

April 18, 2007 - System Issues and Status

**Table 1: Process Strategy/Geier as of 04/18/07
Active Requests in order of priority (1 of 4)**

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 69-07	FM1 or FM2	Beta3	TISA avg (SS 8)	8.1P1 8.2P1	3/00 - 2/03	Highest Priority
PR 5-07	FM1 or FM2	Beta3	Synoptic SARB (SS 7.2)	7.2.1P1	6/01, 3/03 - 10/05, 1/03	
PR 69-07	FM1 or FM2	Beta3	TISA avg (SS 8)	8.1P1 8.2P1	3/03 - 10/05	
PR 84-07 to 89-07	FM3 or FM4	ValR10	Inst. SARB (SS 5)	5.0P1 5.1P2 5.4P2	3 select months (7/01, 12/05, 4/06)	
PR 79A-07 to 79D-07	FM1 or FM2	Edition2B	Inst. SARB (SS 5)	5.0P1 5.1P1 5.4P1	Select months/ days	Validation files for Terra must be called Edition2B and be run with a cc# that distinguishes them as such.
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.

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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 45-07 to 49-07	FM3	Edition2	Instrument/ ERBELike (SS 1-3)	2.4P1 1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 3.1P1	2006	
PR 20-07 to 30-07	FM1, FM2	Edition2	Instrument/ ERBELike (SS 1-3)	2.4P1 1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 3.1P1 3.2P1	2006	
PR 12-07	FM3	Edition2B	Inversion (SS4.5-6)	4.5-6.6P3 4.5-6.2P2 4.5-6.4P1	7/2/02 hr 15 to 1/1/06 hr 11	
PR 9-07	FM3	Edition2B	TISA grid (SS 9)	9.2P1 9.3P1 9.4P1	7/2/02 hr 15 to 1/1/06 hr 11	
PR 11-07	FM4	Edition2B	Inversion (SS4.5-6)	4.5-6.6P3 4.5-6.2P2 4.5-6.4P1	7/2/02 to 3/30/05 hr 17	
PR 8-07	FM4	Edition2B	TISA grid (SS 9)	9.2P1 9.3P1 9.4P1	7/2/02 to 3/30/05 hr 17	
PR 68-07	FM3, FM4, MODIS 004	Edition1A	Clouds (SS4.1-4)	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	1/1/06 - 5/1/06	

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PR 67-07	FM3	Edition2B	Inversion (SS4.5-6)	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	1/1/06 - 5/1/06	
PR 65-07	FM3	Edition2B	TISA grid (SS 9)	9.2P1 9.3P1 9.4P1	1/1/06 - 5/1/06	
PR 81-07 to 83-07	FM3	Edition2B	SARB (SS5)	5.0P1 5.1P2 5.4P2	12/31/05 - 6/30/06	Wait for Aqua ValR10 CRS approval.
PR 80-07	FM3	Edition2B	TISAgird (SS6)	6.1P1 6.2P1 6.3P1	12/31/05 - 6/06	Wait for Edition2B CRS.
PR 63-07	FM1, FM2, MODIS 004	Edition2-QC	Clouds (SS4.1-4)	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	1/1/06 - 5/1/06	
PR 62-07	FM1	Edition2B	Inversion (SS4.5-6)	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	3/1/06 - 5/1/06	
PR 60-07	FM1	Edition2C	TISA grid (SS 9)	9.2P1 9.3P1 9.4P1	3/1/06 - 5/1/06	
PR 61-07	FM2	Edition2B	Inversion (SS4.5-6)	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/06 - 5/1/06	
PR 59-07	FM2	Edition2C	TISA grid (SS 9)	9.2P1 9.3P1 9.4P1	1/1/06 - 5/1/06	
PR 74-07 to 76-07	FM2	Edition2B	SARB (SS5)	5.0P1 5.1P1 5.4P1	12/31/05 - 3/1/06	Wait for Terra Validation CRS to be approved.
PR 72-07	FM2	Edition2C	TISAgird (SS6)	6.1P1 6.2P1 6.3P1	12/31/05 - 3/1/06	Wait for Edition2B CRS.
PR 77-07 to 79-07	FM1	Edition2B	SARB (SS5)	5.0P1 5.1P1 5.4P1	3/1/06 - 5/1/06	Wait for Terra Validation CRS to be approved.

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 73-07	FM1	Edition2C	TISAgird (SS6)	6.1P1 6.2P1 6.3P1	3/1/06 - 5/1/06	Wait for Edition2B CRS.
PR 40-07 to 44-07	FM4	Ed2-NoSW	Instrument/ ERBELike (SS 1-3)	2.4P1 1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 3.1P1	2006	
PR 10-07	FM4	Ed2B-NoSW	Inversion (SS4.5-6)	4.5-6.6P3 4.5-6.2P2 4.5-6.4P1	3/30/05 hr 18 to 1/1/06	
PR 7-07	FM4	Ed2B-NoSW	TISA grid (SS 9)	9.2P1 9.3P1 9.4P1	3/31/05 hr 12 to 1/1/06 hr 11	
PR 66-07	FM4	Ed2B-NoSW	Inversion (SS4.5-6)	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	1/1/06 - 5/1/06	
PR 64-07	FM4	Ed2B-NoSW	TISA grid (SS 9)	9.2P1 9.3P1 9.4P1	1/1/06 - 5/1/06	
M PR 2-06		GEOS4	MOA (SS12)	12.1P1	Standing request	
M PR 1-06		GEOS4	PMOA (SS9.1)	9.1P1	Standing request	

Table 2: April 18, 2007 - System Issues and Status

Activity	Lead	Status
CM	Ayers	<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) • Installed the Synoptic SARB delta delivery associated with SCCR 652 on both <i>warlock</i> and <i>magneto</i> and released it to the ASDC. (Ayers) • Updated the Synoptic SARB Operator's Manual associated with SCCR 652 and delivered it to the ASDC. (Saunders) • Information was provided to the ASDC regarding additional data sets to which the latest SSF and SFC sample read packages now apply. (Ayers) • Updated the CERES Subsystem and Coefficients Delivery Schedules and posted them on the Web. (Ayers, Saunders)

Table 3: CERES Subsystem Delivery Schedule - April 2007

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 650)	March 30	April 13	April 20	Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing.		X	<i>warlock & magneto</i>
GGEO	May			Coefficient delivery for 11/05 - 4/06. Code delivery to support MTSAT.			<i>warlock</i>
Clouds (SCCR 603)	May			To process MODIS V005. Delivery needs to be made prior to processing Collection 5. To continue Terra/Aqua Ed2 processing.	X	X	<i>warlock</i>
Instrument (SCCR 641)	Late May			Delivery of simulated IES PGE to support TRMM VIRS-only processing.			<i>warlock & magneto</i>
Clouds	Spring			Support TRMM VIRS-only processing of August 2001 forward.			<i>warlock</i>
SARB	Spring			MATCH (collection 4) data files for January - May 1, 2006 (hours 00 - 11).			<i>warlock & magneto</i>
TISA Averaging	Summer			To support Terra Beta4 and Aqua Beta1 TSI processing.			<i>warlock</i>
Synoptic SARB	Summer			To support Terra Beta4 and Aqua Beta1 SYNI processing.			<i>warlock & magneto</i>
SARB	Summer			MATCH (collection 5) data files for May - December 2006.			<i>warlock & magneto</i>

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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)
Instrument (SCCR 610)		July		To allow processing of both Edition2 and Edition3 data through PGE CER1.3P3			<i>warlock</i>
TISA Averaging		Fall		To support Terra Beta4 and Aqua Beta1 AVG, ZAVG, and SYN processing.			<i>warlock</i>
SARB		Fall		MATCH (collection 5) data files for January - June 2007.			<i>warlock & magneto</i>
Clouds		November		Terra/Aqua Beta1 Edition3 SSF processing.			<i>warlock</i>
Inversion		Two weeks after Clouds		Terra/Aqua Beta1 Edition3 SSF processing.	X		<i>warlock & magneto</i>
TISA Gridding		Two weeks after Inversion		Support Terra/Aqua Beta Edition3 SFC processing.			<i>warlock & magneto</i>
TISA Gridding		???		PMOA delta delivery dealing with overlap file checking.			<i>warlock</i>

Table 4: CERES Coefficients Delivery Schedule - April 2007

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
GGEO	N/A	July		Initial coefficients for 5/06 - 12/06.	<i>warlock</i>
Instrument/ ERBE-like	N/A	Early Fall 2007		Terra Edition3 gains and spectral response function files for February 2000 - June 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	Early Fall 2007		Aqua Edition3 gains and spectral response function files for June 2002 - March 2005.	<i>warlock/ magneto</i>
GGEO	Fall	Fall		Final coefficients for 1/06 - 4/06.	<i>warlock</i>
Instrument/ ERBE-like	N/A	2008		Terra Edition3 gains and spectral response function files for July 2005 - December 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	2008		Aqua Edition3 gains and spectral response function files for April 2005 - December 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	???			TRMM Edition3 gains and spectral response function files for December 1997 - April 2000.	<i>warlock/ magneto</i>

Table 5: SCCR Activity April 2 at 11:00 a.m. - April 16 at 1:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
650			X			10		
651			X			5		
652	X	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: 04/05/2007

SCCR Number: 652

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Req# 7.2-1.11

Delivery of seawif chlorophyll data files for March 2004 through December 2006.

Req# 7.2-1.12

Update PCF generator to disable interactive query concerning availability of these files during production.

Reason for Change (non-Science):

Data files are an optional but desired component of Synoptic SARB processing.

PCF generator automatically uses backup files if primary chlorophyll files are not available.

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: 7.2.1P1
Estimated Time to Complete Change : 2 days
Planned Delivery Date : April 6, 2007
List Affected Subsystems and PGE Names: Synoptic SARB
Date: 04/05/2007 Status: UNKNOWN
Originator: CALDWELL, THOMAS E. (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 652:

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Parameter Change: () YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
The PCF generator for Synoptic SARB will not be altered at this time.+

Reason for Change (non-Science):
The change will take place in a future delivery.

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: 7.2.1P1
Estimated Time to Complete Change : 2 days
Planned Delivery Date : April 6, 2007
List Affected Subsystems and PGE Names: Synoptic SARB
Date & Time: 2007-04-05 15:48:22
Originator: CALDWELL, THOMAS E. (SSAI)

Table 6: April 18, 2007 - Subsystem Issues and Status (1 of 4)

SS No.	SS Lead	Status	Problems
1.0	Cooper	<ul style="list-style-type: none">Continued to monitor receipt of Aqua and Terra data at the ASDC. (Cooper, Snyder)Began working on the scripts for the Simulated IES using the Perl scripts written by Jim Donaldson for the Instrument Subsystem. A problem with different versions of Perl on the various platforms has come into play. The version of Perl on the SGIs is an older version and does not support the Switch command used in all of the Instrument ASCII file generators that were converted by Jim. The Linux and Mac clusters have the same major version number; however the SGIs are behind by several major versions. This needs to be resolved for the Simulated IES delivery in May and the Edition3 delivery slated for August. (Cooper)Testing on the cluster to find the solution to the “BAD” file problem. The first attempt where the file server memory was expanded did not fix the problem. A second test where the protocol was changed from TCP/UDP to TCP only was affected by the SAN disk going down. Waiting for the remaining issues on the cluster to be resolved to rerun the second test. (Cooper)Edition3 gains and SRFs are still being worked. Several test runs for Beta 4, 5 & 6 sets of gains and SRFs are being processed and evaluated. (Cooper)	
2.0	Walikainen	<ul style="list-style-type: none">Providing science team with spectral correction coefficients for Edition3 testing. These will be used to create SSF direct comparisons. (Walikainen)	

Table 6: April 18, 2007 - Subsystem Issues and Status (2 of 4)

SS No.	SS Lead	Status	Problems
2.0	Walikainen (Cont'd)	<ul style="list-style-type: none"> Created Edition1-CV QC reports for a second time constant study. These tests now include flight offsets; previously we used ground offsets. The QC reports are for a month of data and are generated with an instrument thermal response that differs from our hard coded production parameters. This current round of off-line processing is using the best parameters. (Szewczyk and Walikainen) Continuing to examine QC checker email generated during production. Including the Edition1-CV data products. (Walikainen) Continuing to inspect ERBE-like Aqua and Terra output plots and QC reports on the Web. (Walikainen) 	
3.0	Walikainen	Combined with above.	
4.1	Sun-Mack	<ul style="list-style-type: none"> MODIS collection 4 and 5 study for both Terra-MODIS and Aqua-MODIS. (All: Miller, Trepte, Brown, Chen, Sun-Mack) Continued to work on Clearsky Global images for Aqua Edition1A and Terra Edition2-QC. (R. Brown) Clouds GEWEX. (Chen, Sun-Mack) Cloud code conversion. Initial test run was successful---> about 90% of parameters look reasonable and 10% of parameters need to be checked out. Improvement speed = 13 min on mac vs 40 min on sgi. (Sun-Mack) MODIS / Calipso matching. (Chen, Sun-Mack) 	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

Table 6: April 18, 2007 - Subsystem Issues and Status (3 of 4)

SS No.	SS Lead	Status	Problems
4.4	Miller	<ul style="list-style-type: none"> Continued to modify and test GRing code. Still have some challenges with hours having missing MODIS granules. (Miller) Processed 8 days using MODIS Collection 005 for Aqua study. (Miller) Provided assistance to FLASHFLUX in testing clouds code. (Miller) Edited journal paper that Dr. Minnis is lead author. Additional graphics were created. (Miller) 	
4.5	Sothcott	<ul style="list-style-type: none"> Attended weekly SOFA working group meetings. (Sothcott) Downloaded multiple daily and monthly subsets for both FM3 and FM4 to support preparations for the Science Team meeting. (Sothcott) Continued updating algorithms and code for Edition3. (Sothcott) 	
4.6	Sothcott	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> Make a test run with updated version of (for Ed3) model. No valid results were expected. (Caldwell) 	
7.2	Coleman	<ul style="list-style-type: none"> Delivered SeaWifs files to see through the rest of Beta3 processing. (Caldwell) 	
12.0	Coleman	<ul style="list-style-type: none"> No new updates. 	
7.1	Nguyen	<ul style="list-style-type: none"> No new updates. 	
8.0	Nguyen	<ul style="list-style-type: none"> Ran four seasonal months - April, July, October 2002 and January 2003 for the scientist to prepare for the CERES Science Team Meeting. (Nguyen) Modified SYN Web plot software to work in MAC environment. (Beth Flug) Compiled PGE 8.2P1 code on <i>corregidor</i> and processed 07/01 data successfully. (Raju) 	

Table 6: April 18, 2007 - Subsystem Issues and Status (4 of 4)

SS No.	SS Lead	Status	Problems
10.0	Nguyen	<ul style="list-style-type: none"> Continue testing code on <i>magneto</i> and <i>warlock</i> to prepare for SCCR 650 delivery. (Nguyen) Preparing documentations for delivery. (Nguyen) Updated code to change the number of observations from defaults to zeros. (Nguyen) Updated code to correct the daily averages of snow and ice. (Nguyen) Ran January 2003 for Dave Doelling to evaluate. (Nguyen) 	
6.0	Raju	<ul style="list-style-type: none"> No new updates. (Raju) 	
9.0	Raju	<ul style="list-style-type: none"> Processed 12/05 FM1, FM3 SFC data through read software and provided outputs to TISA science members for GERB comparisons. (Raju) 	
11.0	Raju	<ul style="list-style-type: none"> Ran PGE 11.2P2 job on <i>corregidor</i> using production version of 10/05 GRAN files. Product comparisons showed differences. Code was modified to work in MAC environment and the generated product compared exactly with the Edition version. (Raju) Processed 10/05 data through PGEs 11.3P1, 11.4P1, and 11.6P1 on <i>corregidor</i>. The generated products were compared exactly with the Edition versions. (Raju) 	
CERESlib Coleman/Zentz		<ul style="list-style-type: none"> No new updates. 	