January 28, 2004 - System Issues and Status

Table 1: Process Strategy/Geier as of 01/28/04
Active Requests in order of priority (1 of 6)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR18-04	Terra	ValR1	SRBAVG (SS10)	10.1P1	1/01 - 12/01)	waiting on delivery
PR 22-04	Terra	ValR1	CRS (SS5)	5.0P1 5.1P1 5.4P1	1 month + few days	waiting on delivery Crosstrack only
PR 20-04	Terra	ValR1	FSW (SS 6)	6.1P1 6.2P1 6.3P1	1 month	Waiting on delivery to promote and ValR1 CRS input to be available Crosstrack only
PR 12-04	Terra	ValR3	SSF (SS4.5-6)	4.5-6.1P2 4.5-6.2P2	1 day	Waiting on delivery to promote
PR 129-03, 130-03	Aqua	ValR3/ValR4	BDS (SS1)	1.1P5 1.2P1 1.3P3 1.2P1	6/03	Waiting on delivery to promote
PR 124-03 to 128-03	Aqua Aqua/ Terra	ValR4	ERBElike (SS2&3)	2.4P1 2.2P1 2.3P1 2.3P2 3.1P1 3.2P1 3.2P2	6/03	Waiting on delivery to promote
PR 113-03. 113-03A	Terra	Edition2A (Inversion only)	SSF (SS4.5)	4.5-6.3P2 4.5-6.2P2 4.5-6.4P1	1/01- 12/01	
PR 112-03	Terra	Edition2A	SFC (SS9)	9.2P1 9.3P1 9.4P1	1/01- 12/01	
PR 6-04		Edition2	GGEO (SS11)	11.1P5 11.1P6 11.1P7 11.1P8 11.2P2 11.4P1	1/01 - 12/01	

Table 1: Process Strategy/Geier as of 01/28/04
Active Requests in order of priority (2 of 6)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 7-04		ValR10	GGEO (SS11)	11.1P5 11.1P6 11.1P7 11.1P8 11.2P2 11.4P1	3/00	ValR10 GGEO must be approved before running Edition2 for 3/00
PR 113-03 113-03A	Terra	Edition2A (Inversion only)	SSF (SS4.5)	4.5-6.3P2 4.5-6.2P2 4.5-6.4P1	3/00- 12/00	
PR 112-03	Terra	Edition2A	SFC (SS9)	9.2P1 9.3P1 9.4P1	3/00- 12/00	
PR 8-04		Edition2	GGEO (SS11)	11.1P5 11.1P6 11.1P7 11.1P8 11.2P2 11.4P1	3/00 - 12/00	ValR10 GGEO must be approved before running Edition2 for 3/00
PR 21-04	Terra	Edition2A	CRS (SS5)	5.0P1 5.1P1 5.4P1	1/01 - 12/01	ValR1 must be approved before this runs Crosstrack only
PR 19-04	Terra	Edition2A	FSW (SS 6)	6.1P1 6.2P1 6.3P1	1/01 - 12/01	ValR1 must be approved before this runs Crosstrack only
PR 96-03, 97-03	Terra	Edition2-QC	SSF (SS4)	4.1-4.1P2 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	1/02 - 2/02	Clouds requires that delta delivery be promoted before rerunning 1/1/02
PR 10-04, 11-04	Terra	Edition2A	SSF (SS4.5-6)	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/02 - 2/02	ValR3 must be approved before this runs
PR 9-04	Terra	Edition2A	SFC (SS9)	9.2P1 9.3P1 9.4P1	1/02 - 2/02	

Table 1: Process Strategy/Geier as of 01/28/04
Active Requests in order of priority (3 of 6)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 8-04		Edition2	GGEO (SS11)	11.1P5 11.1P6 11.1P7 11.1P8 11.2P2 11.4P1	1/02 - 2/02	
PR 122-03, 123-03	Aqua	Edition2	BDS (SS1)	1.3P3 1.2P1	6/18/02 - 10/03	ValR3 must be approved before starting this
PR 117-03 to 121-03	Aqua Aqua/ Terra	Edition2	ERBElike (SS2&3)	2.4P1 2.2P1 2.3P1 2.3P2 3.1P1 3.2P1 3.2P2	6/18/02 - 10/03	ValR3 must be approved before starting this
PR 15-04, 16-04	Aqua	Beta2	SSF (SS4)	4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1 4.5-6.3P2 4.5-6.2P2 4.5-6.4P1	12/02	Once Edition2 IES available and Cloud code promoted, begin running
PR 14-04	Aqua	Beta2	SFC (SS9)	9.2P1 9.3P1 9.4P1	12/02	
PR 99-03		GEOS4	MOA (SS12)	12.1P1	2/25/00 - 12/31/03	
PR 109-03		GEOS4	PMOA (SS9.1)	9.1P1	3/1/00 - 12/31/03	
PR 97-03	Terra	Edition2-QC	SSF (SS4)	4.1-4.1P2 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	3/02 - 2/03	Clouds running
PR 10-04, 11-04	Terra	Edition2A	SSF (SS4.5-6)	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	3/02 - 2/03	
PR 9-04	Terra	Edition2A	SFC (SS9)	9.2P1 9.3P1 9.4P1	3/02 - 2/03	

Table 1: Process Strategy/Geier as of 01/28/04
Active Requests in order of priority (4 of 6)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 8-04		Edition2	GGEO (SS11)	11.1P5 11.1P6 11.1P7 11.1P8 11.2P2 11.4P1	3/02 - 2/03	
PR17-04	Terra	Edition2A	SRBAVG (SS10)	10.1P1	3/00- 2/03	ValR1 must be approved before this starts
PR 21-04	Terra	Edition2A	CRS (SS5)	5.0P1 5.1P1 5.4P1	3/00 - 12/00 1/02 - 2/03	ValR1 must be approved before this runs Crosstrack only
PR 19-04	Terra	Edition2A	FSW (SS 6)	6.1P1 6.2P1 6.3P1	3/00 - 12/00 1/02 - 2/03	ValR1 must be approved before this runs Crosstrack only
PR13-04	Aqua	Beta2	SRBAVG (SS10)	10.1P1	12/02	Run once GGEO and SFC inputs are available
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	for 1/00 - present	
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 7/03 - present	Need Gains and SCR before processing any further (ValRX approved)

Table 1: Process Strategy/Geier as of 01/28/04
Active Requests in order of priority (5 of 6)

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 1/04 - present	Do not start until all January'04 data received
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 11/03 - present	Need Gains and SCR before processing any further (ValRX approved)
standing request PM-PR 12-03	Aqua/ Terra	Edition2	ES4/ES9 (SS3)	3.2P1	for 11/03 - present	Need Gains and SCR before processing any further (ValRX approved)
M-PR 3-02		NSIDC-NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	standing request	
PR 116-03	TRMM	Beta3	TSI (SS7.1)	7.1.1P1	4/98, 7/98, 8/98	waiting on delivery to promote
PR 97-03	Terra	Edition2-QC	SSF (SS4)	4.1-4.1P2 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	3/03 - 6/03	Run at LOW priority after 2/03 finishes
PR 10-04, 11-04	Terra	Edition2A	SSF (SS4.5-6)	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	3/03 - 6/03	
PR 9-04	Terra	Edition2A	SFC (SS9)	9.2P1 9.3P1 9.4P1	3/03 - 6/03	

Table 1: Process Strategy/Geier as of 01/28/04
Active Requests in order of priority (6 of 6)

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 96-03, 97-03	Terra	Edition2-QC	SSF (SS4)	4.1-4.1P2 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1 4.5-6.1P2 4.5-62P2	3/00 - 12/01	Done 1/20/04

Table 2: Process Strategy/Geier as of 01/28/04
Coming Soon

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
4/04	Aqua	Beta1	CRS (SS5)	12/02	may or may not need redelivery to support Aqua
	Aqua	Beta1	FSW (SS6)	12/02	test at SCF to verify no redelivery needed
	TRMM	Beta2	Synoptic SARB (SS7.2)	4/98, 7/98, 8/98	Rerun 3 months of SYNI to use as input for SYN/AVG/ZAVG
	TRMM	Beta1	SYN/AVG/ ZAVG (SS8)	4/98, 7/98, 8/98	Need Synoptic SARB input
	Terra	Beta2	TSI (SS7.1)	??	
	Terra	Beta1	Synoptic SARB (SS7.2)		
	Terra	Beta1	SYN/AVG/ ZAVG (SS8)	??	Need Synoptic SARB input
	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: January 28, 2004 - System Issues and Status

Activity	Lead	Status
CM	Ayers	• See Table 4 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 4. (Ayers) • Tested the Clouds deliveries (SCCRs 490 & 501) and released them to the ASDC. (Ayers) • Delivered updated TISA Averaging (SCCR 462) files to the ASDC. (Ayers) • Currently testing Instrument (SCCR 497). (Ayers)

Table 4: SCCR Activity January 12 at 4:15 p.m. - January 27 at 12:15 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
490			X			4.1-4.4		
492				X		4.4		CERESlib modifications
494				X		CERESlib		
495			X			4.5-4.6		
497			X			1		
498			X			5		
499	X					6	10	
500	X					12	10	CERESlib modifications
501	X		X			4.1-4.4	11	
502	X					CERESlib	11	

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

CERES Software Configuration Change Request Submittal
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Subsystem: TISAgrid6.0 SCCR Date & TIME: 2004-01-22 14:09:18 SCCR No.: 499

Description of Change (Science):
The PGE CER6.3P1 FSW HDF software was modified to change the Julian Time SDS from 4-byte REAL to 8-byte REAL and to write the value to output.

Reason for Change (Science):
There are not enough significant digits in the 4-byte variable to store the precision needed for julian time.

Description of Change (non-Science):
n/a

Reason for Change (non-Science):
n/a

Affected PGEs : CER6.3P1

Est. Time to Complete Changes: changes are complete
Planned Delivery Date : Friday Jan 23, 2004
Impact : corrects the julian data parameter on the HDF file

Originator: STASSI, JOE C. (SAIC)

CERES Software Configuration Change Request Submittal
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*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: MOA SCCR Date & TIME: 2004-01-22 14:26:23 SCCR No.: 500

Description of Change (Science):
None

Reason for Change (Science):
None

Description of Change (non-Science):
Added a call to MOA_Profile_Check for the case of ozone profiles in all of the MOA read and access routines.

Reason for Change (non-Science):
This change will prevent the occurrence of default values in the ozone profiles at levels above the surface pressure.

Affected PGEs :
5.1P1, CER4.1P1-P3 (4.1 only affected for Aqua processing)

Est. Time to Complete Changes: 2 hours
Planned Delivery Date : Jan 23, 2004
Impact : Improved results from SARB algorithms.

Originator: CALDWELL, THOMAS E. (SAIC)

CERES Software Configuration Change Request Submittal
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Subsystem: Clouds SCCR Date & TIME: 2004-01-22 15:29:49 SCCR No.: 501

Description of Change (Science): None

Reason for Change (Science): None

Description of Change (non-Science):
CER4.1-4.1P2
The PCF generation script was modified to select the correct overlap MODIS granules on January 1 hours 01-23 and December 31 hours 00-22.

Reason for Change (non-Science):
CER4.1-4.1P2
The PCF file was including the previous hour MODIS granules from a year earlier on January 1 and the following hour MODIS granules from a year latter for December 31.

Affected PGEs : CER4.1-4.1P2

Est. Time to Complete Changes: 1 day
Planned Delivery Date : January 23, 2004
Impact : January 1 and December 31 cannot be processed.

Originator: MILLER, WALTER F. (SAIC)

CERES Software Configuration Change Request Submittal
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*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: CERESlib SCCR Date & TIME: 2004-01-23 14:30:13 SCCR No.: 502

Description of Change (Science):
see SCCR #500 (moa_io_read.f90)

Reason for Change (Science):
see SCCR #500

Description of Change (non-Science):
see SCCR #500

Reason for Change (non-Science):
see SCCR #500

Affected PGEs : see SCCR #500

Est. Time to Complete Changes: n/a
Planned Delivery Date : Friday January 30, 2004
Impact : see SCCR #500

Originator: STASSI, JOE C. (SAIC)

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Table 5: January 28, 2004 - Subsystem Issues and Status (1 of 5)

SS No.	SS Lead	Status	Problems
1.0	Cooper	• Continued tracking receipt of Aqua and Terra data. (Cooper, Snyder) • Phase III of PPS (FM2 scanning over oceans) to be run 01/29 - 02/19. (Szewczyk) • Planning and webpages update completed for the 2nd Valencia Anchor Station campaign in Feb. 2004. (Szewczyk) • Instrument Subsystem delivery to support Aqua Edition2 processing was completed. This delivery includes the updated gains for Aqua. (Cooper) • Began working on the updated Read Software package for Aqua Edition2, Terra and Aqua Edition1 BDS. (Cooper)	
2.0	Kizer	• Continuing to providing support in calculating new instrument gain coefficients and spectral correction coefficients for Aqua Edition2 production processing. (Walikainen, Kizer) • Continuing to providing support in studying and calculating new WN channel algorithm. (Walikainen, Kizer) • Began generating an limited ascii dump program to generate “pretty” output ascii file for HDF read packages. (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.	

Table 5: January 28, 2004 - Subsystem Issues and Status (2 of 5)

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack	• CloudVis images for Terra-MODIS_Edition2-QC data from March 2000 for regions including Georg Von Neumayer, Antarctica, Syowa, Antarctica, Marie Byrd Land, Paliseau, France, Salt Lake City, and Alaska(ARM NSA Site) were generated and posted on the Web. Completed processing images for Terra-MODIS_Edition1A for the Greenland region for November and December 2001. CloudVis images were processed for TRMM VIRS Edition2 for the Sub Saharan Africa region from August 1998 through December 1999. (R.Brown) • Modified and tested scripts and CloudVis Viewer for processing Terra-MODIS_Edition2-QC CloudVis images. (R.Brown) • Completed processing Terra-MODIS_Edition2-QC monthly averaging results from October 2001 through December 2001 and posted results on the Web. (R.Brown) • Worked on extracting reflectance ratio of 2.1 um to 0.6 um for various optical depths from Terra-MODIS_Edition2-QC from March 2000 through September 2001. The extracted information will be examined and possibly used in the future Clouds production. (Sun-Mack) • Staged all pixel level Terra-MODIS_Edition2-QC output, from March 2000 to December 2001, over ARM NSA site. Averaged the cloud properties at 30x30km and 100x100km respectively. The results were posted on the web for further validations with ground measurements. (Chen, Sun-Mack) • From Pat Minnis's request, re-processed Terra-MODIS SGP overpasses from March 2000 through December 2001. Re-averaged clouds height separated by cloud phase. The results were posted on the web for further validation with ground measurements. (Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

Table 5: January 28, 2004 - Subsystem Issues and Status (3 of 5)

SS No.	SS Lead	Status	Problems
4.4	Miller	• Terra Edition2-QC clouds production was monitored. October through December 2001 has been completed. Only three hours failed to process that had IES and MODIS available during the time. One hour had a bad MODIS granule. The other two hours had invalid geolocation on the MODIS pixels. (Miller) • Investigated processing problems for data date January 1, 2002. Discovered a script error that was assigning the wrong year to MODIS overlap granules. The script was corrected and a delta delivery made. (Miller) • Reviewed the Terra Edition2A SSF Data Quality Summary and provided comments. (Miller)	
4.5	Nolan	• Created Edition2-QC monthly validation data for Anne Wilbur. The completed months were June through December of 2001. (Hoppe) • Updated the IDL browse product for SSF HDF data which now produces plots of SDS data verses (Hoppe) • Created an inventory of the Inversion disk space usage and sent it to Dr. Norman Loeb (HU). 2000 and 2001 Terra Edition1A SSF subset data were moved to the temporary disk space on *bobill* and Terra Edition2A SSF subset data were copied from the ASDC archive to the Inversion disks as disk space became available. (Nolan)	
4.6	Nolan	Combined with above.	
5.0	Coleman	• Delivered Terra Edition2A CRS software and documentation to CM. (Caldwell, Coleman) • Prepared and submitted Pre-Delivery Memo. (Coleman)	
7.2	Coleman	• Testing with Terra TSIB files available on the SCF. (Zentz)	

Table 5: January 28, 2004 - Subsystem Issues and Status (4 of 5)

SS No.	SS Lead	Status	Problems
12.0	Coleman	• Delivered an updated moa_io module to CERESlib to prevent the occurrence of default values in the ozone profiles at levels above the surface pressure. Notified the Clouds and Inversion groups of the change. (Caldwell)	
7.1	Nguyen	• No new updates.	
8.0	Nguyen	• No new updates.	
10.0	Nguyen	• Added the new narrowband broadband conversion code from Dave Doelling to the ggeo interpolation code. (Nguyen) • Added the narrowband broadband conversion for the snow case. (Nguyen) • Ran July 2001 and March 2000 Terra FM1 for testing purposes. (Nguyen) • Continue validating and preparing for the delivery. (Nguyen)	
6.0	Raju	• Preparing for delivery of PGE CER6.3P1 (corrected julian time on HDF product). (Stassi, Nolan)	
9.0	Raju	• No updates. (Stassi)	

Table 5: January 28, 2004 - Subsystem Issues and Status (5 of 5)

SS No.	SS Lead	Status	Problems
11.0	Stassi	• Modified a version of the intercalibration PGE (CER11.3P1) on the SCF to remove the azimuth angle restrictions, to only print data for total cloud fraction < 80%, and to run with a second-pass GGEO file. The job was run with the March 2000 vs. VIRS data and with the July 2001 vs. MODIS data. The outputs were sent to Dave Young and Dave Doelling to assist their effort to get the NB-BB fits for clear-sky cases. (Stassi) • The March 2000 METEO-7 data were rerun with updates from Dave Doelling to the 0degree.2000 coefficient file. The results were sent to the Daves. Based on those results, they decided not to update the production version of this file. (Stassi) • The ProtoPixel.f90 file was modified in both GGEO and the Clouds subsystem so that the solar constant value of 526.9 is used for GGEO clouds processing. (Stassi, Sun-Mack)	
CERESlib Stassi/Ayers		• The moa_io_read.f90 module was updated on the SCFs, and CERESlib was delivered to CM. (Stassi)	