

September 24, 2003 - System Issues and Status

Table 1: Process Strategy/Geier as of 09/24/03
Active Requests in order of priority (1 of 2)

Production Request (PR)	Satellite	Production Strategy	Data Product	Data Dates	Special Status
78-03 to 83-03	Terra	Edition2	BDS/ ERBELike	1/03 - 6/03	Done 9/9/03
PR 67-03	Aqua/ Terra	Edition1	BDS/ ERBELike	1/03 - 5/03	Done 9/10/03
PR 96-03, 97-03	Terra	Edition2-QC	SSF	3/00 - 2/03	ValR1 Clouds must be approved before Edition2-QC starts.
PR 95-03	Terra	Beta2	SFC	3/00 - 2/03; every 3rd month	No delivery; run for same months as ValR9 GGEO using Edition2-QC
PR 90-03		ValR8B	GGEO	9/00, 10/00, 11/02, 1/03	2nd pass GGEO for those months in 1st 3 years that have never been processed
PR 92-03	Terra	Beta5 (Inversion only)	SSF	1/01 - 10/02	8/29 Inversion Delivery; first cut at Terra ADMs; every other SSF FOV if vzen < 63 deg
PR 94-03	Terra	Beta5	CRS	1/01 - 12/01	Beta5 SSF input; no delivery needed
PR 93-03	Terra	Beta5	FSW	1/01 - 12/01	New CRS parameters NOT included; Beta5 CRS input
PR 88-03, 89-03		Beta1Aggeo	SSF	12/02, 2/03	Done 9/14/03
PR 87-03		Beta1Aggeo	SFC	12/02, 2/03	Done 9/14/03
PR 85-03, 86-03		ValR8	GGEO	12/02, 2/03	Done 9/16/03
PR 84-03		Beta1Aggeo	SRBAVG	12/02, 2/03	Done 9/16/03
PR 77-03	Terra	Beta4	CRS	4/01 , 4/01, 7/01, 10/01	1/01 can't be run - no MOD08

Table 1: Process Strategy/Geier as of 09/24/03
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Production Request (PR)	Satellite	Production Strategy	Data Product	Data Dates	Special Status
PR 76-03	Terra	Beta4	FSW	1/01 , 4/01, 7/01, 10/01	Cancelled 9/18/03 by the time the delta delivery promotes, run with Beta5 CRS as input
Standing requests PM-PR 23-02 to 30-02 and PM-PRs 1-03, 3-03 to 6-03	Aqua	Baseline1 Edition1	BDS/ ERBELike BDS/ ERBELike	For 6/03 - present	
Standing request PM-PR 2-03	Aqua/ Terra	Edition1	ES4/ES9	For 6/03 - present	
Standing requests AM-PR 1-00 to 7-00	Terra	Edition1	BDS/ ERBELike	For 6/03 - present	
PR 94-02		ECMWF-GEOS4	MOA	Through 9/03	Processed through 7/03
PR 25-03, 26-03		ECMWF-GEOS4	PMOA	Through 9/03	
M-PR 3-02		NSIDC-NES-DIS	EICE ESNOW	Standing request	
PR 96-03, 97-03	Terra	Edition2-QC	SSF	3/03 - 6/03	Run at LOW priority after 2/03 finishes
PR 61-03	Terra	Beta1	Synoptic SARB	1/01, 4/01, 7/01	ON HOLD Requires redelivery currently scheduled 10/3/03. Full delivery fixes segmentation faults, rerun TRMM data

Table 2: Process Strategy/Geier as of 09/24/03
Coming Soon (1 of 2)

Active Month	Satellite	Processing Strategy	Data Product	Data Dates	Comments
9/03	Terra	ValR1	SSF	Several days	Cloud delta delivery expected ASAP
10/03		ValR9	GGEO	3/00 - 2/03; every 3rd month	10/3/03 delivery date
	Terra	Beta3	SRBAVG	3/00 - 2/03; every 3rd month	No delivery
11/03	Terra	ValR2 (Inversion only)	SSF	several days, up to 2 months	Delivery currently scheduled for 10/24/03. This must be approved before Edition2A starts.
	Terra	Edition2A (Inversion only)	SSF	3/00 - 6/03	Production starts once ValR2 approved. Delivery currently scheduled for 10/24/03
	TRMM	Beta2	Synoptic SARB	4/98, 7/98, 8/98	Rerun 3 months of SYNI to use as input for SYN/AVG/ZAVG
	TRMM	Beta1	SYN/AVG/ZAVG	4/98, 7/98, 8/98	Delivered 8/22; If compressed HDF available by 10/17, code will be redelivered. Do not want to process until SYNI reprocesses TRMM months
	Terra	Beta1	SYN/AVG/ZAVG	1/01, 4/01, 7/01	
	Aqua	Beta2	SSF	10/02	10/10/03 delivery needed. Include renamed MODIS aerosol parameter; 4x2 MODIS; every other SSF FOV when $vzen < 63$ deg; 7/1 Inversion delivery handles latest SRF
	Aqua	Beta1	CRS	10/02	Preprocessor redelivery needed; delivery needed 10/10/03
	Terra	Beta6	FSW	1/01 - 12/01	10/31/03 delivery. Picks up new CRS parameters
	Aqua	Beta1	FSW	0/02	Requires redelivery of 6.3; currently scheduled together with Terra delivery that picks up additional CRS parameters; delivery expected 10/31/03
1/04	Terra	Beta2	TSI	3/00 - 2/01	Delivery need date 11/7/03
	Aqua	Beta1	TSI		Not on Bruce's schedule
	Aqua	Beta1	Synoptic SARB		Not on Bruce's schedule

Table 2: Process Strategy/Geier as of 09/24/03
Coming Soon (2 of 2)

Active Month	Satellite	Processing Strategy	Data Product	Data Dates	Comments
	Aqua	Beta1	SYN/AVG/ ZAVG		Not on Bruce's schedule

Table 3: September 24, 2003 - System Issues and Status

Activity	Lead	Status
CM	Ayers	<ul style="list-style-type: none"> • See Table 4 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 4. (Ayers) • Tested the Clouds (SCCR 467) delivery and released it to the ASDC. (Ayers) • Delivered the Clouds S'COOL data file for July 2003 tot he ASDC. (Ayers) • Delivered various updated files and documentation to the ASDC. (Ayers, Saunders) • Currently testing SARB (SCCR 468). • Created the CERES Subsystem Delivery Schedule for September 2003. (Ayers)

Table 4: SCCR Activity September 8 at 12:30 p.m. - September 24 at 12:30 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
463				X		4.1-4.4		
465				X		4.5-4.6		
466				X		CERESlib		
468			X			5		
470				X		11		
472	X					4.5-4.6	6	

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

CERES Software Configuration Change Request Submittal

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Subsystem: Inversion SCCR Date & TIME: 2003-09-15 15:35:29 SCCR No.: 472

Description of Change (Science):

PGE CER4.5-6.1P2 (Terra Inversion Main Processor) and PGE CER4.5-6.1P3 (Aqua Inversion Main Processor) have been updated to use the Terra Beta5 ADMs

Reason for Change (Science):

Latest Terra ADMs are needed for Terra Edition2-QC and Aqua Beta SSF processing

Description of Change (non-Science):

n/a

Reason for Change (non-Science):

n/a

Affected PGEs: CER4.5-6.1P2 and CER4.5-6.1P3

Est. Time to Complete Changes: 3 days

Planned Delivery Date: September 19, 2003

Impact: n/a

Originator: NOLAN, SANDY K. (SAIC)

Table 5: September 24, 2003 - Subsystem Issues and Status (1 of 3)

SS No.	SS Lead	Status	Problems
1.0	Cooper	<ul style="list-style-type: none"> Continued tracking receipt of Aqua and Terra data. (Cooper, Snyder) Began processing of Terra-Aqua Intercomparison data for June 2003. (Szewczyk) Reprocessing CERES/GERB validation data to further investigate GERB spectral response problems. (Szewczyk) Processing and analyzing data collected over the Valencia Anchor Station. (Szewczyk) 	
2.0	Kizer	<ul style="list-style-type: none"> Updated all Three Channel Inter-comparison, Direct Comparison, SW binned plots for the instrument web page and the cancelled CERES STM. (Kizer) Completed ES8 nadir direct compare scatter plots for unfiltered radiances and fluxes. Plots were generated and presented to Kory for data study. (Kizer) Began converting hdf file compression utility for production software testing at the SCF and delivery to SCF cereslib. (Kizer) 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, Kizer) 	
3.0	Kizer	Combined with above.	
4.1	Sun-Mack	<ul style="list-style-type: none"> No updates received. 	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller	<ul style="list-style-type: none"> No updates received. 	
4.5	Nolan	<ul style="list-style-type: none"> Tested and delivered modified PGEs CER4.5-6.1P2 and CER4.5-6.1P3 to CERES CM on September 24, 2003. (Nolan and Hoppe) Studied the 'Erbe Release 3 Specifications' for general knowledge of inversion. (Hoppe) 	
4.6	Nolan	Combined with above.	

Table 5: September 24, 2003 - Subsystem Issues and Status (2 of 3)

SS No.	SS Lead	Status	Problems
5.0	Coleman	<ul style="list-style-type: none">Working with ASDC personnel on PGE CER5.4P1 delivery. (Caldwell, Coleman)Generating CRS data using both ECMWF-based MOAs and GEOS4-based MOAs. (Caldwell)	
7.2	Coleman	<ul style="list-style-type: none">Still hunting segmentation fault in Synoptic SARB Subsystem. (Coleman)	
12.0	Coleman	<ul style="list-style-type: none">Preparing to test with the latest GEOS4 data prior to delivery. (Caldwell)	
7.1	Nguyen	<ul style="list-style-type: none">No updates. (Nguyen)	
8.0	Nguyen	<ul style="list-style-type: none">Read the total-sky LW surface flux from SYNI and write to a binary file. Use the software created by Beth Flug to make a movie showing the variation of the LW surface flux for every hour for the CERES Science Team meeting. The results were not good. Need more validation. (Nguyen)	
10.0	Nguyen	<ul style="list-style-type: none">For the polar regions, incorrect monthly means of the zonal and global albedos were found by Dave Young. Searching for the cause of the errors. (Nguyen).Prepared to run four months of 2001 FM1 Terra for the CERES Science Team Meeting. (Nguyen)Computed the 2001 monthly means of the surface fluxes for the ARM, BSRN, CMDL, SURFRAD sites for Dave Young to compare with the computed monthly averages from TISA. (Nguyen)	
6.0	Raju	<ul style="list-style-type: none">No updates. (Stassi)	
9.0	Raju	<ul style="list-style-type: none">No updates. (Stassi)	

Table 5: September 24, 2003 - Subsystem Issues and Status (3 of 3)

SS No.	SS Lead	Status	Problems
11.0	Stassi	<ul style="list-style-type: none"> • Made two corrections to the histogram program: (1) Reversed indices in array being passed to the compresshistarr_() function. This was necessary because the C function is called from Fortran; (2) Reinitialize the angle measurements to defaults after each hour. (Stassi) • Reran the histogram program for June and January 2001. (Stassi) • Updating the GGEO subsystem for the latest Clouds subsystem delivery. The following Clouds subsystem changes impacted GGEO: (1) The working version of the retrieval source code was moved from the 4.1P3 directory to the 4.1P2 directory; (2) The "Production" variable was added to the CER_EPARAM*.epoch files; (3) The Logic ID LID_EDBM_0083_I was added to the PCF; (4) The scheme for reading MOA inputs was changed, causing GGEO processing to not work correctly. Sunny has made additional modifications for GGEO to the Clouds module, MOA.f90, and these changes are being tested. (Stassi, Sun-Mack) 	
CERESlib Stassi/Ayers		<ul style="list-style-type: none"> • No updates. (Stassi) 	