

## December 14, 2005 - System Issues and Status

**Table 1: Process Strategy/Geier as of 12/14/05**  
**Active Requests in order of priority (1 of 7)**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
116-05	Terra	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	
PR 218-05	Terra	Edition2	ERBELike monthly (SS3)	3.1P1	6/05	Don't wait for overlap. 7/05 will be processed with new Instrument delivery; finish up 6/05 monthly run before scripts updated.  Done 12/8/05.
PR 216-05, 217-05	Aqua, FM1+ FM4	Edition2	ERBELike monthly (SS3)	3.1P1 3.2P1	3/05	Don't wait for overlap. 4/05 will be processed with new Instrument delivery; finish up 3/05 monthly run before scripts updated.  Done 12/8/05.
PR 219-05 to 221-05	FM4	ValR10	Inversion (SS4.5-6)	4.5-6.6P3 or 4.5-6.3P3 4.5-6.2P2 4.5-6.4P1	6/04 10/04	Process 2 additional months of SSF so SOFA can verify that data run at SCF is identical to that run at ASDC.
PR 270-05	FM1	ValR6	SARB (SS5)	5.0P1	5/05 - 6/05	<b>Waiting on delivery.</b> Rerun 2 months <b>on warlock</b> to ensure nothing changed in this delivery.

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 269-05	FM2	ValR6	SARB (SS5)	5.0P1	9/01 - 10/01	<b>Waiting on delivery.</b> Rerun 2 months on <b>warlock</b> to ensure nothing changed in this delivery.
PR 265-05	FM1	ValR7	SARB (SS5)	5.0P1	5/05 - 6/05	<b>Waiting on delivery.</b> Run 2 months <b>on IBM</b> to ensure results same as on <b>warlock</b> .
PR 264-05	FM2	ValR7	SARB (SS5)	5.0P1	9/01 - 10/01	<b>Waiting on delivery.</b> Run 2 months <b>on IBM</b> to ensure results same as on <b>warlock</b> .
210-05 to 215-05	Aqua	ValR7	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	6/30/03 - 8/1/03 4/1-3/05	Run all PEs as ValR prior to kicking-off Edition1-CV.
205-05 to 209-05	Aqua	ValR8	BDS/ ERBELike (SS1-3)	1.3P3 1.2P1 2.4P1 2.2P1 2.3P1 2.3P2 3.1P1	6/30/03 - 8/1/03 4/1-3/05	Run all PEs as ValR prior to kicking-off Edition1-CV.
199-05 to 204-05	Terra	ValR7	BDS/ ERBELike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	8/31/02 - 10/1/02	Run all PEs as ValR prior to kicking-off Edition1-CV.
194-05 to 198-05	Terra	ValR8	BDS/ ERBELike (SS1-3)	1.3P3 1.2P1 2.4P1 2.2P1 2.3P1 2.3P2 3.1P1	8/31/02 - 10/1/02	Run all PEs as ValR prior to kicking-off Edition1-CV.

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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>
188-05 to 193-05	TRMM	ValR7	BDS/ ERBELike (SS1-3)	1.1P1 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	2/28/98 - 4/1/98	Run all PEs as ValR prior to kicking-off Edition1-CV.
183-05 to 187-05	TRMM	ValR8	BDS/ ERBELike (SS1-3)	1.3P3 1.2P1 2.4P1 2.2P1 2.3P1 2.3P2 3.1P1	2/28/98 - 4/1/98	Cancelled 12/7/05. TRMM is not set up to run nor will it be scheduled to run anything other than Edition1-CV. Therefore these ValR files are not needed.
247-05 to 251-05	FM3	ValR9	BDS/ ERBELike (SS1-3)	2.4P1 1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 3.1P1	Select dates between 4/1/05 and 10/31/05	Run all PEs as ValR prior to kicking-off Edition2.
243-05 to 246-05, 251-05	FM4	ValR9-NoSW	BDS/ ERBELike (SS1-3)	2.4P1 1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 3.1P1	Select dates between 4/1/05 and 10/31/05	Run all PEs as ValR prior to kicking-off Ed2-NoSW.
PR 268-05	FM3, FM4	ValR7	SARB (SS5)	5.0P1 5.1P2	12/02	<b>Waiting on delivery.</b> Run <b>on IBM</b> .
PR 267-05	FM3, FM4	ValR7	SARB (SS5)	5.4P1	12/02	<b>Waiting on delivery.</b> Run <b>on warlock</b> .
PR 266-05	FM3, FM4	ValR7	TISAgriid (SS6)	6.1P1 6.2P1 6.3P1	12/02	<b>Waiting on SARB.</b> Run <b>on warlock</b> .
PR 273-05	FM3, FM4	ValR6	SARB (SS5)	5.0P1 5.1P2	12/02	<b>Waiting on delivery.</b> Run <b>on warlock</b> .
PR 272-05	FM3, FM4	ValR6	SARB (SS5)	5.4P1	12/02	<b>Waiting on delivery.</b> Run <b>on warlock</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 271-05	FM3, FM4	ValR6	TISAgrid (SS6)	6.1P1 6.2P1 6.3P1	12/02	<b>Waiting on SARB.</b> Run on <i>warlock</i> .
263-05	Terra	Edition2D	SRBAVG( SS10)	10.1P2 10.1P1	3/00 - 2/03	<b>Hold until ValR7 approved.</b>
262-05	Terra	Beta4	SRBAVG( SS10)	10.1P2 10.1P1	3/03 - 12/04	<b>Hold until ValR7 approved.</b>
PR 256-05 to 261-05	FM3, FM4	Edition2A	Inversion (SS4.5-6)	4.5-6.6P3 or 4.5-6.3P3 4.5-6.2P2 4.5-6.4P1	7/02 - 3/05	Process Edition2 for inputs already available.
PR 254-05 to 255-05	FM3, FM4	ValR8	TISA grid	9.2P1 9.3P1 9.4P1	4 seasonal months	<b>Process ValR before starting Edition2A.</b>
PR 252-05 to 253-05	FM3, FM4	Edition2A	TISA grid	9.2P1 9.3P1 9.4P1	7/02 - 3/05	<b>Hold until ValR8 approved.</b>
237-05 to 242-05	FM3	Edition2	BDS/ ERBELike (SS1-3)	2.4P1 1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 3.1P1 3.2P1	4/05 - 10/05	Run all PEs as ValR prior to kicking-off Edition2.
236-05 to 232-05, 242-05	FM4	Ed2-NoSW	BDS/ ERBELike (SS1-3)	2.4P1 1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 3.1P1	4/05 -10/05	Run all PEs as ValR prior to kicking-off Ed2-NoSW.
117-05		Beta4	GGEO (SS11)	11.4P1	3/03 - 12/04	Processing complete 11/22/05; due to wrapper problems 6/03 - 12/04 not in archive.

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**Active Requests in order of priority (5 of 7)**

<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>
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	For 11/05 - present	These PRs replace standing requests AM-PR 1-00 to 7-00.  <b>Hold until ValR7 and ValR8 approved.</b>
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	11/05 forward	These PRs replace standing requests PM-PRs 1-05 to 4-05. Hold until ValR7 and ValR8 approved.
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	11/05 forward	These PRs replace standing requests PM-PRs 7-05 to 10-05. <b>Hold until ValR7 and ValR8 approved.</b>
PR 222-05 to 227-05	FM4	AnomOps- Ed1-CV	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 3.1P1	7/19/05 - 8/30/05	Run period during which CERES was playing with heater as AnomOps. (First time these days will be processed.) <b>Hold until ValR7 and ValR8 approved.</b>
PR 153-05 to 158-05	Terra	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	2/25/00 - 11/1/05	Rerun Edition1 to create calibration-validation files. <b>Hold until ValR7 and ValR8 approved.</b>

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**Active Requests in order of priority (6 of 7)**

<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 177-05 to 182-05	Aqua	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	6/18/02 - 2/05	Rerun Edition1 to create a calibration-validation files. <b>Hold until ValR7 and ValR8 approved.</b>
PR 171-05 to 176-05	FM3	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	3/05 - 11/1/05	Rerun Edition1 to create a calibration-validation files. <b>Hold until ValR7 and ValR8 approved.</b>
PR 165-05 to 170-05	FM4	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 3.1P1	3/1/05-3/29/05	Rerun Edition1 to create a calibration-validation files. <b>Hold until ValR7 and ValR8 approved.</b>
PR 159-05 to 164-05	FM4	Ed1-CV- NoSW	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	3/30/05 - 11/1/05	Rerun Ed1-NoSW to create calibration-validation files. <b>Hold until ValR7 and ValR8 approved.</b>
M PR 2-04		GEOS4	MOA (SS12)	12.1P1	Standing request	
M PR 1-04		GEOS4	PMOA (SS9.1)	9.1P1	Standing request	

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**Active Requests in order of priority (7 of 7)**

<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 146-050 to 152-05	TRMM	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P1 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	12/27/97 - 8/31/98 and 2/27/00 - 4/1/00	Rerun Edition1 TRMM with same code as Terra and Aqua to create a calibration-validation file. <b>Hold until ValR7 and ValR8 approved.</b>
PR 228-05 to 231-05	TRMM	Ed1-CV- TransOps	BDS/ ERBELike (SS1-3)	1.1P1 1.2P1 1.3P1 1.3P2 2.2P1	Select periods in 1999	Process all the data CERES took while in a transient operational mode during 1999. <b>Hold until ValR7 and ValR8 approved.</b>

**Table 2: Process Strategy/Geier as of 12/14/05  
Coming Soon**

<b>Active Month</b>	<b>Satellite</b>	<b>Processing Strategy</b>	<b>Data Product (SS#)</b>	<b>Data Dates</b>	<b>Comments</b>
1/06	Aqua	Beta1	SRBAVG (SS10)	7/02 - 2/03	
	Terra	Beta3	TSI (SS7.1)	3/00 - 2/03	



**Table 3: December 14, 2005 - System Issues and Status**

Activity	Lead	Status
CM	Ayers	<ul style="list-style-type: none"> <li>• See Table 4 for the current CERES Subsystem Delivery Schedule. (Ayers)</li> <li>• See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers)</li> <li>• Installed updated TISA Averaging source code files on <i>warlock</i>, re-compiled and re-tested the code, and re-released the TISA Averaging delivery (SCCR 583) to the ASDC. (Saunders)</li> <li>• Installed updated Instrument source code files on <i>warlock</i>, re-compiled and re-tested PGEs CER1.1P1-6, and re-released the Instrument delivery (SCCR 599) to the ASDC. (Ayers)</li> <li>• Installed, compiled, and tested the CERESlib (SCCR 604) delivery on the IBM/Linux cluster, and released it to the ASDC. (Ayers)</li> <li>• Updated the TISA Averaging Operator's Manual and Test Plan and Instantaneous SARB Operator's Manual and preliminary Delivery Memo and delivered them to the ASDC. (Saunders, Ayers)</li> <li>• Delivered the updated Instrument BDS sample read package (SCCR 605) to the ASDC. (Ayers)</li> <li>• Updated the CERES Subsystem Delivery Schedule. (Ayers, Saunders)</li> </ul>

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

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Delivery to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)
Instantaneous SARB (SCCR 597)	November 11	November 25	December 2	To process Aqua Edition2A CRS on the IBM cluster for 7/02 - 12/04.	X	X
Instrument	N/A	January 6	January 6	Aqua gains files for April 2005 - September 2005.		
ERBE-like	N/A	January 6	January 6	Aqua spectral response function files for April 2005 - September 2005.		
Clouds	Mid-January			To handle the NoSW IES files in the PCF generator.		
GGEO Coefficients	January 6	January 20	January 20	Final Edition2A March 2003 - December 2004		
TISA Averaging	February 2006			Process Terra Beta TSI.		
Instrument	N/A	February 17	February 17	Terra Edition2 gains files for July 2005 - December 2005.		
ERBE-like	N/A	February 17	February 17	Terra Edition2 spectral response function files for July 2005 - December 2005.		
Synoptic SARB	February 17	March 3	March 10	Support Terra/Aqua Beta3 SYNI processing.		
Instrument	N/A	March 17	March 17	Aqua Edition2 gains files for October 2005 - December 2005.		
ERBE-like	N/A	March 17	March 17	Aqua Edition2 spectral response function files for October 2005 - December 2005.		
Instrument	N/A	March 31	March 31	Aqua Edition3 gains files for June 2002 - February 2006.		
ERBE-like	N/A	March 31	March 31	Aqua Edition3 spectral response function files for June 2002 - February 2006.		
TISA Averaging	March 17	March 31	April 7	Support Terra/Aqua Beta3 SYN/AVG/ZAVG processing.		

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

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Delivery to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)
GGEO Coefficients	March 24	April 7	April 7	Beta coefficients for all of 2005.		
Instrument	N/A	May 5	May 5	Terra Edition3 gains files for February 2000 - February 2006.		
ERBE-like	N/A	May 5	May 5	Terra Edition3 spectral response function files for February 2000 - February 2006.		
GGEO Coefficients	April 28	May 12	May 12	Edition2A final coefficients for all of 2005.		
Inversion	May 5	May 19	May 26	Terra/Aqua Beta Edition3 SSF processing.		
Clouds (SCCR 603)	May 19	June 2	June 9	To process MODIS V005. Delivery needs to be made prior to processing Collection 5. To run Terra/Aqua Beta Edition3 SSF.		
TISA Gridding	June 2	June 16	June 23	Support Terra/Aqua Beta Edition3 SFC processing.		
TISA Averaging	June 9	June 23	June 30	Support Terra/Aqua Edition2 TSI processing.		
Clouds	???			Support TRMM VIRS-only processing of August 2001 forward.		
Instrument	???			TRMM gains files for December 1997 - April 2000.		
ERBE-like	???			TRMM spectral response function files for December 1997 - April 2000.		

**Table 5: SCCR Activity November 28 at 1:00 p.m. - December 13 at 6:00 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>
583				X		10		
599				X		1		
605			X	X		1		

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

**Table 6: December 14, 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>Continued to monitor receipt of Terra and Aqua Level-0, ephemeris and attitude data. (Cooper, Snyder)</li> <li>Waiting for processing of ValRx for SCCR #599 to begin verification of delivery. (Cooper)</li> <li>Delivery of the updated Aqua gains and SRFs will be delayed until after the approval of the ValRx for SCCR# 599. Began processing Test0 for the next Terra gain and SRF update to be delivered in Feb. 2006. (Cooper)</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 its two months of stow. (Walikainen)</li> <li>Submitted initial test to determine spectral correction coefficients for Aqua Edition2 to the Science Team (April-October 2005). (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>CloudVis images for Aqua MODIS Edition1A data from January 2005 through March 2005 were completed for the following regions: Syowa, Antarctica, Georg Von Neumayer, Antarctica, Alert, and Tiksi, Russia. CloudVis images for Terra MODIS Edition2-QC data from January 2005 through June 2005 were completed for regions 1 through 19. (R. Brown)</li> <li>Multyyear seasonal, seasonal, and annual zonal averages as a function pf phase and eco-system for TRMM VIRS and TRMM VIRSonly Edition2 were updated. (R. Brown)</li> </ul>	

**Table 6: December 14, 2005 - Subsystem Issues and Status (2 of 3)**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.1	Sun-Mack (Cont'd)	<ul style="list-style-type: none"> <li>Worked on 250m MODIS reader. Had several discussions/emails with related people: Minnis, Gibson, Trepte, Chen regarding strategies of how/where/when to use 250m channel, possibilities of visualization tools with mixing resolutions. (S. Sun-Mack)</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>Processed an additional 2 hours of MOD06, MODIS cloud data, for March 15, 2001 using data. (Miller)</li> <li>Performed additional analysis of Terra MODIS BDRF (SW and 0.64) trends for Dr. Minnis. He suspected a change in trends in late 2003. Linear regressions were performed before and after time of change. Mean values for each day were created for available data in 5 year period and deviations from means were plotted. (Miller)</li> </ul>	
4.5	Nolan	<ul style="list-style-type: none"> <li>Created June and October 2004 SSF validation dataset from older software version for the SOFA group. Currently running comparison dataset from updated software version. (Sothcott)</li> <li>Completed verification of the delivery software for ValR8, ValR9, and ValR10 SSF products. (Sothcott)</li> <li>Generated verification data on the SCF for Norman Loeb to support the Science validation efforts for ValR8, ValR9 and ValR10. (Sothcott)</li> <li>Examining Inversion code and ancillary data to explain discrepancies in results found by Nitchie Smith during ADM group validation of Aqua Edition2A SSF data. (Nolan &amp; Sothcott)</li> <li>Created 7 hours of FM1 and FM2 SSFs using the MOD06 input data from Walt Miller. (Nolan)</li> </ul>	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> <li>Delivered subsystem to CM with updated documentation. (Caldwell, Zentz)</li> <li>Setting up interfaces with SGE. (Zentz)</li> </ul>	

**Table 6: December 14, 2005 - Subsystem Issues and Status (3 of 3)**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
7.2	Coleman	<ul style="list-style-type: none"> <li>No new activity.</li> </ul>	
12.0	Coleman	<ul style="list-style-type: none"> <li>No new activity.</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>	
10.0	Nguyen	<ul style="list-style-type: none"> <li>Continue working on creating the ISCCP cloud format SRBAVGs for MODIS and GGEO clouds. (Nguyen)</li> <li>Supported the DAAC in testing SRBAVGs. (Nguyen)</li> <li>Updated the scripts to put the temporary output files in the support output section of the PCF file. (Nguyen)</li> <li>Updated the DPC to add the SDS index. (Nguyen)</li> <li>Continue validating the daily means from SRBAVG4. (Nguyen)</li> </ul>	
6.0	Raju	<ul style="list-style-type: none"> <li>No new updates received.</li> </ul>	
9.0	Raju	<ul style="list-style-type: none"> <li>No new updates received.</li> </ul>	
11.0	Raju	<ul style="list-style-type: none"> <li>No new updates received.</li> </ul>	
CERESlib Coleman/Zentz		<ul style="list-style-type: none"> <li>Installing current version of CERESlib on the Mac cluster. (Zentz)</li> </ul>	