
2.00	**SCF**	Flippo	06/30/04	The QA server is filling faster than expected. Users should review data and remove it immediately after production on an ongoing basis.
3.00	**Toolkit**	Flippo	06/30/04	No additional information was provided.
4.00	**System Issues**			
4.01	Processing Strategy	Geier	06/30/04	No additional information was provided.
4.02	Systems Engineering Committee	Nolan/Sorlie/ Hopson/ Ayers/Cooper	06/30/04	No meeting was held since the last DMT Meeting.
4.03	Configuration Management & SCCR/DCCR Review	Ayers / Saunders	06/30/04	SCCR's still need to have the parameter impact statements. SCCR544 and SCCR545 were added after the report was submitted. They are appended to this report. SCCR 540 was replaced by SCCR545.
	Working Group Status			**(See posted Subsystem Status Reports)**
5.01	**External Interfaces-** Instrument	Spence	06/30/04	Terra/Aqua intercomparison will occur soon. GERB intercomparison with FM2 will occur on 07/01/04.
5.02	**External Interfaces-**	Link (Sorlie)	06/30/04	Data being received from the Data Assimilation Office

		Data Sources			(DAO) is OK through 02/23/00 and from 06/03/04 through the current date. The intervening period is undergoing evaluation.
5.03	**External Interfaces-** Customers	Kizer	06/30/04		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	06/30/04		The Earthshine paper has been discussed among the Science Team. 1 month of data and a sensitivity analysis of the gains changes for Terra are being performed. Updated Terra gains are expected to be available 07/23/04.
5.07	ERBE-like (SS 2, SS3)	Robbins Walikainen/	06/30/04		No additional information was provided.
5.08	Clouds (SS 4.1, 4.2, 4.3)	Sun-Mack	06/30/04		No additional information was provided.
5.09	Clouds (SS 4.4)	Miller	06/30/04		The Aqua PGE will be modified to provide a combined 07/16/04.
5.10	Inversion (SS 4.5, 4.6)	Nolan	06/30/04		No additional information was provided.
5.11	SARB (SS 5.0, 7.2, 12.0)	Coleman	06/30/04		No additional information was provided.
5.12	**TISA-**(SS 6.0, 9.0) Gridding	Raju	06/30/04		No additional information was provided.
5.13	**TISA-** (SS 11.0) GGEO	Stassi	06/30/04		No additional information was provided.
5.14	**TISA-**(SS10.0, 8.0) Averaging	Nguyen	06/30/04		SRBAVG test cases are being generated.
5.15	**CERESlib**	Stassi	06/30/04		No additional information was provided.

CERES Software Configuration Change Request Submittal

*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: SARB   SCCR Date: 06/29/2004   SCCR Number: 544

Description of Change (Science):
None.

Reason for Change (Science):
None.

Description of Change (non-Science):
Modified routine for printing data from SYN structure in sarb_params.f90.

Reason for Change (non-Science):
Previous implementation of print routine was incorrect. Note that this does not affect the SARB
delivery described in SCCR #541.

Affected PGEs : N/A
Est. Time to Complete Changes: 2 weeks
Planned Delivery Date : July 7, 2004
Impact : PGEs 7.2 and 8.0
Date: 06/29/2004 Status: SUBMITTED
Originator: CALDWELL, THOMAS E. (SAIC)

CERES Software Configuration Change Request Submittal

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*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: SynSARB   SCCR Date: 06/29/2004   SCCR Number: 545

Description of Change (Science):
None.

Reason for Change (Science):
None.

Description of Change (non-Science):
Modified intsyn_io.f90 module to correct previous inclusion of UV and corrected SW parameters
in open, read, write, and print routines.

Reason for Change (non-Science):
The routines did not need to be modified as indicated by SCCR #540 because the new parameters
are included in the main output structure for SYN. Note that this does not affect the SARB deliv-
ery described in SCCR #541.

Affected PGEs : N/A
Est. Time to Complete Changes: 1 day
Planned Delivery Date : July 7, 2004
Impact : PGEs 7.2 and 8.0
Date: 06/29/2004 Status: SUBMITTED
Originator: CALDWELL, THOMAS E. (SAIC)