

January 24, 2007 - System Issues and Status

**Table 1: Process Strategy/Geier as of 01/24/07
Active Requests in order of priority (1 of 2)**

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	
PRs 2-07 to 4-07		Edition2A	GGEO/ GGEOW (SS11)	11.1P10 11.2P2 11.6P1	6/04 - 10/05	
PR 1-07	FM1, FM2	Edition2D	TISA avg (SS10)	10.1P2 10.1P1	6/04 - 10/05	
PR 129-06	FM3, FM4	Beta6	TISA avg (SS10)	10.1P5 10.1P4	7/02 - 5/04	Waiting on promotion (which won't occur until 1-07 complete OR immediately preceding OS upgrade, whichever comes first).
PR 131-06	FM1 or FM2	Beta3	Synoptic (SS7.2)	7.2.1P1	3/00 - 12/01 2/03	
PR 130-06	FM1, FM2	ValR8	TISA avg (SS10)	10.1P2 10.1P1	5/04	Waiting on promotion; will most likely be cancelled.
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.

Table 1: Process Strategy/Geier as of 01/24/07
Active Requests in order of priority (2 of 2)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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 117-06		Beta9	GGEO (SS11)	11.4P1	6/04 - 12/05	Cancelled 1/10/07.
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: January 24, 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 delivery associated with SCCR 643 on <i>warlock</i> and <i>magneto</i> and released it to the ASDC. (Saunders)• Tested the MySQL version of the CERES CM system and provided comments/corrections to Beth Flug. (Ayers)• Updated the CERES Subsystem and Coefficients Delivery Schedules and posted them on the Web. (Ayers, Saunders)

Table 3: CERES Subsystem Delivery Schedule - January 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)
Inversion (SCCR 638)	December 8	December 22	After Upgrades	Aqua Inversion Edition2B to fix SW Model B errors.			<i>warlock</i>
TISA Averaging (SCCR 639)	February 2	February 16	February 23	Support Terra/Aqua Beta3 SYN/AVG/ZAVG processing.			<i>warlock</i>
Clouds (SCCR 603)	March 2007			To process MODIS V005. Delivery needs to be made prior to processing Collection 5. To run Terra/Aqua Beta1-Ed3 SSF.	X	X	<i>warlock</i>
TISA Averaging	Spring 2007			Support Edition2D SRBAVG Daily & ISCCP-like processing.			<i>warlock</i>
Instrument	Spring 2007			Delivery of simulated IES PGE to support TRMM VIRS-only processing.			<i>warlock</i>
Clouds	Spring 2007			Support TRMM VIRS-only processing of August 2001 forward.			<i>warlock</i>
Instrument (SCCR 627)	Spring 2007			To allow processing of both Edition2 and Edition3 data through PGE CER1.3P3			<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 - January 2007

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
Instrument/ ERBE-like	N/A	February 23	February 23	Terra and Aqua Edition2 gains and spectral response function files for January 1, 2006 - January 1, 2007.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	Early Summer 2007		Terra Edition3 gains and spectral response function files for February 2000 - June 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	Early Summer 2007		Aqua Edition3 gains and spectral response function files for June 2002 - March 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	Late Summer 2007		Terra Edition3 gains and spectral response function files for July 2005 - December 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	Late Summer 2007		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 January 8 at 4:00 p.m. - January 22 at 12:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
637			X			10		
641			X			1		
643			X			7.2		

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

Table 6: January 24, 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 processing of all <i>thunder/lightning/lanina/cluster</i> software using the SAN disk. So far no problems have been encountered. Still transitioning the rest of the group files to the SAN. Work to transfer over the CVS repository still needs to be completed before the disk will be opened to the entire Instrument group. (Cooper) Testing instrument PGEs on <i>thunder/lightning/lanina</i>. Other than delays due to machine issues, all tests are going smoothly. So far PGEs CER1.1Px and CER1.2P1 have been successfully tested. Results still need to be compared to existing data files, but no issues are expected, since these PGEs showed no differences when tested on <i>darrin</i> using TK5.2.14. (Cooper) The cluster is now set up to process both Edition3 (in the common instrument area) and Edition2 (in the instrument development area). Initial validation testing for Terra Edition2 has been completed. Aqua Edition2/3 testing is awaiting transfer of the Aqua BDSs to the SAN disk. (Cooper, Donaldson, Snyder) CERES Special Ops: GERB intercomparison - 01/15 - 02/10/2007. (Szewczyk) 	
2.0	Walikainen	<ul style="list-style-type: none"> Converted all ERBE-like code to work on MAC cluster. (Donaldson) Created Edition2 spectral correction coefficients and nadir files for Terra 2006 data. (Walikainen) Created seasonal spectral correction coefficients for Edition3 Terra. This is Test5. (Walikainen) Creating QC reports for second time constant study. (Walikainen) CER2.4P1 and CER 2.2P1 have passed the testing of the new operating system. (Walikainen) 	

Table 6: January 24, 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 a off line program that extracts the spectral response functions from an ES8. This output is an ASCII file. (Kizer) 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"> Worked on running Collection 4 for Terra Edition2 for 8 days. (R. Brown) CloudVis images for Terra Edition2-QC data from July 2005 through December 2005 were processed for the following regions: Greenland; Lapter Sea; Palmer; Wilkes Land; Marie Byrd Land; Alert, Canada; Eureka, Canada; and Tiksi, Russia. (R. Brown) Clouds scripts conversion to perl scripts (99% complete, need more testing). (Chen, Sun-Mack) Worked on CO2 slicing striping issue. (S. Sun-Mack) Worked on calculating CO2 slicing cloud optical depth. (Sun-Mack) Worked on code conversion. (Sun-Mack) Worked on SGP single layer cases for upcoming ARM meeting. (Chen, Sun-Mack) 	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

Table 6: January 24, 2007 - Subsystem Issues and Status (3 of 4)

SS No.	SS Lead	Status	Problems
4.4	Miller	<ul style="list-style-type: none"> Tested clouds PGE using new OS on <i>thunder</i>. The existing executable for 0P1 - Snow and Ice, 2P1 - Daily QC, 2P2 - Clear Sky Update, and 3P1 - Monthly QC produced identical results. The existing executable for 1P3 - Aqua main processor showed scientifically insignificant results from limiting testing. Additional testing is planned. PGE 1P1 (TRMM) and 1P2 have not been tested yet. (Miller) Migration of data and code to the SAN continued. Validated software as it is moved. (Miller) Estimated Inversion Strength (EIS) and cloud fraction for 20000911 were generated to compare to an earlier paper using winds and SST for determining cloud cover for Dr. Norm Loeb. Graphs produced from the data was provided to Dr. Loeb. (Miller) 	
4.5	Sothcott	<ul style="list-style-type: none"> Attended weekly SOFA working group meetings. (Sothcott) Completed testing of all Inversion PGEs on <i>darrin</i> using the updated OS and toolkit. All PGEs require recompile with this combination of OS and toolkit. (Sothcott) Currently testing Inversion PGEs on <i>lightning</i> using the new OS and current toolkit. (Sothcott) Updating the SOFA working group Inversion testing software to incorporate the changes from the Aqua Edition2B version. (Sothcott) 	
4.6	Sothcott	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> Working with Fred Rose on Edition 3 CRS structure. (Caldwell, Coleman) Testing Instantaneous SARB on SCF with new OS - investigating differences. (Caldwell, Coleman) 	
7.2	Coleman	<ul style="list-style-type: none"> No new updates. 	
12.0	Coleman	<ul style="list-style-type: none"> Testing on SCF with new OS. (Caldwell) Working with FLASHflux team to resolve GEOS-5 related issues. (Caldwell) 	

Table 6: January 24, 2007 - Subsystem Issues and Status (4 of 4)

SS No.	SS Lead	Status	Problems
7.1	Nguyen	<ul style="list-style-type: none"> Tested CER7.1.1P1 with the new operating system on <i>thunder</i>. (Nguyen) 	
8.0	Nguyen	<ul style="list-style-type: none"> Updated code to delete the 2 Vgroups in ZAVG. (Nguyen) Corrected errors found in the output data. (Nguyen) Tested CER8.1P1 with the new operating system on <i>thunder</i>. (Nguyen) Running July 2002 Terra SYN/AVG/ZAVG for validation. (Nguyen) Preparing for delivery. (Nguyen) 	
10.0	Nguyen	<ul style="list-style-type: none"> Tested CER10.1P5 and CER10.1P4 with the new operating system. (Nguyen) Updated the GGEO satellite ID in Aqua and Terra code and reran February 1998 TRMM for Doelling to analyze. (Nguyen) Preparing to run January and March 1998 TRMM SRBAVGs. (Nguyen) Copying tisa_avg directories to tisa_avg-san. (Nguyen) 	
6.0	Raju	<ul style="list-style-type: none"> Copied subsystem directories from sgi to SAN area. Ran one hour of data through all PGEs without a problem. (Raju) 	
9.0	Raju	<ul style="list-style-type: none"> Copied subsystem directories from sgi to SAN area. Ran one hour of data through all PGEs without a problem. (Raju) 	
11.0	Raju	<ul style="list-style-type: none"> Copied GGEO subsystem directories from sgi to SAN area. (Raju) Created 1-hourly plots from 03/00 GGEO 1-hourly product to validate LW radiances and the cloud amounts. Checked one hour data with/without ir adjustments and provided the ir radiance information to Dave Doelling. (Raju) Started validating Edition2A GGEO product. (Raju) 	
CERESlib Coleman/Zentz		<ul style="list-style-type: none"> No new updates. 	