

## November 2, 2005 - System Issues and Status

**Table 1: Process Strategy/Geier as of 11/02/05  
Active Requests in order of priority (1 of 3)**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
116-05		ValR7	SRBAVG (SS10)	10.1P2 10.1P1	3/00 - 2/03	
M-PR 3-02		NSIDC-NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	
131-05	Terra	ValR5	CRS (SS5)	5.0P1	3/05	Done 10/4/05.
130-05	Terra	ValR5	CRS (SS5)	5.1P1	3/15/05	Done 10/4/05.
122-05 to 125-05		Beta4	GGEO (SS11)	11.1P5 11.1P6 11.1P7 11.1P8 11.2P2	3/03 - 4/03	<b>Hold until ValR15 and ValR16 approved.</b>
120-05 to 121-05		Beta4	GGEO (SS11)	11.1P5 11.1P6 11.1P7 11.1P10 11.2P2	6/03 - 5/04	<b>Hold until ValR15 and ValR16 approved.</b>
118-05 to 119-05		Beta4	GGEO (SS11)	11.1P10 11.2P2	6/04 - 12/04	<b>Hold until ValR15 and ValR16 approved.</b>
117-05		Beta4	GGEO (SS11)	11.4P1	3/03 - 12/04	<b>Hold until ValR15 and ValR16 approved.</b>
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 <del>3.2P2</del>	For 10/05 - present	DO NOT PROCESS 3.2P2 - it is disabled.

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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	10/05 forward	
Standing requests PM-PRs 7-05 to 10-05	FM4	Ed1-NoSW	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	10/05 forward	
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	Done 10/2/05.
95-05	Terra	Edition2B	Inversion (SS4.5-6)	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	12/04 - 6/05	Done 10/2/05.
94-05	Terra	Edition2C	TISAgriid (SS9)	9.2P1 9.3P1 9.4P1	11/04 - 5/05	Done 10/2/05.
94A-05	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	12/04	Done 10/2/05.
94B-05	Terra	Edition2C	FSW (SS6)	6.1P1 6.2P1 6.3P1	11/04	Done 10/3/05.
129-05	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	1/05 - 6/05	
128-05	Terra	Edition2C	FSW (SS6)	6.1P1 6.2P1 6.3P1	12/04 - 5/05	
M PR 2-04		GEOS4	MOA (SS12)	12.1P1	Standing request	

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M PR 1-04		GEOS4	PMOA (SS9.1)	9.1P1	Standing request	
126-05, 127-05	Terra	Edition2B	Inversion (SS4.5-6)	4.5-6.3P2 4.5-6.2P2	9/23/03 only	When originally processed, hours 3-6 were left off.
132-05	Aqua	Edition1B	TISA grid (SS9)	9.2P1 9.3P1 9.4P1	3/05	Finish up Aqua Edition1B; no 4/1/05 overlap available.
136-05	Terra	ValR9	TISA grid (SS9)	9.3P1 9.4P1	5/05	<b>Do NOT promote until 128-05 &amp; 132-05 complete.</b> Process in APGS.
134-05	Terra	ValR8	TISA grid (SS9)	9.3P1 9.4P1	5/05	<b>Do NOT promote until 128-05 &amp; 132-05 complete.</b> Process manually.
135-05	Aqua	ValR9	TISA grid (SS9)	6.1P1 6.2P1 6.3P1	5/05	<b>Do NOT promote until 128-05 &amp; 132-05 complete.</b> Process in APGS. ASDC has option of renaming files rather than running 6.1P1.
133-05	Aqua	ValR8	TISA grid (SS9)	6.1P1 6.2P1 6.3P1	5/05	<b>Do NOT promote until 128-05 &amp; 132-05 complete.</b> Process manually. ASDC has option of renaming files rather than running 6.1P1.
115-05	FM1	Edition1	BDS (SS1)	1.1P3 1.2P1 1.3P1 1.3P2	5/01 only	Done 10/3/05.
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	Done 10/3/05.
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	Done 10/3/05.

**Table 2: Process Strategy/Geier as of 11/02/05  
Coming Soon**

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
10/05	Terra	Edition2D	SRBAVG (SS10)	3/00 - 2/03	
11/05	Terra	Beta4	SRBAVG (SS10)	3/03 - 12/04	
	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.
	Aqua	Beta1	Synoptic SARB (SS7.2)		Not on Bruce's schedule.
	Aqua	Beta1	SYN/AVG/ ZAVG (SS8)		Not on Bruce's schedule.

**Table 3: November 2, 2005 - System Issues and Status**

<b>Activity</b>	<b>Lead</b>	<b>Status</b>
CM	Ayers	<ul style="list-style-type: none"><li>• See Table 4 for the current CERES Subsystem Delivery Schedule. (Ayers)</li><li>• There was no SCCR activity in the last two weeks. (Ayers)</li><li>• Delivered the Clouds S'COOL data file for September 2005 to the ASDC. (Ayers)</li><li>• Updated the CERES Subsystem Delivery Schedule. (Ayers, Saunders)</li></ul>

**Table 4: CERES Subsystem Delivery Schedule - November 2005**

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Delivery to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)
Instrument (SCCR 599)	October 21	November 4	November 11	Process Terra and Aqua Edition1-cv and Edition3 BDS.		
TISA Averaging (SCCR 583)	October 28	November 11	November 18	Process Terra Edition2D SRBAVG.		X
Inversion (SCCR 596)	October 28	November 11	November 18	Delivering Aqua ADMs and code changes (PGE CER4.5-6.3P3) to use them.		
Instrument	N/A	November 18	November 18	Aqua gains files for April 2005 - September 2005.		
ERBE-like	N/A	November 18	November 18	Aqua spectral response function files for April 2005 - September 2005.		
Instantaneous SARB (SCCR 597)	November 4	November 18	November 25	To process Aqua Edition2A CRS on the IBM cluster for 7/02 - 12/04.		X
GGEO Coefficients	December 23	January 6	January 6	Final Edition2A March 2003 - December 2004		
TISA Averaging	February 2006			Process Terra Beta TSI.		
Clouds (SCCR 603)	Spring 2006			To process MODIS V005. Delivery needs to be made prior to processing Collection 5.		
GGEO Coefficients	March 24	April 7	April 14	Beta coeffs. for all of 2005		
GGEO Coefficients	April 28	May 12	May 19	Edition2A final coeffs. for all of 2005		
Clouds	???			Support TRMM VIRS-only processing of August 2001 forward.		

**(No SCCR Activity in the last two weeks.)**

**Table 5: No SCCR Activity**

<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>

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

**Table 6: November 2, 2005 - Subsystem Issues and Status (1 of 3)**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
1.0	Cooper	<ul style="list-style-type: none"> <li>No new updates received.</li> </ul>	
2.0	Walikainen	<ul style="list-style-type: none"> <li>Continuing to monitor Terra Direct Compare with FM2 in cross track mode after two months of stow. Providing an upper bound estimate of possible cross track degradation by assuming September and October 2005 upturn is degradation, not noise. (Walikainen)</li> <li>Discovered several days (8/28/03 - 9/5/03) of Aqua data where the nadir viewing zenith angles are larger than normal. Approximately 10 minutes into 9/6/03, the nominal values were restored; this corresponds to a correction made for an attitude pointing error. (Walikainen)</li> <li>Continuing to examine the production email generated by the QC checker software. (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.	
4.1	Sun-Mack	<ul style="list-style-type: none"> <li>Clouds QC Seasonal statistics for Terra Edition2-QC and Aqua Edition1a were processed and posted on the Web. (R. Brown)</li> <li>CloudVis images for Terra MODIS Edition2-QC data from 200412 through 200506 for the Oklahoma ARM site, Tropical Western Pacific, Nauru, Salt Lake City, Paliseau, France, and Central Australian regions were generated and posted on the web. CloudVis images for Aqua Edition1a data from 200408 through 200506 for regions 44 through 56 were generated and posted on the Web. (R. Brown)</li> <li>S'COOL dataset for September 2005 was processed and delivered to CM. (R. Brown)</li> <li>Many, many requests from Pat Minnis for various meetings including CERES STM. (ALL: Chen, Gibson, Trepte, R. Brown, Sun-Mack)</li> </ul>	
4.2	Sun-Mack	Combined with above.	



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<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.3	Sun-Mack	Combined with above.	
4.4	Miller	<ul style="list-style-type: none"> <li>Processed 3 hours of MOD06, MODIS cloud data, for March 15, 2001. Reviewing the data, it was discovered that the 1km information (cloud mask, snow, and cloud optical depth) was not available at night. Add code to read 5km cloud mask and snow data plus infrared phase. The algorithm in determining pixel cloudiness was modified to use cloud phase instead of optical depth. (Miller)</li> <li>Created daily QC files and updated CERES-MODIS calibration plots with additional Aqua and Terra data. A FORTRAN module was developed that contains the Rev1 corrections. (Miller)</li> <li>Provided coding framework and assistance to pull optical depth from the nearest pixel at Monterey, CA for comparison with ARM data. (Miller)</li> <li>Attended meetings to review Class C CMMI assessment and determine plan for filling the gaps. (Miller)</li> </ul>	
4.5	Nolan	<ul style="list-style-type: none"> <li>Completed initial testing of PGEs CER4.5-6.3P3 and CER4.5-6.6P3 with combined updated SW and LW Surface Models and the Edition2 Aqua ADM code. We are currently waiting on an updated ADM file from Norman, before starting our final testing and validation. (Nolan and Sothcott)</li> <li>Continued work to test Aqua CER4.5-6.1P3 code with the Aqua Edition2 updates. (Nolan)</li> </ul>	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> <li>No new update received.</li> </ul>	
7.2	Coleman	<ul style="list-style-type: none"> <li>No new update received.</li> </ul>	
12.0	Coleman	<ul style="list-style-type: none"> <li>No new update received.</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>No new updates.</li> </ul>	

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<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
10.0	Nguyen	<ul style="list-style-type: none"> <li>Ran SRBAVGs with the several GGEO data for Dave Doelling to validate. (Nguyen)</li> <li>Support Dave Doelling in preparing for the CSTM. (Nguyen)</li> </ul>	
6.0	Raju	<ul style="list-style-type: none"> <li>Processed 12/24/04 hour 00 and 12/30/04 hour 21 production failed jobs on warlock and did not find any problems. Requested ASDC to rerun these two jobs and the jobs ran successfully at the production. (Raju)</li> <li>Validated Ice Water Path parameter data on Aqua SFC product. Requested outputs were sent to Dave Young. (Raju)</li> </ul>	
9.0	Raju	<ul style="list-style-type: none"> <li>No new updates. (Raju)</li> </ul>	
11.0	Raju	<ul style="list-style-type: none"> <li>Processed July02, Dec02 3-hourly native format data for 4 cases (+5% vis, -5% vis, +5% ir, -5% ir radiances) through PGEs 11.1P5-8, 11.2P2 at SCF to create inputs to Averaging process. (Raju, Caldwell)</li> <li>Processed July02, Dec02 3-hourly native format data without any changes to the code through PGEs 11.1P5-8, 11.2P2 at SCF to create reference data sets. (Raju)</li> <li>Processed July02 1-hourly mcidas data through PGEs 11.1P10, 11.2P2, and provided inputs to Averaging process. (Raju)</li> <li>Modified GGEO product comparison program to generate outputs in a format that can be used by web plot programs. Created a sample output at SCF and sent the output to Beth Flug. (Raju)</li> </ul>	
CERESlib Coleman/Zentz		<ul style="list-style-type: none"> <li>No new update received.</li> </ul>	