November 17, 2004 - System Issues and Status

Table 1: Process Strategy/Geier as of 11/17/04
Active Requests in order of priority (1 of 4)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 102-04	Terra	ValR6	SFC (SS 9)	9.3P1 9.4P1	3/00 - 2/03	**Hold: waiting on code to promote.** Run only 9.3 & 9.4.
PR 101-04	Terra	ValR6	SRBAVG (SS10)	10.1P1	3/00 - 2/03	**Hold: waiting on code to promote.**
PR 104-04	Aqua	ValR2	SFC (SS 9)	9.3P1 9.4P1	7/02 - 2/03	**Hold: waiting on code to promote.** Run only 9.3 & 9.4.
PR 103-04	Aqua	ValR2	SRBAVG (SS10)	10.1P1	7/02 - 2/03	**Hold: waiting on code to promote.**
PR 100-04	Terra	Edition2C	SFC (SS 9)	9.3P1 9.4P1	3/00 - 12/03	**Hold: waiting on ValR6 to be verified.** Run only 9.3 & 9.4.
PR 99-04	Terra	Edition2C	SRBAVG (SS10)	10.1P1	3/00 - 2/03	**Hold: waiting on ValR6 to be verified.**
PR 74-04	Terra	Edition2B	SSF (SS4) Inversion	4.5-6.3P2 4.5-6.2P2 4.5-6.4P1	3/00 - 12/03 2/25/00 - 2/29/00	
PR 73-04	Terra	Edition2B	SFC (SS9)	9.2P1 9.3P1 9.4P1	3/00 - 12/03	When TISA gridding ready to promote, **STOP PROCESSING.** I will cancel 73-04 and issue new PR for remaining months.
PR 86-04	Terra	Beta2	TISA avg (SS8)	8.1P1	3/00	Done 11/3/04.
PR 83-04	TRMM	Beta3	Synoptic SARB (SS7.2)	7.2.1P1	3/00	Done 11/6/04.
PR 84-04	Terra	Beta2	Synoptic SARB (SS7.2)	7.2.1P1	1/01, 4/01, 7/01, 10/01	Done 11/3/04.
PR 86-04	Terra	Beta2	TISA avg (SS8)	8.1P1	1/01, 4/01, 7/01, 10/01	Done 11/6/04.

Table 1: Process Strategy/Geier as of 11/17/04
Active Requests in order of priority (2 of 4)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 72-04	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	3/03	Process crosstrack Instrument only.
PR 71-04	Terra	Edition2B	FSW (SS6)	6.1P1 6.2P1 6.3P1	3/03	Process crosstrack Instrument only.
PR 72-04	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	7/00 - 2/01	Process crosstrack Instrument only.
PR 71-04	Terra	Edition2B	FSW (SS6)	6.1P1 6.2P1 6.3P1	7/00 - 2/01	Process crosstrack Instrument only.
PR 61-04	Aqua	Edition1A	SSF (SS4) Clouds	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	7/02 - 6/03	Complete through 3/03.
PR 60-04	Aqua	Edition1A	SSF (SS4) Inversion	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	7/02 - 6/03	In production.
PR 59-04	Aqua	Edition1A	SFC (SS9)	9.2P1 9.3P1 9.4P1	7/02 - 6/03	When TISA gridding ready to promote, **STOP PROCESSING.** I will cancel 73-04 and issue new PR for remaining months.
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 9/04 - present	DO NOT PROCESS 3.2P2 - it is on hold.

Table 1: Process Strategy/Geier as of 11/17/04
Active Requests in order of priority (3 of 4)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
Standing requests PM-PR 7-03A to 10-03	Aqua	Edition1	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1 ~~3.2P2~~	For 10/04 - present	DO NOT PROCESS 3.2P2 - it is on hold.
Standing requests AM-PR 8A-02 to 11-02	Terra	Edition2	BDS/ ERBElike (SS1-3)	1.2P1 1.3P3 2.2P1 2.3P1 2.3P2 2.4P1 3.1P1 ~~3.2P2~~	For 1/04 - present	**HOLDING - waiting for associated ValRx to run.** DO NOT PROCESS 3.2P2 - it is on hold.
Standing requests PM-PR 11-03, 13-03 to 17-03	Aqua	Edition2	BDS/ ERBElike (SS1-3)	1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 2.4P1 3.1P1 ~~3.2P2~~	For 3/04 - present	DO NOT PROCESS 3.2P2 - it is on hold.
Standing request PM-PR 12-03	Aqua/ Terra	Edition2	ES4/ES9 (SS3)	3.2P1	For 1/04 - present	**HOLDING - waiting for both Terra and Aqua to have processed Edition2 data beyond 1/04.**
PRs 60-04, 61-04	Aqua	Edition1A	SSF (SS4)	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	7/03 - 12/03	
M-PR 3-02		NSIDC-NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	Currently not running - files getting sent have naming problem (3 digit month starting Oct'04).

Table 1: Process Strategy/Geier as of 11/17/04
Active Requests in order of priority (4 of 4)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 72-04	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	3/01 - 2/02 4/02 - 2/03	Process crosstrack Instrument only.
PR 71-04	Terra	Edition2B	FSW (SS6)	6.1P1 6.2P1 6.3P1	3/01 - 2/02 4/02 - 2/03	
M PR 2-04		GEOS4	MOA (SS12)	12.1P1	10/04 - present	
M PR 1-04		GEOS4	PMOA (SS9.1)	9.1P1	10/04 - present	
PR 63-04	Aqua	Beta1	CRS (SS5)	5.0P1 5.1P1 5.4P1	7/02-6/03	
PR 62-04	Aqua	Beta1	FSW (SS6)	6.1P1 6.2P1 6.3P1	7/02-6/03	
PRs 60-04, 61-04	Aqua	Edition1A	SSF (SS4)	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	1/04 - 6/04	**HOLDING - waiting on IES availability.**
PR 72-04	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	4/03 - 6/03	Process crosstrack Instrument only.
PR 71-04	Terra	Edition2B	FSW (SS6)	6.1P1 6.2P1 6.3P1	4/03 - 6/03	

Table 2: Process Strategy/Geier as of 11/17/04
Coming Soon (1 of 2)

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
1/05	Aqua	Edition1B	SFC (SS 9)	7/02 - 6/03	Redelivery expected 11/04, correct region numbers.
	Aqua	Edition1B	SRBAVG (SS10)	7/02 - 2/03	
2/05		ValR11	GGEO (SS11)	3/03 - 6/03	Requires redelivery to handle GOES-9 and GOES-12; requires coefficients.
	Aqua	ValR1	SRBAVG (SS10)	3/03 - 6/03	
3/05		Edition2A	GGEO (SS11)	3/03 - 6/03	ValR11 must be approved.
	Aqua	Edition1B	SRBAVG (SS10)	3/03 - 6/03	
unkn		ValR11	GGEO (SS11)	? months	7/03 - 6/04; requires coefficients.
		Edition2A	GGEO (SS11)	7/03 - 6/04	
	Aqua	Edition1A	SRBAVG (SS10)	7/03 - 6/04	
	TRMM	Beta4	TSI (SS7.1)	9 months	Not on Bruce's schedule.
	Terra	Beta3	TSI (SS7.1)	12 months	Not on Bruce's schedule.
	TRMM	Beta4	Synoptic SARB (SS7.2)	9 months	Not on Bruce's schedule.
	Terra	Beta3	Synoptic SARB (SS7.2)	12 months	Not on Bruce's schedule.
	TRMM	Beta4	SYN/AVG/ ZAVG (SS8)	9 months	Not on Bruce's schedule.
	Terra	Beta3	SYN/AVG/ ZAVG (SS8)	12 months	Not on Bruce's schedule.
	Aqua	Beta1	TSI (SS7.1)		Not on Bruce's schedule.
	Aqua	Beta1	Synoptic SARB (SS7.2)		Not on Bruce's schedule.

Table 2: Process Strategy/Geier as of 11/17/04
Coming Soon (2 of 2)

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

Table 3: November 17, 2004 - System Issues and Status

Activity	Lead	Status
CM	Ayers	• 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 following subsystem deliveries and released them to the ASDC: TISA Gridding (SCCR 565) and TISA Averaging (SCCR 566). (Ayers, Saunders) • Delivered the September 2004 Clouds S'COOL data file to the ASDC. (Saunders) • Re-delivered the Clouds S'COOL data files for April 2003 through September 2004 to the ASDC. (Saunders) • Updated the CERES Subsystem Delivery Schedule and posted it on the CERES CM Web site. (Ayers, Saunders)

Table 4: CERES Subsystem Delivery Schedule - November 2004
(Next CERES Science Team Meeting - May 3 - 5, 2005 in Princeton, NJ)

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Delivery to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)
Clouds (SCCR 567)	November 5	November 19	November 26	Turn on CloudVis parameters and file for Bing Lin. Support Aqua Edition1A processing.		
Inversion	November 19	December 3	December 10	To run alternate main on a daily basis.		X
Instrument	2005			Terra gains files.		
ERBE-like	2005			Terra spectral response function files.		
TISA Gridding	February 2005			Deliver all Subsystem 6 PGEs.		
GGEO (SCCR 553)	January 28	February 11	February 18	Delivery to handle GOES-9 and GOES-12, new McIdas format and processing data beyond March 2003.		X
Clouds	Spring 2005			Support TRMM VIRS-only processing of August 2001 forward.		

Table 5: SCCR Activity November 1 at 1:45 p.m. - November 15 at 3:30 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
563				X		5		
565			X			9		
566			X			10		
567	X					4.1-3	9	

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

CERES Software Configuration Change Request Submittal
==========

Subsystem: Clouds 4.1-3 SCCR Date & TIME: 2004-11-15 10:01:45 SCCR No.: 567

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
CER4.1-4.1P3: Retrieval
(1) Selected relevant parameters of CloudVis output file for Aqua Edition1A processing.
CER4.1-4.1P3: Environmental Script
(1) Added the capability of turning on/off CloudVis output file.

Reason for Change (non-Science):
CER4.1-4.1P3: Retrieval
(1) To support Bing Lin's microwave group: validation studies between TMI and MODIS on Aqua.
CER4.1-4.1P3: Environmental Script
(1) To give ASDC the flexibility of turning on/off CloudVis file in the environmental script without any delivery.

Affected PGEs: CER4.1-4.1P3
Est. Time to Complete Changes: 2-3 days
Planned Delivery Date: Nov. 19, 2004
Impact: None
Originator: SUN-MACK, SUNNY (SAIC)

Table 6: November 17, 2004 - Subsystem Issues and Status (1 of 5)

SS No.	SS Lead	Status	Problems
1.0	Cooper	• Evaluating FM4 3-channel bridge balance memory patch test. (Hess) • Continued tracking receipt of Terra/Aqua Level-0, Ephemeris and Attitude data at ASDC. A test was run of a patch to fix a flag in the Quicklook data for the Terra and Aqua instruments. The expedited data was received at ASDC, however, it was not ingested. Contacted Patricia Earl about the problem and a solution is being worked. There is a work-around to getting the quick-look data over to the SCF, but it requires a manual step by Denise. The test was run for FM2, the patch will be uploaded to the other three instruments and similar tests will be run. With this patch in place, it will be possible to order Quicklook data at any time. (Cooper & Snyder)	
2.0	Walikainen	• Verified all the new Nadir files created at the ASDC with final, accepted test files created at the SCF. The new Nadir files are a subset of Aqua Edition2 ERBE-like data products generated using recently delivered Spectral Response Functions for March through July 2004. (Walikainen) • Discovered Aqua Edition2 measurements rejected with low albedos. Until Jan04 no measurements were rejected for low albedo. This year eleven days show a daily reject total over 100. Solar eclipses produce low albedos, but can not account for this 2004 increase. (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.	

Table 6: November 17, 2004 - Subsystem Issues and Status (2 of 5)

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack	• Completed processing CloudVis images for TRMM VIRS Edition2-VIRSonly for Southwest African Coast from January though July 2001. TRMM VIRS CloudVis images have been completed for all 28 subset regions for 1998, 1999, and 2001. (R. Brown) • CloudVis images were processed for Terra MODIS Edition2-QC data for all subset regions for July 2003 and for the Oklahoma ARM Site from February 2000 through December 2003. (R. Brown) • Completed processing 56 subset regions for Aqua MODIS Edition1A for August 2008. All results were posted on the Web. (R. Brown) • Completed processing hourly QC plots for Aqua MODIS Edition1A for July 2003. Added ability to display additional cloud properties to the QC Viewer/ Web Viewer. (R. Brown) • S'COOL files were delivered for 200304 through 200409. (R. Brown) • Trying to read and understand GLAS data (Geoscience Laser Altimeter System) aboard the Ice, Cloud, and land Elevation (ICESat) satellite. (Chen & Sun-Mack). • Continue working on Multilayer algorithm and delivered the code to AS&M. (Chen & Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller	• Generated comparison between Aqua FM3 and FM4 for other solar zenith angles for ocean and land. Results remained consistent. Started comparison with September 3, 2004 hourly data. Neither of the hours investigated had s high of a difference. (Miller)	

Table 6: November 17, 2004 - Subsystem Issues and Status (3 of 5)

SS No.	SS Lead	Status	Problems
4.5	Nolan	• Created software to compare the inversion parameters on two SSF binary QC files. (Nolan) • Continued work to modify and test PGE CER4.5-6.6P2, the daily Inversion-only processor. Tar files were created and tested on warlock. (Nolan) • Continued work to retrieve Aqua Edition1A SSF subsets from the DAAC Archive, sort the files according to the most prominent scan mode for each day of data, and place them in the CERES Archive for the ADM Working Group. (Nolan) • Continued work to modify and test PGE CER4.5-6.2P2 version which includes a flag to turn off the creation of the SSF subset files and allow only the SSF validation subsets to be created for FLASH Flux. (Sothcott) • Continued work to run the latest versions of the daily subset PGE CER4.5-6.2P2 and the monthly validation PGE CER4.5-6.4P1 with the 9 additional CERES validation sites using Terra Edition2B SSFs. (Sothcott)	
4.6	Nolan	Combined with above.	
5.0	Coleman	• Posted QC plots for July and August 2000 Terra Edition2B to Web. (Caldwell) • Answering Jim Donaldson's questions regarding the Monthly Pre-Processors. (Caldwell) • Developing SARB Web pages that are OneNASA compliant. Working with Working Group to determine their needs and wish list. Current focus is on accessing QC plots and data. Also adding hooks to existing SARB sites such as the CAVE. (Zentz) • Developed plan for updating 1990 version of the CERES Data Management Plan. Making initial assignments for each section. (Coleman)	
7.2	Coleman	• No new updates.	

Table 6: November 17, 2004 - Subsystem Issues and Status (4 of 5)

SS No.	SS Lead	Status	Problems
12.0	Coleman	• Trying to find cause of BUS error when running Regrid MOA with the 64-bit ECMWF libraries. (Caldwell & Zentz)	
7.1	Nguyen	• No new updates.	
8.0	Nguyen	• No new updates.	
10.0	Nguyen	• Delivered SS10 code to CM. (Nguyen) • Ran several months of SRBAVGs and checked for errors in the outputs. (Nguyen) • Estimated the daily mean SRBAVG file size. Looking into possibilities of adding the daily means. (Nguyen) • Model A and model B SW surface fluxes were defaults for the day with CERES observations in the high solar zenith angle regions. Worked with Anne Wilber and Shashi Gupta to solve for the above case. (Nguyen) • Extracting the monthly mean flux data from SRBAVGs for Colleen Mikovitz. (Nguyen)	
6.0	Raju	• Received 3 parameters (satellite emulated WN flux, initial & adjusted and Aerosol constant ratio) from Fred Rose (AS&M) that need to be added to FSW product. Initiated the work to update code. (Raju)	
9.0	Raju	• Delivered PGE CER9.3P1 to CERES CM on November 4. (Raju) • Operator's Manual was updated to include separate ProductionStategy and CC code environment variables for each PGE. Sent updated document to CM. (Raju) • Learned how to transfer files using NLstore tool. Transferred few files without a problem. (Raju) • Attended Science team meeting at Williamsburg. (Raju) • Verified Edition2B SFC check orders using Read Software and found no problems. (Raju)	

Table 6: November 17, 2004 - Subsystem Issues and Status (5 of 5)

SS No.	SS Lead	Status	Problems
11.0	Stassi	• Wrote a program to strip the CERES and GGEO cloud matched data values from the GGEO Cloudplot statistics files. The stripped data was sent to Michele Nordeen who made scatterplots for Dave Doelling. (Stassi) • Investigating which changes to the GGEO Cloudplot source code had the greatest impact on the differences to the data after the changes. (Stassi)	
CERESlib Stassi/Ayers		• No updates. (Stassi)	