

August 24, 2005 - System Issues and Status

Table 1: Process Strategy/Geier as of 08/24/05
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	
108-05	Terra	ValR6	BDS (SS1)	1.3P3 1.2P1	Select days/ months	Hold until Gains/ SRF for 12/04 - 6/05 Terra satellites pro- moted.
105-05 to 108-05	Terra	ValR6	ERBELike (SS2)	2.4P1 2.2P1 2.3P1 2.3P2	Select days/ months	Hold until Gains/ SRF for 12/04 - 6/05 Terra satellites pro- moted.
104-05	Terra	ValR6	ERBELike (SS3)	3.1P1	2/05, 4/05	Hold until Gains/ SRF for 12/04 - 6/05 Terra satellites pro- moted.
103-05	Terra	ValR6	ERBELike (SS3)	3.2P1	2/05	Hold until Gains/ SRF for 12/04 - 6/05 Terra satellites pro- moted.
77-05	Aqua	ValR6	BDS (SS1)	1.1P5 1.3P1 1.3P2 1.2P1	3/05	Done 8/9/05.
76-05	Aqua	ValR6	ERBELike (SS2)	2.2P1 2.3P1 2.3P2	3/05	Done 8/9/05.
75-05	Terra	ValR6	BDS (SS1)	1.1P3 1.3P1 1.3P2 1.2P1	3/05	Done 8/10/05.
74-05	Terra	ValR6	ERBELike (SS2)	2.2P1 2.3P1 2.3P2	3/05	Done 8/10/05.
73-05	FM4	ValR6	BDS (SS1)	1.1P5 1.2P1	4/05	Done 8/15/05.

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72-05	FM4	ValR6	ERBELike (SS2)	2.2P1 2.3P1 2.3P2	4/05	Done 8/15/05.
71-05	FM4	ValR6	ERBELike (SS3)	3.1P1	4/05	Done 8/15/05.
84-05		Edition2A	GGEO (SS11)	11.6P1	10 months in 2001 & 2002	Done 8/12/05.
89-05, 90-05		ValR15	GGEO (SS11)	11.1P10 11.2P2	5 months	Hold until Delivery promoted. Verify code delivery is working properly before running 3/03 - 12/04 as Beta4.
86-05 to 88-05		ValR16	GGEO (SS11)	11.1P5 11.1P6 11.1P7 11.1P8 11.2P2 11.4P1	7/02	
85-05		ValR15	GGEO (SS11)	11.6P1	10/01	
Standing requests AM-PR 1-00 to 7-00	Terra	Edition1	BDS/ ERBELike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1 3.2P2	For 7/05 - present	DO NOT PROCESS 3.2P2 - it is disabled.
Standing requests PM-PRs 1-05 to 4-05	FM3	Edition1	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	7/05 forward	

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 91-05 to 93-05	FM4	Ed1-NoSW	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 2.2P1 2.3P1 2.3P2 3.1P1	3/31/05 - 7/18/05	
58-05	Aqua	Edition1A	Clouds (SS4.1-4)	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	8/04 - 3/05	
57-05	Aqua	Edition1B	Inversion (SS4.5-6)	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	8/04 - 3/05	
56-05	Aqua	Edition1B	TISAgriid (SS9)	9.2P1 9.3P1 9.4P1	7/04 - 2/05	One month behind due to overlap requirements.
112-05 to 114-05	Terra	ValR7	Inversion (SS4.5-6)	4.5-6.6P2 4.5-6.2P2 4.5-6.4P1	5 select days	Hold until Aqua Inversion (PR 57-05) completes and 2P2 delivery promotes.
109-05 to 111-05	Aqua	ValR7	Inversion (SS4.5-6)	4.5-6.6P3 4.5-6.2P2 4.5-6.4P1	4 select 2003 days	Hold until Aqua Inversion (PR 57-05) completes and 2P2 delivery promotes.
102-05	Terra	Edition2	BDS (SS1)	1.3P3 1.2P1	12/04 - 6/05	Hold until ValR6 approved.
99-05 to 101-05	Terra	Edition2	ERBELike (SS2)	2.4P1 2.2P1 2.3P1 2.3P2	12/04 - 6/05	Hold until ValR6 approved.
98-05	Terra	Edition2	ERBELike (SS3)	3.1P1	11/04 - 5/05	Hold until ValR6 approved.
97-05	Terra	Edition2	ERBELike (SS3)	3.2P1	11/04 - 2/05	Hold until ValR6 approved.
96-05	Terra	Edition2-QC	Clouds (SS4.1-4)	4.1-4.1P2 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	12/04 - 6/05	Hold until Terra Edition2 IES available.

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
95-05	Terra	Edition2B	Inversion (SS4.5-6)	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	12/04 - 6/05	Hold until ValR7 SSF approved and inputs available.
94-05	Terra	Edition2C	TISAgriid (SS9)	9.2P1 9.3P1 9.4P1	11/04 - 5/05	Hold until Terra Edition2B SSF available.
94A-05	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	12/04	Hold until Terra Edition2B SSF available.
94B-05	Terra	Edition2C	FSW (SS6)	6.1P1 6.2P1 6.3P1	11/04	Hold until Terra Edition2B CRS available.
PR 52-05	Aqua	Beta1	CRS (SS5)	5.0P1 5.1P1 5.4P1	4/03 - 12/04	Extended processing through 12/04 where MATCH ends and in anticipation of SSF.
PR 51-05	Aqua	Beta1	FSW (SS6)	6.1P1 6.2P1 6.3P1	4/03 - 12/04	Extended processing through 12/04 in anticipation of CRS.
M PR 2-04		GEOS4	MOA (SS12)	12.1P1	Standing request	
M PR 1-04		GEOS4	PMOA (SS9.1)	9.1P1	Standing request	

Table 2: Process Strategy/Geier as of 08/24/05
Coming Soon (1 of 2)

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
9/05		Beta4	GGEO (SS11)	3/03 - 12/04	Requires code promotion, ValR16 approval, and coefficient deliveries.
10/05	Terra	ValRx	SRBAVG (SS10)	3/00 - 2/03	Waiting on code delivery and GGEO runs.
	Terra	Edition2D	SRBAVG (SS10)	3/00 - 2/03	
11/05	Terra	Beta4	SRBAVG (SS10)	3/03 - 12/04	Waiting on GGEO and TISAavg deliveries.
	Aqua	Beta1	SRBAVG (SS10)	7/02 - 2/03	
	Terra	Beta3	TSI (SS7.1)	3/00 - 2/03	
12/05	Aqua	ValR8	Inversion (SS4.5-6)	Select dates 7/02 - 3/05	Waiting on Norman's ADMs and updated Surface Estimation.
	Aqua	Edition2A	Inversion (SS4.5-6)	7/02 - 3/05	Wait on ValR8 approval.
	Aqua	ValR8	SFC (SS 9)	Select dates 7/02 - 3/05	Waiting on Aqua Edition2A SSF.
	Aqua	Edition2A	SFC (SS 9)	7/02 - 2/05	Wait on ValR8 approval.
	Aqua	ValR8	CRS (SS 5)	Select dates 7/02 - 12/04	Wait on code delivery; to run on IBM cluster.
1/06	Aqua	Edition2A	CRS (SS 5)	7/02 - 12/04	Wait on ValR8 CRS approval; to run on IBM cluster.
	Aqua	ValR8	FSW (SS 6)	Select dates 7/02 - 11/04	Wait on Edition2A CRS.
	Aqua	Edition2A	FSW (SS 6)	7/02 - 11/04	Wait on ValR8 approval.
unkn	Terra	Beta3	Synoptic SARB (SS7.2)	12 months	
	Terra	Beta3	SYN/AVG/ ZAVG (SS8)	12 months	
	Aqua	Beta1	TSI (SS7.1)		Not on Bruce's schedule.

**Table 2: Process Strategy/Geier as of 08/24/05
Coming Soon (2 of 2)**

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
	Aqua	Beta1	Synoptic SARB (SS7.2)		Not on Bruce's schedule.
	Aqua	Beta1	SYN/AVG/ ZAVG (SS8)		Not on Bruce's schedule.

Table 3: August 24, 2005 - System Issues and Status

Activity	Lead	Status
CM	Ayers	<ul style="list-style-type: none">• See Table 4 for the current CERES Subsystem Delivery Schedule. (Ayers)• See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers)• Tested the GGEO delivery (SCCR 591) and released it to the ASDC. (Saunders, Ayers)• Installed the ERBE-like delta delivery (SCCR 592) and released it to the ASDC. (Ayers)• Delivered the June 2005 Clouds S'COOL data file to the ASDC. (Ayers)• Delivered the updated gains and spectral response function files for Terra FM1 and FM2 for December 1, 2004 through June 30, 2005 to the ASDC. (Ayers, Saunders)

Table 4: CERES Subsystem Delivery Schedule - August 2005
(Next Science Team Meeting - November 1 - 3, 2005 in Hampton, VA)

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Delivery to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)
GGEO	August 12	August 26	September 2	Deliver coefficients so GGEO can be run for March 2003 - December 2004.		
TISA Gridding	September 2	September 16	September 23	Delta delivery of modified scripts that will count the number of SFC hourly files available before monthly processing will run.		
TISA Averaging (SCCR 583)	September 2	September 16	September 23	Process Terra Edition2D SRBAVG.		X
TISA Averaging	October 7	October 21	October 28	Process Terra Beta TSI.		
CERESlib	October			Inversion modifications		
Inversion	Late October			Delivering Aqua ADMs and code changes (PGE CER4.5-6.3P3) to use them.		
Instantaneous SARB		November 18		To process Aqua Edition2A CRS on the IBM cluster for 7/02 - 12/04.		
Clouds	Spring 2006			To process MODIS V005. Delivery needs to be made prior to processing Collection 5.		
Clouds	???			Support TRMM VIRS-only processing of August 2001 forward.		

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Table 5: SCCR Activity August 8 at 2:00 p.m. - August 22 at 11:15 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
589				X		1		
591			X			11		
592	X		X	X		3	5	

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

CERES Software Configuration Change Request Submittal

Subsystem: ERBEl like 3.0 SCCR Date & TIME: 2005-08-17 10:34:51 SCCR No.: 592

Parameter Change: () YES (X) NO

Description of Change (Science):
None

Reason for Change (Science):
NA

Description of Change (non-Science):
Deactivated two scripts in CER3.1P1.

Reason for Change (non-Science):
Scripts produce inputs for obsolete CER3.2P2.

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: CER3.1P1
Estimated Time to Complete Change : Completed
Planned Delivery Date : 8/17/05
List Affected Subsystems and PGE Names: CER3.1P1
Originator: WALIKAINEN, DALE R. (SAIC)

Table 6: August 24, 2005 - Subsystem Issues and Status (1 of 4)

SS No.	SS Lead	Status	Problems
1.0	Cooper	<ul style="list-style-type: none"> Continued monitoring receipt of Aqua and Terra Level-0, Ephemeris and Attitude data. (Cooper, Snyder) Updated Terra Gains delivered to CERES CM. Waiting for ValR6 testing to complete to validate the updated gains. (Cooper) Continue to monitor FM4 anomaly. (Team) Development of a new program to automate Solar Calibration studies has begun. The program will be similar to PGE CER1.3P2, however, it has not yet been determined if this will be a new PGE, or if it will become part of the validation code used at the SCF. (Hess) 	
2.0	Walikainen	<ul style="list-style-type: none"> Delivered Terra (Nov04-Jun05) Spectral Response functions 8/18/05. (Walikainen) Examined daily direct compare averages to detect 16 day ground track influence. None found for Aqua edition1. (Walikainen) Submitted SCCR 592 to ignore failing scripts which affect only inputs to obsolete CER3.2P2. This allowed ValR6 (FM4, Apr 2005, ES4) to run error free. (Walikainen) Discovered gif files missing for Apr05 (FM1, FM2, and FM3). (Walikainen) Continuing to examine the production email generated by the QC checker software. (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"> QC statistics and global images for Aqua-MODIS Edition1A from August 2004 through November 2004 were processed and posted on the web. QC Web Viewer was updated as needed. (R. Brown) 	

Table 6: August 24, 2005 - Subsystem Issues and Status (2 of 4)

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack (Cont'd)	<ul style="list-style-type: none"> • S'COOL dataset for June 2005 was processed and delivered to CM. (R. Brown) • Developing and testing code to add to the CloudVis Web Viewer to create web pages dynamically for CloudVis images. (R. Brown) • CloudVis images for Aqua MODIS Edition2-QC data were generated for the Alaska ARM Site from August 2004 through November 2004. CloudVis images for Terra MODIS Edition2-QC were generated for Marie Byrd Land region from January 2004 through November 2004. (R. Brown) • Wrote an AMS abstract. (Sun-Mack) • Worked on several requests from Pat Minnis. (Sun-Mack) • Worked on MODIS collection 5 mask re-tune. (Trepte, Sun-Mack). 	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller	<ul style="list-style-type: none"> • Started code modification for using MODIS produced cloud properties for a sensitivity study requested by Norm Loeb. Cloud retrieval currently reads some of the MOD06 SDS, but will need to add more plus transfer them to cookie dough. (Miller) • Provided input to Mike Little for a poster at the Terra Data Fusion Conference. (Miller) • Attended last two days of Terra Data Fusion Conference. Discussed the poster with several groups. (Miller) • Monitored Aqua Edition1A processing. Five months were processed. Four, four, five, three, and four hours were missing respectively for September, October, November, December 2004, and January 2005. Two hours in December did not have MODIS data. All other hours did not have IES data. (Miller) 	

Table 6: August 24, 2005 - Subsystem Issues and Status (3 of 4)

SS No.	SS Lead	Status	Problems
4.5	Nolan	<ul style="list-style-type: none"> Continued work to generate Web pages to correspond to the Inversion CVS repository and to maintain file links across different PGEs. (Sothcott) Completed work to create scripts to extract all files required for the CM delivery of each Inversion PGE. Completed scripts include PGE CER4.5-6.3P2. (Sothcott) Modified SCF version of Terra 3P2 code to remove the ADMGEO correction before compiling with the modified SW surface flux model A, SW surface flux model B. (Nolan) Created binary SSF and SSF validation files using the updated SW surface flux models for all FM2 Edition2B SSF January 2002 data. Created a monthly FM2 January 2002 SSF validation file and provided this file to Anne Wilber and Shashi Gupta. (Sothcott) Created binary SSF and SSF validation files using the updated SW surface flux models for all FM1 Edition2B SSF January 2002 data. These data were run a second time using the 3P2 code with the ADMGEO correction removed and a fresh copy of the input files. (Sothcott and Nolan) Modified IDL program provided by Scott Zentz to create plots of the match version of GFDL aerosol files created by Shashi Gupta. (Nolan) 	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> S4P - Stations Poll Data and Register Local Data (Replaced Register Data) are up and functioning properly with the monthly pre-processor. Currently working on stations Select Data and Find Data. (Zentz) Implementing and testing various modifications related to the cloudy sky snow logic and trace gas routines. (Zentz) Received account on cluster. (Coleman) 	
7.2	Coleman	Combined with Subsystem 5.0.	

Table 6: August 24, 2005 - Subsystem Issues and Status (4 of 4)

SS No.	SS Lead	Status	Problems
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"> No new updates. 	
10.0	Nguyen	<ul style="list-style-type: none"> Continue working with Dave Doelling in validating phase 3 of SRBAVG run. Ran 4 seasonal months of SRBAVGs for validation. (Nguyen) Testing code and scripts to prepare for the upcoming delivery. (Nguyen) 	
6.0	Raju	<ul style="list-style-type: none"> Updated PGEs CER6.2P1 and CER6.3P1 PCF generator scripts to check number of inputs and to exit with an error if the file count is less than the expected number of files. (Raju) 	
9.0	Raju	<ul style="list-style-type: none"> Updated PCF generator scripts for PGEs CER9.3P1 and CER9.4P1. (Raju) 	
11.0	Raju	<ul style="list-style-type: none"> Processed Mar00 - Feb03 through PGE CER11.3P1 using production versions of GGEO, SFC products at SCF to create GEO vs. MODIS match data files for TISA science team. (Raju, Caldwell) Processed July 2002, Mar03 - Oct04 McIDAS data through PGEs 11.1P10, 11.2P1, and 11.3P1 at SCF to create GEO vs. MODIS match data files for TISA science team. (Raju, Caldwell) Started investigating the cause for July04 GOES-9 and Dec03, Jan04 GOES-12 failed jobs. (Caldwell, Raju) Started investigating the reason for July 2002 1-hourly first-pass main processor failed job. (Raju) 	
CERESlib Coleman/Zentz		<ul style="list-style-type: none"> No new updates. 	