

June 11, 2008 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 6/9/08
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	
PR 8B-08	FM1 or FM2	Beta4w	Syn SARB (SS 7.2)	7.2.1P1	1/01	Done.
PR 7B-08	FM3 or FM4	Beta4w	Syn SARB (SS 7.2)	7.2.1P1	1/03	Done.
PR 129-07	FM1 or FM2	Beta4	TISA avg (SS 7.1)	7.1.1P1	4/00 – 10/05 seasonal months only	Done. 6/3/08
PR 128-07	FM1 or FM2	Beta4	Synoptic SARB (SS 7.2)	7.2.1P1	4/00 – 10/05 seasonal months only	In progress.
PR 127-07	FM3 or FM4	Beta4	TISA avg (SS 7.1)	7.1.1P1	7/02 – 10/05 seasonal months only	Ready to process.
PR 126-07	FM3 or FM4	Beta4	Synoptic SARB (SS 7.2)	7.2.1P1	7/02 – 10/05 seasonal months only	Ready to process.
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.

Table 1: Process Strategy/Coleman as of 6/9/08
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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.
44-08	FM1, FM2, FM3, FM4	ValR11	Spec. Corr. Coef. ERBE-like	2.4P1	01/07 08/07	Process as soon as resources are available.
36-08	FM1, FM2, FM3	ValR11	Instr. gains	1.3P1	1/01/07 – 2/01/07 4/30/07 – 6/01/07 7/31/07 - 9/01/07	Process as soon as resources and inputs are available.
37-08	FM4	ValR11	Instr. gains	1.3P1	1/01/07 – 2/01/07 4/30/07 – 6/01/07 7/31/07 - 9/01/07	Process as soon as resources and inputs are available.
38-08	FM1, FM2, FM3	ValR11	PreS8 (Instr)	1.2P1	1/01/07 – 2/01/07 4/30/07 – 6/01/07 7/31/07 - 9/01/07	Process as soon as resources and inputs are available.
39-08	FM4	ValR11	PreS8 (Instr)	1.2P1	1/1/07 – 2/01/07 4/30/07 – 6/01/07 7/31/07 - 9/01/07	Process as soon as resources and inputs are available.
43-08	FM1, FM2, FM3, FM4	ValR11	ES8 (ERBE- like)	2.2P1	1/1/07 – 1/31/07 5/01/07 – 5/31/07 6/01/07 - 6/30/07	Process as soon as resources and inputs are available.
42-08	FM1, FM2, FM3, FM4	ValR11	Overlap (ERBE- like)	2.3P1	2/01/07 6/01/07 9/01/07	Process as soon as resources and inputs are available.
41-08	FM1, FM2, FM3, FM4	ValR11	Overlap (ERBE- like)	2.3P2	7/31/07 8/31/07	Process as soon as resources and inputs are available.
40-08	FM1, FM2, FM3, FM4	ValR11	ES4, ES9	3.1P1	09/07	Process as soon as resources and inputs are available.
17-08	FM1	Beta1	ISCCP- D2like (TISA Gridding)	9.0P1	Assorted dates, see PR	Delivered.

Table 1: Process Strategy/Coleman as of 6/9/08
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 19-08	FM3	Beta1	ISCCP-D2like (TISA Gridding)	9.0P1	Assorted dates, see PR	Delivered.
PR 20-08	FM4	Beta1	ISCCP-D2like (TISA Gridding)	9.0P1	Assorted dates, see PR	Delivered.
PR 18-08	FM2	Beta1	ISCCP-D2like (TISA Gridding)	9.0P1	Assorted dates, see PR	Delivered.
PRs 21-08 through 35-08		ValR10, ValR10-Ed2	Instrument and ERBE-like	1.1P3, 1.1P5, 1.2P1, 1.3P1, 1.3P3, 1.3P2, 2.2P1, 2.3P1, 2.3P2	Assorted dates, see PRs	ON HOLD until after PRs 36-08 through 44-08 are complete.
PR 4-08	FM3	Edition2C	TISA gridding (SS 6)	6.1P1 6.2P1 6.3P1	5/1/06 – 12/31/06	Dec 06 waiting on 1/1/07.
PR 1-08	FM1	Edition2F	TISA gridding (SS 6)	6.1P1 6.2P1 6.3P1	5/1/06 – 12/31/06	Dec 06 waiting on 1/1/07 CRS.
PR 11-08	FM3, FM4	Beta1-Ed3	Clouds (SS4.1-4)	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	10/03, 1/04, 4/04, 7/04, and 7/06	Ready to process.
PR 12-08	FM1, FM2	Beta1-Ed3	Clouds (SS4.1-4)	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	10/03, 1/04, 4/04, 7/04, and 7/06	In Progress.
PR 13-08	FM3, FM4	Beta1-Ed3	Inversion (SS4.5-6)	4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	10/03, 1/04, 4/04, 7/04, 1/06, and 7/06	Redelivered.
PR 14-08	FM1, FM2	Beta1-Ed3	Inversion (SS4.5-6)	4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	10/03, 1/04, 4/04, 7/04, 1/06, and 7/06	Redelivered.
PR 111-07	FM1, FM2	ValR9	TISA avg (SS10)	10.0P1 10.0P2 10.0P3	7/02, 1/03	PR closed. To be reopened at a later date.

Table 1: Process Strategy/Coleman as of 6/9/08
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 108-07	FM1, FM2	Edition2E	TISA avg (SS10)	10.0P1 10.0P2 10.0P3	3/00 - 10/05	PR closed. To be reopened at a later date.
PR 113-07	FM3, FM4	ValR9	TISA avg (SS10)	10.0P1 10.0P2 10.0P3	7/02, 1/03, 10/04	PR closed. To be reopened at a later date.
PR 112-07	FM3, FM4	ValR10	TISA avg (SS10)	10.0P1 10.0P2 10.0P3	7/02, 1/03	PR closed. To be reopened at a later date.
PR 110-07	FM3	Edition2B	TISA avg (SS10)	10.0P1 10.0P2 10.0P3	7/02 - 10/05	PR closed. To be reopened at a later date.
PR 109-07	FM4	Edition2B	TISA avg (SS10)	10.0P1 10.0P2 10.0P3	7/02 - 3/05	PR closed. To be reopened at a later date.

Table 2. June 11, 2008 - System Issues and Status

Activity	Lead	Status
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> • See Table 3 for the current CERES Subsystem Delivery Schedule and Table 4 for the current CERES Coefficients Delivery Schedule. (Ayers) • See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers) • Delivered the Terra and Aqua Edition2 gains and spectral response function files for December 31, 2006, through September 1, 2007, to the ASDC. (Ayers) • Installed the Clouds delta delivery (SCCR 673) on <i>warlock</i> and released it to the ASDC. (Ayers) • Installed the Synoptic SARB delta delivery (SCCR 676) on <i>warlock</i> and <i>magneto</i> and released it to the ASDC. (Ayers) • Provided an updated PCF generator script for Clouds (SCCR 673) to the ASDC. (Ayers) • Retesting Inversion (SCCR 666) after receiving updated files. (Ayers) • Updated the TISA Gridding (SCCR 672) and Clouds (SCCR 673) Operator's Manuals, delivered them to the ASDC, and posted the on the Web. (Saunders) • Updated the File Management Policy with modifications to Inversion and TISA Gridding, distributed it, and posted it on the Web. (Saunders) • Updated the SARB Requirements Log and posted it on the Web. (Saunders) • Began converting the CERES ES-9 Collection Guide to Word. (Saunders) • Updated the CERES Subsystem and Coefficients Delivery Schedules and posted them on the Web. (Ayers, Saunders) • Biggest frustration since the last DMTM: dealing with the quirks of Word.

Table 3. CERES Subsystem Delivery Schedule - June 2008

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 Averaging (SCCR 667)	January 18	March 7	March 14	To support Terra Beta4 and Aqua Beta1 AVG, ZAVG, and SYN processing.			<i>warlock & magneto</i>
TISA Averaging (SCCR 650)	May 23	June 6	June 13	Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing. New PGEs: CER10.0P1, CER10.0P2, & CER10.0P3.		X	<i>warlock & magneto</i>
GGEO (SCCR 675)	May 30	June 27	July 4	Support Beta1 processing of new ISCCP-like, crosstrack-only, GEO data product based on GGEO. New PGE CER11.7P1.		X	<i>warlock & magneto</i>
GGEO (SCCR 653)	July 11	July 25	August 1	Final coefficient delivery for 11/05 - 12/05. Initial coefficient delivery for 1/06 - 12/06. Code delivery to support Beta10 GGEO processing.			<i>warlock & magneto</i>
ERBE-like	August			To process on <i>magneto</i> .			<i>warlock & magneto</i>
Regrid MOA	Fall			To process the G5 CERES data that will be coming to support Edition3.			<i>warlock & magneto</i>

Table 3. CERES Subsystem Delivery Schedule - June 2008

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		Fall		Support TRMM VIRS-only processing of August 2001 forward.			<i>warlock & magneto</i>
Inversion		Two to four weeks after Clouds		Support TRMM VIRS-only processing.			<i>warlock & magneto</i>
Inversion		Fall		Support Beta2-Edition3 processing.			<i>warlock & magneto</i>
TISA Gridding		Two weeks after Inversion		PMOA delivery dealing with overlap file checking and reading G5-CERES MOA input. Also, support Beta2-Edition3 SFC processing.			<i>warlock & magneto</i>
Instrument (SCCR 641)		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	<i>warlock & magneto</i>

Table 4. CERES Coefficients Delivery Schedule - June 2008

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
GGEO	August			Final coefficients for 1/06 - 12/06.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		Terra Edition3 gains and spectral response function files for February 2000 - June 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		Aqua Edition3 gains and spectral response function files for June 2002 - March 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		Terra Edition3 gains and spectral response function files for July 2005 - December 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		Aqua Edition3 gains and spectral response function files for April 2005 - December 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		TRMM Edition3 gains and spectral response function files for December 1997 - April 2000.	<i>warlock/ magneto</i>

Table 5. SCCR Activity May 27 at 10:30 a.m. – June 9 at 3:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
610			X			1		
658				X		4.1-4		
672			X			9		
673			X			4.1-3		
674				X		5		
675			X			11		
676	X		X			7.2	9	

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

CERES Software Configuration Change Request Submittal

=====

Subsystem: SynSARB

SCCR Date & TIME: 2008-06-05 15:55:08

SCCR No.: 676

Parameter Change: () YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
(Req# 7.2-1.24)
Modification of input filename search algorithm in the PCF generator.

Reason for Change (non-Science):
(Req# 7.2-1.24)
The current search algorithm is causing the PCF generator to run very slowly. This adversely affects production scheduling.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem:7.2.1

Estimated Time to Complete Change: 1 day

Planned Delivery Date: June 6, 2008

List Affected Subsystems and PGE Names: Synoptic SARB

Originator: CALDWELL, THOMAS E. (SSAI)

Table 6. June 11, 2008 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Coleman Zentz	<ul style="list-style-type: none"> • All compression options tested with no favorable results. (Caldwell) • Status request sent to hdfgroup. (Coleman) 	
1.0	Cooper (Walikainen)	<ul style="list-style-type: none"> • No report received. 	
2.0	Walikainen (Cooper)	<ul style="list-style-type: none"> • Continuing to examine QC checker email generated during production. (Walikainen) • Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen) • Converting non-production code used to determine Edition2 gains and spectral response changes. This code uses nadir files as inputs and currently only works at the SCF. The associated run scripts are being translated in to PERL and tested on NAGACITY. (Walikainen) • Two special operations are scheduled for this month. Both will start on the 10th and run to the 30th. Every orbit FM1 and FM3 will be used for the annual intercalibration over Greenland. Three or four orbits per day FM2 will be intercalibrated with GERB. (Instrument Team) 	
3.0	Walikainen (Cooper)	Combined with above.	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Processed Annual QC Global images and statistics for Aqua Edition1B and Terra Edition2A-QC. Annual averages were also processed for 2007 for Aqua and Terra CERES/FLASHflux datasets. Update web scripts to include results. (R. Brown) • Worked on developing animation tool to use with Clouds results. (R. Brown) • Worked on A-train. (Sun-Mack) 	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

Table 6. June 11, 2008 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.4	Miller (Sun-Mack)	<ul style="list-style-type: none"> • Delivered updated PCF generator script and MODIS IGBP map. (Miller) • Updated type definition for CALIPSO, CloudSat, CERES, and MODIS (C3M) product. (Miller) • Modified software for additional variables and refined algorithms for processing CALIPSO, CloudSat, CERES, and MODIS (C3M) product. (Miller) • Monitored Terra Beta1 Edition3 processing for 200310. (Miller) 	
4.5	Sothcott	<ul style="list-style-type: none"> • Attended weekly SOFA working group meetings. (Sothcott) • Delivered updated pcfgen scripts and test plan for PGEs CER4.5-6.1P4, CER4.5-6.1P5 and CER4.5-6.2P3 to resolve error with the new directory structure. (Sothcott) • Tested recommendations from Scott Zentz concerning hdf compression issues in TK 5.2.15, there was no change to the results, still failed. (Sothcott) 	
4.6	Sothcott	Combined with above.	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • Trying to make Toolkit 15 work with CRS software. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> • Made delivery of SCCR 676 to correct SYN PCF runtime issue. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. 	
7.1	Nguyen (Raju)	<ul style="list-style-type: none"> • No new updates. 	

Table 6. June 11, 2008 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
8.0	Nguyen (Raju)	<ul style="list-style-type: none"> • Corrected code to work on <i>magneto</i>. (Nguyen) • Worked with Joe Howell on running code on <i>warlock</i> with the Speed Shop software to establish the environment to capture performance data. (Nguyen) • Looked into possibilities to change the code to get less I/O time. (Nguyen) • Updating code to change the read input data to get better time performance. (Nguyen) 	
10.0	Nguyen (Raju)	<ul style="list-style-type: none"> • Testing code on <i>warlock</i> and <i>magneto</i>. (Nguyen) • Preparing documentations for the upcoming delivery. (Nguyen) 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> • No new updates. (Raju) 	
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> • No new updates. (Raju) 	

Table 6. June 11, 2008 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Processed 01/06 MET8, MET5, G-10, G-12 satellite data through updated 3-hrly code at SCF for validations. Working with Dave Doelling, Michele and validating/creating data files for time line cloud plots from Mar00 – Dec06. (Raju) • Modified 1-hourly GGEO main processor code to work with 8-bit/10bit data as requested by Dave Doelling. (Raju) • Successfully tested PGEs 11.1P10, 11.2P2 in new directory structure on <i>warlock</i>. (Raju) • Work continued to convert GGEO main, post processor PCF shell scripts to perl. (Raju) • PGE CER11.7P1 test runs on <i>mac/warlock/magneto</i> showed processing time variations from 6 minutes on <i>mac</i> to ~19 minutes on <i>warlock/magneto</i>. Looking into the issue. (Raju) • Completed updating GGEO test plan to include new PGE CER11.7P1 information. Started updating the Operator's manual. (Liz Filer, Raju) • Completed writing CER11.7P1 PCF scripts in perl. Started testing the process at SCF. (Liz Filer, Raju) • Modifying the code to write header record on the ISCCP HDF product to define 18 Cloud categories as requested by Moguo. (Raju) • Preparing for CER11.7P1 delivery. (Raju, Liz Filer) 	

General Status

Questions regarding *magneto* for DMT meeting discussion:

- IDL
- Would like to identify an ASDC SA to help team members with differences encountered testing on different blades