

June 15, 2005 - System Issues and Status

Table 1: Process Strategy/Geier as of 06/15/05
Active Requests in order of priority (1 of 3)

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	
PR 47-05	Terra-FM2	Edition2C	FSW (SS6)	6.1P1 6.2P1 6.3P1	2/01	Done 5/17/05.
55-05	Terra	Edition2C	SFC (SS9)	9.3P1 9.4P1	3/03 - 6/03, 3/02	Reprocess, original runs processed without all data staged.
44-05, 45-05	geostationary	ValR12	GGEO (SS11)	11.1P10 11.2P1	5 months 7/02, 1/02, 4/02, 10/02, 12/02	Processes new MCI-DAS format.
41-05, 42-05, 43-05	geostationary	ValR13	GGEO (SS11)	11.1P5-8 11.2P1 11.4P1	7/02	Done 5/18/05.
40-05	geostationary	ValR13	GGEO (SS11)	11.6P1	7/02	Done 5/18/05.
PR 50-05	Aqua	Edition1A	Clouds (SS4.1)	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	7/04	Done 5/22/05.
PR 49-05	Aqua	Edition1B	Inversion (SS4.5)	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	7/04	Done 5/23/05.
PR 48-05	Aqua	Edition1B	SFC (SS9)	9.2P1 9.3P1 9.4P1	6/04	Done 5/20/05.
3-05	Aqua	Edition1B	TISA gridding (SS9)	9.2P1 9.3P1 9.4P1	7/02 - 7/1/04 hr 11	Done 5/9/05.

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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 5/05 - present	DO NOT PROCESS 3.2P2 - it is disabled.
Standing requests PM-PRs 1-05 to 4-05	FM3	Edition1	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	4/05 forward	
Standing requests PM-PRs 5A-05 to 6-05	FM4	Anomalou-sOps	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 2.2P1 1.3P2	3/30/05 forward	
PR 26-05	Terra	Edition2C	SFC (SS9)	9.2P1 9.3P1 9.4P1	12/31/03 - 11/1/04	Done 5/17/05.
PR 54-05	Terra	Edition2B	CRS (SS5)	5.0P1 5.1P1 5.4P1	4/03 - 11/04	All MATCH now available.
PR 53-05	Terra	Edition2C	FSW (SS6)	6.1P1 6.2P1 6.3P1	4/03 - 10/04	
PR 52-05	Aqua	Beta1	CRS (SS5)	5.0P1 5.1P1 5.4P1	4/03 - 7/04	Process as MATCH available.
PR 51-05	Aqua	Beta1	FSW (SS6)	6.1P1 6.2P1 6.3P1	4/03 - 6/04	
M PR 2-04		GEOS4	MOA (SS12)	12.1P1	Standing request	

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
M PR 1-04		GEOS4	PMOA (SS9.1)	9.1P1	Standing request	

**Table 2: Process Strategy/Geier as of 06/15/05
Coming Soon (1 of 2)**

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
4/05	Terra	ValRx	SRBAVG (SS10)	3/00 - 2/03	Waiting on delivery.
	Terra	Edition2D	SRBAVG (SS10)	3/00 - 2/03	
	Aqua	ValRx	SRBAVG (SS10)	7/02 - 2/03	
	Aqua	Edition1B	SRBAVG (SS10)	7/02 - 2/03	
		ValR13	GGEO (SS11)	3/03 - 6/03	Requires coefficients.
	Terra	ValRx	SRBAVG (SS10)	3/03 - 6/03	Waiting on GGEO and TISAavg deliveries.
	Aqua	ValRx	SRBAVG (SS10)	3/03 - 6/03	
		Edition2A	GGEO (SS11)	3/03 - 6/03	ValR11 must be approved.
	Terra	Edition2D	SRBAVG (SS10)	3/03 - 6/03	
	Aqua	Edition1B	SRBAVG (SS10)	3/03 - 6/03	
unkn		ValR13	GGEO (SS11)	? months	7/03 - 6/04; requires coefficients.
		Edition2A	GGEO (SS11)	7/03 - 6/04	
	TRMM	Beta4	TSI (SS7.1)	9 months	
	Terra	Beta3	TSI (SS7.1)	12 months	
	TRMM	Beta4	Synoptic SARB (SS7.2)	9 months	
	Terra	Beta3	Synoptic SARB (SS7.2)	12 months	
	TRMM	Beta4	SYN/AVG/ ZAVG (SS8)	9 months	

**Table 2: Process Strategy/Geier as of 06/15/05
Coming Soon (2 of 2)**

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
	Terra	Beta3	SYN/AVG/ ZAVG (SS8)	12 months	
	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: June 15, 2005 - System Issues and Status

Activity	Lead	Status
CM	Ayers	<ul style="list-style-type: none">• 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)• Delivered the April 2005 Clouds S'COOL data files to the ASDC. (Ayers)• Delivered the updated SRBAVG DPC to the ASDC for use in the TISA Averaging sample read package. (Ayers)

Table 4: CERES Subsystem Delivery Schedule - April 2005
(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)
Inversion (SCCR 587)	May 13	May 27	July	Delivering PGE CER4.5-6.2P2 to add S'COOL validation products.		
Instrument	Mid June			To process FM4 as Baseline1-QC and AnomalousOps in such a manner as to retain the WN and Total radiances.		
TISA Averaging (SCCR 583)	June			Process Terra Edition2D SRBAVG.		X
Instrument	June			Aqua gains.		
ERBE-like	June			Aqua spectral response function files.		
TISA Gridding	June/July			Delta delivery of modified scripts that will count the number of SFC hourly files available before monthly processing will run.		
GGEO	Mid July			Delta delivery of ancillary input for PGE CER11.6P1.		
Clouds	July			To process MODIS V005. Delivery needs to be made just before delivery of July 2005 Terra gains and spectral response function files.		
Clouds	???			Support TRMM VIRS-only processing of August 2001 forward.		

Table 5: SCCR Activity May 31 at 12:30 p.m. - June 13 at 11:15 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
588				X		5		

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

Table 6: June 15, 2005 - Subsystem Issues and Status (1 of 5)

SS No.	SS Lead	Status	Problems
1.0	Cooper	<ul style="list-style-type: none"> Continued monitoring receipt of Aqua and Terra Level-0, Ephemeris and Attitude data. (Cooper & Snyder) Updated code for CER1.1Px was sent out to team members and Jim Donaldson for review. These updates have been tested for the current SW anomaly on FM4, the peer review is to insure that the updates will handle the other added cases. (Cooper) Continue running the FM4 data at the SCF to track changes in the radiance values. (Snyder) Continue to monitor FM4 anomaly. (Team) Terra/Aqua intercomparisons and CERES/GERB intercomparisons now being done. FM2 command loads have been updated to eliminate any scanning in the ram direction. Both FM3 and FM4 are being used for the Terra/Aqua intercomparisons. FM4 no longer provides SW, but will allow us to continue FM1/FM4 comparison of Total and WN channels. (Szewczyk) 	
2.0	Walikainen	<ul style="list-style-type: none"> Working with science team to determine spectral correction coefficients for Aqua Edition2 [Aug04-Mar05]. (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) Investigating difference in night time total radiance; cross track instrument has a higher radiance than the along track instrument. Showed that total channel space clamp shows no differences between the two modes. (Walikainen) 	
3.0	Walikainen	Combined with above.	

Table 6: June 15, 2005 - Subsystem Issues and Status (2 of 5)

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack	<ul style="list-style-type: none"> Completed processing CloudVis images for TRMM VIRS Edition2 data for the Sub-Saharan Africa region from January 2000 through December 2000. Completed processing CloudVis images for Terra MODIS Edition2-QC data for Valencia, Spain and Payerne, Switzerland regions from January 2004 through November 2004. Also, processed CloudVis images for Aqua MODIS Edition1A data for Valencia, Spain and Payerne, Switzerland regions. (R. Brown) Processed statistical differences between Aqua MODIS Edition1A and Terra MODIS Edition2-QC for all QC statistical results from July 2002 through July 2004. Script was created and added to the QC Web Viewer to display the results and results were posted on the web. Working on making modifications to the plotting code to add in new statistical plots for additional zonal results. (R. Brown) Working on building/implementing interfaces and algorithms in dual cloud layer system. (S. Sun-Mack) 	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller	<ul style="list-style-type: none"> Examined SSFM (MISR) files to determine the extent of corruption. It was limited to under a hundred records in most cases. Speculated that it was caused by disk problem since the errors were not exact each time. Confirmed that information on SSFB was okay. (Miller) Investigating missing data in TISA. Developed code to read and grid subset files. In UTC, the eastern hemisphere has gaps in the southern hemisphere and the western hemisphere has gaps in the northern hemisphere. Started work to check results when in local time. (Miller) 	

Table 6: June 15, 2005 - Subsystem Issues and Status (3 of 5)

SS No.	SS Lead	Status	Problems
4.5	Nolan	<ul style="list-style-type: none"> • Extracted FM2 Edition2B SSF Along track subsets from the DAAC archive and placed them on the Inversion disks for Costy. (Nolan & Sothcott) • Updated SSF Description Abstract and sent changes to Tomeka at ASDC. (Sothcott) • Continued work to update CVS Inversion directories. (Sothcott) • Initiated work to document code changes required to make Inversion code ANSI standard. (Nolan) 	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> • Traced problem with 9/03 processing to a corrupted SSFB file. The file was reloaded from the archives and the job completed successfully. (Caldwell) • Posted CRS QC plots to SARB Web site for completed months. (Caldwell) • Verified that the correct sample read package is included with Terra Ed2B CRS files obtained through the ordering tool. (Caldwell) • Modified SARB Web site according to requests made by SARB Working group. (Zentz) 	
7.2	Coleman	<ul style="list-style-type: none"> • Implemented modifications requested by Fred Rose for the surface albedo retrieval for cloudy coastal surfaces. (Zentz) 	
12.0	Coleman	<ul style="list-style-type: none"> • No new updates. 	
7.1	Nguyen	<ul style="list-style-type: none"> • No new updates. 	
8.0	Nguyen	<ul style="list-style-type: none"> • No new updates. 	
10.0	Nguyen	<ul style="list-style-type: none"> • Ran March 2000 TRMM and Terra and July, October, December 2002 Terra and Aqua to write out interpolated TOA and surface fluxes for Dave Doelling and Dave Rutan to validate. (Nguyen) • Provide August and July 2002 PMOA data and GGEO data for region 42861 for Pat Heck to validate LW flux. (Nguyen) 	

Table 6: June 15, 2005 - Subsystem Issues and Status (4 of 5)

SS No.	SS Lead	Status	Problems
6.0	Raju	<ul style="list-style-type: none"> Monitoring Terra FM1 2003/2004 production process, and documenting the missed hours in monthly process. (Raju) Work started to update Description/Abstract document to support Terra Edition2C, Aqua Beta1 FSW product. (Raju) Provided help and FSW binary read software to Yan Chen to read and map FSW data onto 2.5 grid structure and create SW_flux global images to Lin Chambers, Bing Lin for their Flux Assessment Project. (Raju) 	
9.0	Raju	<ul style="list-style-type: none"> Continuing to check validation months' SFC binary products, documenting the reasons for the regions that have no LW flux values for whole day. (Raju) Work Started to process July 2004 Aqua FM4 data through PGE CER9.2P1 at SCF. Production version of SFCs for this month are not available, and Dave Doelling has requested to have Terra & Aqua combined satellite SFC binary product for his GERB comparisons. (Raju) Work started to update Description/Abstract document to support Terra Edition2C, Aqua Edition1B SFC product. (Raju) 	
11.0	Stassi	<ul style="list-style-type: none"> Created a list of bad images from the March 2000 thru Feb 2003 data. Listed the satellite, month/year, day/hour, and colatitude zones where bad data are located. Gave Erika a list of data months for which the GGEO weeder program should run. We decided to hold off on submitting a processing request for these until Dave Doelling decides whether or not GGEO will be reprocessed. (Stassi) Dumped raw data from corresponding McIDAS and non-McIDAS inputs in an attempt to correlate the two. The data files were sent to Dave Doelling. (Stassi) 	

Table 6: June 15, 2005 - Subsystem Issues and Status (5 of 5)

SS No.	SS Lead	Status	Problems
11.0	Stassi (Cont'd)	<ul style="list-style-type: none">• Modified the GGEO cloudplot PGE to add two columns (vz_ceres and raz_ceres) to the REGAVG output files. Reran jobs for all data months between March 2000 and Feb 2003 to create new REGAVG files. (Stassi)• Hard-coded VIS channel calibration coefficients for METEO-8 in the calibrations module. Reran the July 2004 METEO-8 data and created METEO-8-only GGEO output, as per request from Dave Doelling. (Stassi)	
CERESlib Stassi/Ayers		<ul style="list-style-type: none">• No updates.	