

## May 2, 2007 - System Issues and Status

**Table 1: Process Strategy/Geier as of 05/02/07  
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	<b>Highest Priority</b>
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 (7/02, 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	Done 4/6/07.
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)	4.5-61P3 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 - 5/1/06	<b>Wait for Aqua ValR10 CRS approval.</b>
PR 80-07	FM3	Edition2B	TISAgird (SS6)	6.1P1 6.2P1 6.3P1	12/31/05 - 4/06	<b>Wait for Edition2B CRS.</b>
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 - 8/1/06	
PR 62-07	FM1	Edition2B	Inversion (SS4.5-6)	4.5-61P2 4.5-6.2P2 4.5-6.4P1	3/1/06 - 8/1/06	
PR 60-07	FM1	Edition2C	TISA grid (SS 9)	9.2P1 9.3P1 9.4P1	3/1/06 - 8/1/06	
PR 61-07	FM2	Edition2B	Inversion (SS4.5-6)	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/06 - 8/1/06	
PR 59-07	FM2	Edition2C	TISA grid (SS 9)	9.2P1 9.3P1 9.4P1	1/1/06 - 8/1/06	
PR 74-07 to 76-07	FM2	Edition2B	SARB (SS5)	5.0P1 5.1P1 5.4P1	12/31/05 - 3/1/06	<b>Wait for Terra Validation CRS to be approved.</b>
PR 72-07	FM2	Edition2C	TISAgird (SS6)	6.1P1 6.2P1 6.3P1	12/31/05 - 3/1/06	<b>Wait for Edition2B CRS.</b>
PR 77-07 to 79-07	FM1	Edition2B	SARB (SS5)	5.0P1 5.1P1 5.4P1	3/1/06 - 5/1/06	<b>Wait for Terra Validation CRS to be approved.</b>

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<b>Production Request (PR)</b>	<b>Satellite</b>	<b>Production Strategy</b>	<b>Data Product (SS#)</b>	<b>PGEs</b>	<b>Data Dates</b>	<b>Special Status</b>
PR 73-07	FM1	Edition2C	TISAgird (SS6)	6.1P1 6.2P1 6.3P1	3/1/06 - 5/1/06	<b>Wait for Edition2B CRS.</b>
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	Done 4/6/07.
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: May 2, 2007 - System Issues and Status**

Activity	Lead	Status
CM	Ayers	<ul style="list-style-type: none"><li>• See <a href="#">Table 3</a> for the current CERES Subsystem Delivery Schedule and <a href="#">Table 4</a> for the current CERES Coefficients Delivery Schedule. (Ayers)</li><li>• See <a href="#">Table 5</a> for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow <a href="#">Table 5</a>. (Ayers)</li><li>• Installed the Instantaneous SARB delta delivery associated with SCCR 651 on both <i>warlock</i> and <i>magneto</i> and released it to the ASDC. (Ayers)</li><li>• Updated the Synoptic SARB Operator's Manual associated with SCCR 652 and delivered it to the ASDC. (Saunders)</li><li>• Delivered the March 2007 Clouds S'COOL data file to the ASDC. (Saunders)</li><li>• Updated the CERES Subsystem and Coefficients Delivery Schedules and posted them on the Web. (Ayers, Saunders)</li></ul>

**Table 3: CERES Subsystem Delivery Schedule - May 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	May 11	May 18	Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing.		X	<i>warlock &amp; magneto</i>
CERESlib	May 11	May 25	June 1	Clouds modifications.			<i>warlock &amp; magneto</i>
Clouds (SCCR 603)	May 11	May 25	June 1	To process MODIS V005. Delivery needs to be made prior to processing Collection 5. To continue Terra/Aqua Ed2 processing.	X		<i>warlock</i>
GGEO	May 11	May 25	June 1	Coefficient delivery for 11/05 - 4/06. Code delivery to support MTSAT.			<i>warlock</i>
Instrument (SCCR 641)	Late May			Delivery of simulated IES PGE to support TRMM VIRS-only processing.			<i>warlock &amp; magneto</i>
Clouds	Summer			Support TRMM VIRS-only processing of August 2001 forward.			<i>warlock</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 &amp; magneto</i>
SARB	Summer			MATCH (collection 5) data files for May - December 2006.			<i>warlock &amp; 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 process- ing.			<i>warlock</i>
SARB		Fall		MATCH (collection 5) data files for January - June 2007.			<i>warlock &amp; magneto</i>
Clouds		November		Terra/Aqua Beta1 Edition3 SSF pro- cessing.			<i>warlock</i>
Inversion		Two weeks after Clouds		Terra/Aqua Beta1 Edition3 SSF pro- cessing.	X		<i>warlock &amp; magneto</i>
TISA Gridding		Two weeks after Inversion		Support Terra/Aqua Beta Edition3 SFC processing.			<i>warlock &amp; magneto</i>
TISA Gridding		???		PMOA delta delivery dealing with overlap file checking.			<i>warlock</i>

**Table 4: CERES Coefficients Delivery Schedule - May 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 16 at 1:00 p.m. to April 30 at 2:30 p.m.**

<b>SCCR</b>	<b>S</b>	<b>U</b>	<b>A</b>	<b>C</b>	<b>D</b>	<b>SS</b>	<b>Page No.</b>	<b>Comments</b>
No SCCR activity								

**Table 6: May 2, 2007 - Subsystem Issues and Status (1 of 4)**

SS No.	SS Lead	Status	Problems
1.0	Cooper	<ul style="list-style-type: none"> <li>Continued to monitor receipt of Aqua and Terra data at the ASDC. (Cooper, Snyder)</li> <li>Waiting to hear that Perl 5.8 has been installed on <i>thunder/lightning/lanina</i> to resume testing of the new Perl scripts for the IES simulator PGE and the Edition3 Perl scripts written by Jim Donaldson. Verified that Perl 5.8 is available on <i>warlock</i>; however, to use it required a change in the path in the .cshrc file. (Cooper)</li> <li>Testing on the cluster to find the solution to the “BAD” file problem. More tests have not isolated the problem as yet, but each test gives more information as to where the problem isn’t. Working with Scott as requested to help diagnose the problem. (Cooper)</li> <li>Edition3 gains and SRFs are still being worked. Testing beta 7 gains and SRFs along with changes to the Second Time Constant coefficients for Edition3. (Cooper)</li> </ul>	
2.0	Walikainen	<ul style="list-style-type: none"> <li>Providing science team with spectral correction coefficients for Edition3 testing. These will be used to create SSF direct comparisons. This first run with SSF showed good results and were presented at the Science Team Meeting. (Walikainen)</li> <li>Created Edition1-CV QC reports for a second time constant study. These tests are for months the instruments are in the RAPS mode. Previously we only did cross track months. (Szewczyk and Walikainen)</li> <li>Continuing to examine QC checker email generated during production. Including the Edition1-CV data products. (Walikainen)</li> <li>Continuing to inspect ERBE-like Aqua and Terra output plots and QC reports on the Web. (Walikainen)</li> </ul>	
3.0	Walikainen	Combined with above.	

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<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.1	Sun-Mack	<ul style="list-style-type: none"> <li>• Preparation for my talk for CERES STM. (Sun-Mack)</li> <li>• Attended CERES STM. (Sun-Mack)</li> <li>• Preparations for CERES Science Team Meeting. (All)</li> <li>• Worked on Calipso/CloudSat/CERES Integration Web Script. (R. Brown)</li> <li>• Processed and delivered S'COOL dataset for March 2007 to CM. (R. Brown)</li> <li>• QC global images and statistics were processed and generated for Terra-MODIS and Aqua-MODIS QC FLASHflux data from 200601 through 200703 and results were posted on the Web. (R. Brown)</li> </ul>	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller	<ul style="list-style-type: none"> <li>• Continued to modify and test GRing code. Still have some challenges with hours having missing MODIS granules. (Miller)</li> <li>• Prepared convolution Terra code for Collection 005 delivery. (Miller)</li> <li>• Identified FLASHFLUX's problem in testing clouds code update. (Miller)</li> <li>• Final graphics were created for Dr. Minnis' calibration journal article. (Miller)</li> <li>• Attended meetings on NEWS proposal concerning CALIPSO, CERES, CloudSat, MODIS merged (CCCM) files. The data product page were reviewed. (Miller)</li> <li>• Reviewed information for Dr. Loeb's parallax study. This study will address pixel or FOV location to intersect at cloud height and not surface. (Miller)</li> </ul>	

**Table 6: May 2, 2007 - Subsystem Issues and Status (3 of 4)**

SS No.	SS Lead	Status	Problems
4.5	Sothcott	<ul style="list-style-type: none"> <li>Continued to incorporate updated LW Model B algorithm in Edition3 version. (Sothcott)</li> <li>Retrieved several months of Aerosol subsets for all four instruments from the archive and placed them on the SAN. (Sothcott)</li> <li>Continued work to incorporate all common subroutines and modules across the Inversion PGEs into one common library for Inversion. (Sothcott)</li> </ul>	
4.6	Sothcott	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> <li>Make a test run with updated version of (for Ed3) model. No valid results were expected. (Caldwell)</li> </ul>	
7.2	Coleman	<ul style="list-style-type: none"> <li>Studying new code provided by Fred for surface albedo history maps for processing Beta4 SYNI. (Caldwell)</li> </ul>	
12.0	Coleman	<ul style="list-style-type: none"> <li>Ran test cases with sample MERRA data from GMAO. Minor tweaks to the GEOS-5 version of Regrid MOA code in the area of ingesting inputs, e.g., parameter naming. (Caldwell)</li> </ul>	
7.1	Nguyen	<ul style="list-style-type: none"> <li>No new updates.</li> </ul>	
8.0	Nguyen	<ul style="list-style-type: none"> <li>As per Moguo Sun's requests, wrote FORTRAN 90 program to read TOA fluxes, cloud data from SYN product and to create one output file in HDF format. Processed 08/2000 data through the software and provided the output. Work continued to process requested months of data. (Raju)</li> </ul>	
10.0	Nguyen	<ul style="list-style-type: none"> <li>Creating test runs to produce March 2000 TRMM and Terra interpolated data using Terra code and 1-hourly and 3-hourly GGEO data for Moguo Sun to analyze. (Nguyen)</li> <li>Ran January 2003 with all the updates for Dave Doelling to evaluate. (Nguyen)</li> <li>Attended CERES Science Team Meeting. (Nguyen)</li> </ul>	
6.0	Raju	<ul style="list-style-type: none"> <li>Compiled PGEs CER6.1 - 6.3 on <i>magneto</i> successfully. (Raju)</li> </ul>	

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<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
9.0	Raju	<ul style="list-style-type: none"> <li>• Compiled PGEs CER9.1 - 9.4 on <i>magneto</i> successfully. (Raju)</li> <li>• Processed one hour of FM3, FM4 SSF data and provided requested information of each footprint to Dave Doelling for analysis. (Raju)</li> <li>• Attended CERES Science Team Meeting. (Raju)</li> </ul>	
11.0	Raju	<ul style="list-style-type: none"> <li>• No new updates. (Raju)</li> </ul>	
CERESlib Coleman/Zentz		<ul style="list-style-type: none"> <li>• Preparing to tackle Big/Little Endian flag issue for non-HDF products. (Coleman)</li> </ul>	