January 7, 2009 - System Issues and Status

Table 1: Process Strategy/Coleman as of 1/06/2009
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
M-PR 3-02		NSIDC-NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	
Standing requests AM- PR 1-05 to 7-05	Terra	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests AM- PR 1-00 to 7-00.
Standing requests PM-PRs 15-05 to 18-05	FM3	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 1-05 to 4-05.
Standing requests PM-PRs 11-05 to 14-05	FM4	Ed1-CV-NoSW	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 7-05 to 10-05.
PR 6-09	FM1 or FM2	Edition2B	TSI	7.1.1P1	3/1/2000 – 10/31/05	Ready. Process 1st year, then do 1st year of PR 5-09.
PR 5-09	FM1 or FM2	Edition2B	SYNI	7.2.1P1	3/1/2000 – 10/31/05	Ready. Process 1st year, and then do 1st year of 3-09.
PR 4-09	FM1 or FM2	Edition2B	SYN/AVG /ZAVG	8.1P1	3/1/2000 – 10/31/05	ON HOLD pending evaluation of Beta6. Process 1st year, then do 1st year of PR 1-09.

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PR 3-09	FM3 or FM4	Edition2	TSI	7.1.1P1	7/1/2002 – 10/31/05	Ready. Process 1st year, then do 1st year of PR 2-09.
PR 2-09	FM3 or FM4	Edition2B	SYNI	7.2.1P1	7/1/2002 – 10/31/05	Ready. Process 1st year, then go back to PR 6-09.
PR 1-09	FM3 or FM4	Edition2B	SYN/AVG /ZAVG	8.1P1	7/1/2002 – 10/31/05	ON HOLD pending evaluation of Beta6. Process 1st year, then go back to PR 4-09.
PR 88-08	FM1	Beta5	TSI	7.1.1P1	04/01	Done. 12/14/08
PR 87-08	FM1	Beta5	SYNI	7.2.1P1	04/01	Done. 12/16/08
PR 86-08	FM1 or FM2	Beta6	SYN/AVG /ZAVG (SS 8)	8.1P1	01/01 – 12/01	Done. 12/20/08
PR 85-08	FM3 or FM4	Beta6	SYN/AVG /ZAVG (SS 8)	8.1P1	07/02 10/02 1/03 4/03	Done. 12/22/08
PR 83-08	FM3 or FM4	Beta1	ISCCP-D2like-Day/Nit	9.0P1	07/2002 – 08/2007	Done. 12/22/08
PR 82-08	GEO	Beta1	GGEO ISCCP-D2like	11.7P1	03/2000 – 10/2005 (months with corresponding GGEO data)	Done. 1/6/09
PR 92-08	CERES	DAO-G5-CERES	MOA	12.1P1	9/30/2007 – 12/31/2007	Done. 12/31/08
PR 91-08	CERES	DAO-G5-CERES	PMOA	9.1P1	10/2007 – 11/2007	Pending promotion
PR 90-08	CERES	DAO-G5re-CERES	MOA	12.1P1	10/2007 – 10/31/207	Done. 12/31/08
PR 57-08	FM1, FM2	Edition2A-QC	SSFI Clouds	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/07 – 9/1/07	ON HOLD

Table 1: Process Strategy/Coleman as of 1/06/2009
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 56-08	FM1, FM2	Edition2F	SSF Inversion	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/07 – 9/1/07	ON HOLD
PR 55-08	FM1, FM2	Edition2F	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	12/31/06 hr 12 – 9/1/07 hr 11	ON HOLD
PR 54-08	FM1 V005 MOD08	Edition2F	CRS Inst SARB	5.0P1 5.1P1 5.4P1	1/1/07 – 8/31/07	ON HOLD
PR 53-08	FM1	Edition2F	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	1/1/07 – 8/31/07	ON HOLD
PR 84-08	FM1 or FM2	Beta1	ISCCP-D2like-Day/Nit	9.0P1	03/2000 – 08/2007	ON HOLD
PR 64-08	FM3, FM4	Edition1B-IGBP	SSFI Clouds	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	01/01/2004 – 12/31/2005	In Progress - IN THE BACKGROUND PRIORITY.
PR 63-08	FM3, FM4	Ed2C-MOD-C4-Land-IGBP	SSF Inversion	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	01/01/2004 – 12/31/2005	In Progress
PR13-09	CERES	DAO-G5-CERES	MOA	12.1P1	1/1/08 – 1/1/09	Pending input
PR 12-09	CERES	DAO-G5-CERES	PMOA	9.1P1	1/08 – 12/08	Pending promotion and input
PR 7-09	FM1	ValR12	CRS Inst SARB	5.0P1 5.1P1 5.4P1	5/1/07 – 5/31/07	Pending promotion
PR 11-09	FM3	ValR10	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	6/30/07 – 8/1/07	Pending promotion
PR 10-09	FM3	ValR10	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	6/30/07 – 8/1/07	Pending promotion
PR 09-09	FM1	ValR10	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	4/30/07 – 6/1/07	Pending promotion
PR 08-09	FM1	ValR10	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	4/30/07 – 6/1/07	Pending promotion

Table 2. January 7, 2009 - System Issues and Status

Activity	Lead	Status
CM/Documentation	Ayers (Saunders)	• See Table 2 for the current CERES Subsystem Delivery Schedule and Table 3 for the current CERES Coefficients Delivery Schedule. (Ayers) • See Table 4 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 4. (Ayers) • The TISA Gridding delivery (SCCR 685) is being tested on *magneto-P4*. (Ayers) • The TISA Gridding Operator's Manual (SCCR 685) was updated, posted on the Web, and delivered to the ASDC. (Saunders) • The TISA Gridding Test Plan (SCCR 685) was updated and provided to CM for testing. (Saunders) • The AVG, SYN, and ZAVG sample read packages were updated and delivered to the ASDC. (Ayers) • The AVG, SYN, and ZAVG DPC sections were updated, and the entire DPC was regenerated. (Saunders) • The Promoted Directories document was updated for Instantaneous SARB PGEs 5.1P1 and 5.4P1, all TISA Gridding PGEs, and CERESlib and provided to the ASDC. (Ayers) • A TISA Gridding script that was missing from the delivery for SCCR 684 was provided to the ASDC. (Ayers) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders)

Table 3. CERES Subsystem Delivery Schedule - January 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
TISA Gridding (SCCR 685)	December 5	December 19	December 26	SFC and FSW Edition2 on *magneto*.			*magneto-P4*
Inversion (SCCR 690)	January 2	January 16	January 23	All Terra and Aqua Edition2 PGEs on *magneto*.			*magneto-P4*
Clouds	January 16	January 30	February 6	Terra and Aqua Edition2 on *magneto*.			*magneto-P4*
TISA Averaging (SCCR 650)	January 30	February 13	February 20	Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing. New PGEs: CER10.0P1, CER10.0P2, & CER10.0P3.	X	X	*magneto-P4*
ERBE-like	February 13	February 27	March 6	To process everything including all of Edition3 on *magneto*.			*magneto-P4*
Regrid MOA	February 13	February 27	March 6	To process the G5 CERES data that will be coming to support Edition3.			*magneto-P4*
TISA Gridding	Winter			New PGE 9.0P2 (?) for new ISCCP-D2-like-Flux (?) product.		X	*magneto-P4*
GGEO (SCCR 653)	Spring			Initial coefficient delivery for 11/05 - 8/07. Code delivery to support Beta10 GGEO processing.			*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule - January 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
Clouds	April 17	May 1	May 8	Terra and Aqua Beta2/Edition3.			*magneto-P4*
Inversion	April 24	May 8	May 15	Terra and Aqua Beta2/Edition3.			*magneto-P4*
GGEO	Spring 2009			New PGE 11.7P2 (?) for new ISCCP-D2-like-Merge (?) product.		X	*magneto-P4*
TISA Gridding	May 22	June 5	June 12	SFC Beta2/Edition3.			*magneto-P4*
TISA Averaging	June 26	July 10	July 17	SRBAVG Beta2/Edition3. Adding Model C surface fluxes and solar insulation.			*magneto-P4*
Clouds	???			Support TRMM VIRS-only processing of August 2001 forward.			*magneto-P4*
Inversion	Two to four weeks after Clouds			Support TRMM VIRS-only processing.			*magneto-P4*
Instrument (SCCR 641)	???			Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	*magneto-P4*

Table 4. CERES Coefficients Delivery Schedule – January 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
GGEO	???			Final coefficients for 11/05 - 08/07.	*warlock/ magneto*
Instrument/ ERBE-like	N/A	January 16		Edition2 gains and spectral response function files for September 2007 – June 2008.	*warlock/ magneto*
Instrument/ ERBE-like	N/A	???		Edition2 gains and spectral response function files for July 2008 – December 2008.	*warlock/ magneto*
Instrument/ ERBE-like	N/A	???		Terra Edition3 gains and spectral response function files.	*warlock/ magneto*
Instrument/ ERBE-like	N/A	???		Aqua Edition3 gains and spectral response function files.	*warlock/ magneto*
Instrument/ ERBE-like	N/A	???		TRMM Edition3 gains and spectral response function files.	*warlock/ magneto*

Table 5. SCCR Activity December 8 at 4:00 p.m. – January 5 at 3:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
688				X		CERESlib		
686				X		12		

S=Submitted; **U**=Updated; **A**=Approved; **C**=Closed; **D**=Disapproved; **SS**=Subsystem

Table 6. January 7, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Coleman Zentz	• Tonya has enabled the ability to have dual TK versions.	
1.0	Cooper (Walikainen)	• Tracking of Terra/Aqua ingest continues. In December there was a problem with the Terra Spacecraft and data will be unrecoverable from that time. (Cooper, Snyder) • Edition2 validation runs are complete and analyses are being done. Once the analyses have been approved by Kory, a delivery of the updated gains thru June 2008 will be made. (Cooper) • Testing of the Ada code on the x86 platform continues. The code has been compiled and work to add the appropriate byte swapping is being done. (Chu, Cooper)	
2.0	Walikainen (Cooper)	• Continuing to examine QC checker email generated during production. (Walikainen) • Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen) • Created nadir files to extend Edition2 data (Sep07-Jun08). These nadir files will go through our direct compare, tropical mean and three channel analysis. This first run, labeled Test 0, keeps the gains and unfiltering coefficients for this ten-month extension at Aug07 values. The direct compare shows no change over these ten months. (Walikainen)	
3.0	Walikainen (Cooper)	Combined with above.	

Table 6. January 7, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack (Brown)	• Created an SSF Web Viewer. (Chen, R. Brown) • Worked on adding in Cloud Fraction With NoVINT Retrieval to QC Viewer package. Processed QC results for Cloud Fraction W/NoVINT for monthly Terra and Aqua Edition results. (R. Brown) • Studied IBM Dx and IDL graphing languages. (Smith) • Began work on IDL program to chart ISCCP Zonal averages for each parameter at 15 different Latitude subsets. (Smith) • Added top and bottom temperature and height to CERES QC outputs. Modified code and tested. (Smith) • Modified existing script which generates Terra Edition 2A images so that it automatically moves images into the appropriate folder on the NFS mount so they can be displayed on the web site as soon as the images and coordinate list are generated. (Heckert) • Loaded Terra Edition 2A images from 1/5, 1/12, 1/19, 1/26, 1/6, 1/13, 4/6, 4/13, 4/20, 4/27, 7/6, 7/13, 7/20 and 7/27 of 2007 into the Google Map tool. (Heckert) • Working on Snow Ice mesh 16. (Rutan, Sun-Mack) • Working on GGEO clouds. (Raja, Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

Table 6. January 7, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.4	Miller (Sun-Mack)	• Successfully created scientifically equivalent output from convolution on asdcsm1, IBM x86 machine, using the GFortran compiler. Two work arounds were implemented to the code. They concerned structure arrays in structures. (Miller) • Provided a draft Edition3 SSF Data Product Catalogue page with Deep Blue aerosol and the other two new variables for review. (Miller) • Monitored Aqua MIGBP run. Six, two, five, six, and two hours failed respectively for January through May 2004. Clouds failed in two hours, one job didn't appear to actually start, and the remainder did not have an IES. (Miller)	
4.5	Sothcott	• Attended weekly SOFA working group meetings. (Sothcott) • Continued testing of Inversion code on Mac cluster and have started testing on *magneto*. (Sothcott) • Continued support of the ADM working group recovery requests for missing subset data. (Sothcott)	
4.6	Sothcott	Combined with above.	
5.0	Caldwell (Coleman)	• No new updates.	
7.2	Caldwell (Coleman)	• No new updates.	
12.0	Caldwell (Coleman)	• Produced 4 months of Edition3 MOA using G5 sample data at SCF. (Caldwell) • Preparing for Edition3 MOA delivery in February. (Caldwell)	
7.1	Nguyen (Raju, Filer)	• No new updates.	
8.0	Nguyen (Raju, Filer)	• Ran May 2001 Terra SYN, AVG, ZAVG with Toolkit 15 and compared with data from Toolkit 12. The comparison was successful. (Nguyen) • Redelivered the sample read package to correct the version of the data. (Nguyen) • Comparing 2001 Terra Beta5 and Beta6 SYN/AVG/ZAVG. (Nguyen)	

Table 6. January 7, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
10.0	Nguyen (Raju, Filer)	• Wrote program to use NetCDF. The program worked on SGI but not on the iMac. (Nguyen)	
6.0	Raju (Nguyen)	• Completed PGEs 6.1P1 - 6.3P1 delivery (SCCR 685) to CERES CM. Sent updated documents to CERES documentation. (Raju)	
9.0	Raju (Nguyen)	• Completed PGEs 9.2P1 - 9.4P1 delivery (SCCR 685) to CERES CM. Sent updated documents to CERES documentation. (Raju) • Created a new CVS repository to include Gridding software in the new directory structure. (Raju)	
11.0	Raju (Nguyen)	• Continue to check MET9 data process to find the reason for the cloud area percent that is mostly 100% for the day time hours. (Raju, Sun-Mack) • Dave Doelling decided to replace MTS1 data with B1U data for months 11/05 – 09/07 due to problems with MTS1 data. Downloaded IDL, FORTRAN B1U data set read packages and the data files from the ncdc web site and working to execute programs at SCF. (Raju) • Received coefficients for all satellites from Dave Doelling, but found errors in the launch dates. Waiting for the new set of coefficients from him. (Raju) • Created a new CVS repository to include ggeo software in the new directory structure. (Raju)	
Special Development Corner		• No report received.	