July 14, 2004 - System Issues and Status

Table 1: Process Strategy/Geier as of 07/14/04
Active Requests in order of priority (1 of 3)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 58-04	Aqua	ValR1	Intermediate SSF (SS4.1-4) Clouds	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	7/02, 12/02	Done 7/7/04.
PR 57-04	Aqua	ValR1	SSF (SS4.5-6) Inversion	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	7/02, 12/02	**HOLDING - waiting on Inversion delivery and promotion.**
PR 56-04	Aqua	ValR1	SFC (SS9)	9.2P1 9.3P1 9.4P1	7/02, 12/02	**HOLDING - waiting on input availability.**
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	**HOLDING - waiting on verification of ValR1.**
PR 60-04	Aqua	Edition1A	SSF (SS4) Inversion	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	7/02 - 6/03	**HOLDING - waiting on verification of ValR1.**
PR 59-04	Aqua	Edition1A	SFC (SS9)	9.2P1 9.3P1 9.4P1	7/02 - 6/03	**HOLDING - waiting on verification of ValR1.**
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 5/04 - present	DO NOT PROCESS 3.2P2 - it is on hold.

Table 1: Process Strategy/Geier as of 07/14/04
Active Requests in order of priority (2 of 3)

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 6/04 - 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 Aqua Gains and SRF to be delivered and 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	**HOLDING - waiting for Aqua Gains and SRF to be delivered and associated ValRx to run.** 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	**HOLDING - waiting on verification of ValR1.**
M-PR 3-02		NSIDC-NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	

Table 1: Process Strategy/Geier as of 07/14/04
Active Requests in order of priority (3 of 3)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
M PR 2-04		GEOS4	MOA (SS12)	12.1P1	6/04 - present	Priority of MOA/ PMOA has dropped because ASDC is current. Standing request to process data as it arrives.
M PR 1-04		GEOS4	PMOA (SS9.1)	9.1P1	6/04 - present	
PR 63-04	Aqua	Beta1	CRS (SS5)	5.0P1 5.1P1 5.4P1	7/02-6/03	**HOLDING - waiting on code to promote and SSF availability.**
PR 62-04	Aqua	Beta1	FSW (SS6)	6.1P1 6.2P1 6.3P1	7/02-6/03	**HOLDING - waiting on CRS availability.**
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 verification of ValR1 and on IES availability.**
PR 53-04, 54-04	Aqua-FM4	BetaGERB	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	4/04	Done 6/29/04.
PR 52-04	Aqua-FM4	BetaGERB	SFC (SS9)	9.2P1 9.3P1 9.4P1	4/04	Done 6/29/04.

Table 2: Process Strategy/Geier as of 07/14/04
Coming Soon (1 of 2)

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
	Terra	ValR5	SSF(SS4)	12/01, 6/02	Inversion only (alternate main) delivery 7/9/04 & 7/16/04.
	Terra	ValR5	CRS(SS5)	?	Delivery 6/25/04.
	Terra	Beta2	Synoptic SARB (SS7.2)	3/00, 4/00, 1/01, 7/01, 10/01	6/18/04 delivery.
	TRMM	Beta3	Synoptic SARB (SS7.2)	9 months	6/18/04 delivery - lower priority than TRMM.
7/04	Terra	Edition2B	SSF (SS4.5-6)	50 months	Updated ADMs, code correction, correct clear area coverage as needed (50-60 deg lat), new cloud classification parameter; delivery expected 6/18/04.
	Terra	Edition2B	CRS(SS5)	50 months	Delivery expected 5/28/04.
	Terra	Edition2B	SFC (SS9)	50 months	6/4/04 delivery.
	Terra	Edition2B	FSW(SS6)	50 months	Assuming no delivery needed.
	Aqua	Edition1A	SRBAVG (SS10)	7/02 - 6/03	Unknown delivery date; requires GGEO for 3/03 - 6/03 which has never been processed.
8/04	Terra	ValR4	BDS/ERBE-like(SS1-3)	1 month	Verify newly delivered gains and spectral response functions.
		ValR11	GGEO (SS11)	4 months	3/03 - 6/03; requires redelivery to handle GOES-9 and GOES-12; requires coefficients.
		Edition2A	GGEO (SS11)	4 months	3/03 - 6/03; ValR11 must be approved.
	Aqua	Beta1	CRS(SS5)	First 12 months	July delivery ??
	Aqua	Beta1	FSW (SS6)	First 12 months	Test at SCF to verify no redelivery needed.
	TRMM	Beta3	SYN/AVG/ ZAVG (SS8)	9 months	7/23/04 delivery.
	Terra	Beta2	SYN/AVG/ ZAVG (SS8)	3/00, 4/00, 1/01, 7/01, 10/01	7/23/04 delivery.

Table 2: Process Strategy/Geier as of 07/14/04
Coming Soon (2 of 2)

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
9/04	Aqua	Edition1A	SSF(SS4)	Second 12 months	
	Aqua	Edition1A	SFC(SS9)	Second 12 months	
	Terra	Edition2B	SRBAVG (SS10)	50 months	
10/04		ValR11	GGEO (SS11)	? months	7/03 - 6/04; requires coefficients.
		Edition2A	GGEO (SS11)	7/03 - 6/04	
	TRMM	Beta4	Synoptic SARB (SS7.2)	9 months	
	Terra	Beta3	Synoptic SARB (SS7.2)	12 months	
11/04	TRMM	Beta4	SYN/AVG/ ZAVG (SS8)	9 months	
	Terra	Beta3	SYN/AVG/ ZAVG (SS8)	12 months	
	Aqua	Beta3	SRBAVG (SS10)	7/03 - 6/04	
	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: July 14, 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: Instantaneous SARB (SCCR 541) and Inversion (SCCR 543). (Ayers, Saunders) • Delivered the May 2004 Clouds S'COOL data file to the ASDC. (Saunders) • Updated the CERES Subsystem Delivery Schedule. (Ayers)

Table 4: CERES Subsystem Delivery Schedule

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Delivery to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)
Inversion	July 2	July 16	July 23	Support Terra Edition2B SSF processing. Delivery of new daily processor PGE CER4.5-6.6P2 to support Terra Edition2B processing.		X
Instrument	N/A	July 23	July 23	Terra gains files.		
ERBE-like	N/A	July 23	July 23	Terra spectral response function files.		
CERESlib	July 9	July 23	July 30	Synoptic SARB changes.		
Synoptic SARB	July 9	July 23	July 30	Support TRMM Beta3 and Terra Beta2 SYNI processing. Full delivery since the TRMM processing problem will also be corrected.	X	
TISA Averaging (Subsystem 8)	July 9	July 23	July 30	Support TRMM Beta3 and Terra Beta2 AVG, ZAVG, and SYN processing.		
TISA Averaging (Subsystem 10)	August			Support Terra Edition2A and Aqua Edition1A (maybe) SRBAVG processing.		
GGEO	August 6	August 20	August 27	Delivery to handle GOES-9 and GOES-12.		
Clouds	??? (November)			Support TRMM VIRS-only processing from August 2001 through August 2002.		

Table 5: SCCR Activity June 28 at 3:30 p.m. - July 12 at 1:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
536				X		4.1 - 4.4		
539				X		5 & 7.2		
540				X		7.2		
542				X		CERESlib		
543			X			4.5 & 4.6		
544			X			5 & 7.2		
545			X			7.2		

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

Table 6: July 14, 2004 - Subsystem Issues and Status (1 of 4)

SS No.	SS Lead	Status	Problems
1.0	Cooper	• Continued tracking receipt of Aqua and Terra data at ASDC. (Cooper, Snyder) • FM2 will scan desert for 15 days starting Monday, 19th (ADM's). (Szewczyk) • Instrument data to determine updated gains for Terra from Jan. 2004 thru May 2004 has been run at the SCF. Updates are due to be delivered on July 23. (Cooper)	
2.0	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) • Continuing analysis for SRFs, Terra Jan04-May04. (Walikainen) • Produced ERBE-like products for Earthshine response. (Walikainen) • Disk space Request - Partition 200 Gbytes, Archive 400Gbytes. (Walikainen)	
3.0	Walikainen	Combined with above.	
4.1	Sun-Mack	• Processed QC global images and statistics for Aqua-MODIS ValR1 data for July and December 2002. Results are posted on the Web. Processed Aqua-MODIS BetaGERB QC results for 200404 and posted results on the Web. (R. Brown) • Processing CloudVis images for Aqua-MODIS Val R1 data for July 2002. First five days of July are posted on the Web for all available regions. Completed processing CloudVis images for TRMM-VIRSonly data for 2001 for Nauru subset region. (R. Brown)	

Table 6: July 14, 2004 - Subsystem Issues and Status (2 of 4)

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack (Cont'd)	• QC Web Viewer updated with new Web scripts for Aqua-MODIS BetaGERB and Aqua-MODIS ValR1 datasets. CloudVis Web Viewer also updated with new Web scripts for both datasets. Working on new navigation tool for CWG Web site. (R. Brown) • S'COOL dataset for May 2004 was processed and delivered to CM. (R. Brown) • Continued working on CRYSTAL proposal. It is completed. (Gibson, Chen, Sun-Mack) • For a VIRS paper that Pat Minnis is working on and due to the deletion of VIRS Edition2 data, re-ran 3 months of VIRS (June/July/Aug/ 1998) on SCF. (Sun-Mack) • Writing code to extract the information from the above outputs once the runs are completed. (Chen, Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller	• Continued work on a MISR supplement to the SSF with Dr. Loeb, RAB. (Miller) • Monitored clouds processing for Aqua ValR1. Ninety-four and four hours failed for July and December 2002, respectively. The first 39 hours of July did not have MODIS data. There was one hour in December with a bad MODIS aerosol file. The other hours did not have IESs. (Miller) • Started validation of the Aqua ValR1 data. (Miller) • Added more functionality to a script to monitor production so it checks for missing MODIS and IES files. (Miller) • Drafted slides for Introduction to CMMI brief for those who missed it. (Miller)	

Table 6: July 14, 2004 - Subsystem Issues and Status (3 of 4)

SS No.	SS Lead	Status	Problems
4.5	Nolan	• Continued testing the latest changes in Norman Loeb's Edition2B SW module in Inversion PGE CER4.5-6.1P3. SGI Compiler options -C and -static needed to be added to the PGE makefile in order for the production code results to match Norman's stand alone program results. (Nolan and Hoppe) • Delivered PGE CER4.5-6.1P3 to CERES CM on Friday July 9, 2004. (Nolan) • Processed 1 hour of ValR1 Aqua 2002 SSF data for Walt. (Nolan) • Initiated work to modify PGE CER4.5-6.6P2 to work with flux modules from PGE CER4.5-6.1P3. (Hoppe)	
4.6	Nolan	Combined with above.	
5.0	Coleman	• Processing 2000/03/01 and 2003/03/01 FM1 data through the CRS at the SCF in between AC outages for a drift study requested by Tom Charlock and Bruce Wielicki. (Caldwell, Coleman)	
7.2	Coleman	• Investigating some questionable results in test SYNI files for Fred before preparing to deliver Synoptic SARB Subsystem. (Caldwell, Zentz)	
12.0	Coleman	• Working with FastFlux team for FastFlux MOA data using the GMAO first look files. (Zentz, Coleman)	
7.1	Nguyen	• No new updates.	
8.0	Nguyen	• Updating code to read, average and write the new parameters from SYNI to SYN HDF. Preparing for the upcoming delivery. (Nguyen)	
10.0	Nguyen	• Looking into the possibility of adding Norm's ADM code back to the new GEO interpolation code. (Nguyen) • Preparing to run 12 month of SRBAVGs at SCF. (Nguyen)	
6.0	Raju	• No new updates.	

Table 6: July 14, 2004 - Subsystem Issues and Status (4 of 4)

SS No.	SS Lead	Status	Problems
9.0	Raju	• Processed a day's worth of July 2000 Terra FM1 data at SCF for TOA SW flux validations and sent the generated outputs to Dave Young. (Raju) • Worked on SFC Description/Abstract document. Sent the document to Ms. Watkinson. (Raju)	
11.0	Stassi	• Reran GGEO on the testbed machine with the new compilers. Modified the code so that a core dump file is created rather than capturing the lib-4211 error with the iostat flag. Sent latest information to the SGI technical representative, but so far, no response. (Stassi)	
CERESlib Stassi/Ayers		• No updates. (Stassi)	The secure copy command (scp) does not work from thunder to *warlock*.