February 4, 2009 - System Issues and Status

Table 1: Process Strategy/Coleman as of 2/02/2009
Active Requests in order of priority

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	
PRs 14-09 through 20-09	FM1, FM2, FM3, FM4	ValR12	BDS, ES-8, ES-4, ES-9	1.3P3, 1.2P1, 2.4P1, 2.2P1, 2.3P1, 2,3P2, 3.1P1	9/07, 5/08, 2/08	Process immediately upon delivery and promotion of gains and SRF.
Standing requests AM- PR 1-05 to 7-05	Terra	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests AM- PR 1-00 to 7-00.
Standing requests PM-PRs 15-05 to 18-05	FM3	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 1-05 to 4-05.
Standing requests PM-PRs 11-05 to 14-05	FM4	Ed1-CV-NoSW	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 7-05 to 10-05.
PR 5-09	FM1 or FM2	Edition2C	SYNI	7.2.1P1	3/1/2000 – 10/31/05	Ready. Process 1st year, and then do 1st year of 3-09.

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Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 4-09	FM1 or FM2	Edition2C	SYN/AVG /ZAVG	8.1P1	3/1/2000 – 10/31/05	Process 1st year, then do 1st year of PR 1-09.
PR 3-09	FM3 or FM4	Edition2	TSI	7.1.1P1	7/1/2002 – 10/31/05	Ready. Process 1st year, then do 1st year of PR 2-09.
PR 2-09	FM3 or FM4	Edition2B	SYNI	7.2.1P1	7/1/2002 – 10/31/05	Ready. Process 1st year, then go back to PR 6-09.
PR 1-09	FM3 or FM4	Edition2B	SYN/AVG /ZAVG	8.1P1	7/1/2002 – 10/31/05	Process 1st year, then go back to PR 4-09.
PR 6-09	FM1 or FM2	Edition2C	TSI	7.1.1P1	3/1/2000 – 10/31/05	Ready. 1st year processed. Now need to do 1st year of PR 5-09.
PR 57-08	FM1, FM2	Edition2A-QC	SSFI Clouds	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/07 – 9/1/07	
PR 56-08	FM1, FM2	Edition2F	SSF Inversion	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/07 – 9/1/07	
PR 55-08	FM1, FM2	Edition2F	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	12/31/06 hr 12 – 9/1/07 hr 11	
PR 54-08	FM1 V005 MOD08	Edition2F	CRS Inst SARB	5.0P1 5.1P1 5.4P1	1/1/07 – 8/31/07	
PR 53-08	FM1	Edition2F	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	1/1/07 – 8/31/07	
PR 84-08	FM1 or FM2	Beta1	ISCCP-D2like-Day/Nit	9.0P1	03/2000 – 08/2007	

Table 1: Process Strategy/Coleman as of 2/02/2009
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 21-09 through 28-09	FM1, FM2, FM3, FM4	Edition2	BDS, ES-8, ES-4, ES-9	2.4P1, 1.3P3, 1.2P1, 2.2P1, 2.3P1, 2.3P2, 3.1P1, 3.2P1	9/2/07 – 1/1/09	Pending promotion. Need to process 8/2/07 – 1/1/08 at high priority, then lower priority on 2008 dates
PR 64-08	FM3, FM4	Edition1B-IGBP	SSFI Clouds	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	01/01/2004 – 12/31/2005	In Progress - IN THE BACKGROUND PRIORITY.
PR 63-08	FM3, FM4	Ed2C-MOD-C4-Land-IGBP	SSF Inversion	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	01/01/2004 – 12/31/2005	In Progress
PR13-09	CERES	DAO-G5-CERES	MOA	12.1P1	1/1/08 – 1/1/09	Pending input HOLD 4/08 and forward
PR 12-09	CERES	DAO-G5-CERES	PMOA	9.1P1	1/08 – 12/08	
PR 7-09	FM1	ValR12	CRS Inst SARB	5.0P1 5.1P1 5.4P1	5/1/07 – 5/31/07	Pending promotion
PR 11-09	FM3	ValR10	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	6/30/07 – 8/1/07	Pending promotion
PR 10-09	FM3	ValR10	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	6/30/07 – 8/1/07	Pending promotion
PR 09-09	FM1	ValR10	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	4/30/07 – 6/1/07	Pending promotion
PR 08-09	FM1	ValR10	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	4/30/07 – 6/1/07	Pending promotion

Table 2. February 4, 2009 - System Issues and Status

Activity	Lead	Status
CM/Documentation	Ayers (Saunders)	• See Table 3 for the current CERES Subsystem Delivery Schedule and Table 4 for the current CERES Coefficients Delivery Schedule. (Ayers) • See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers) • Inversion (SCCR 690) was installed and compiled on *magneto-P4* and is being tested. (Ayers) • Instantaneous SARB (SCCR 694) has been delivered to CM. It will be installed and tested once the Inversion delivery is finished. The CERESlib (SCCR 697) and Clouds (SCCR 693) deliveries are expected early this week. (Ayers) • The Inversion (SCCR 690) and Instantaneous SARB Test Plans (SCCR 694) were updated and provided to CM for use during testing. (Saunders) • The Inversion (SCCR 690) and Instantaneous SARB Operator's Manuals (SCCR 694) were updated, posted on the Web, and provided to the ASDC. (Saunders) • Assistance was provided for the upcoming Clouds delivery. CERESlib updates required for this delivery were coordinated between the affected subsystems (Clouds and ERBE-like), the owner of the affected CERESlib module, and the CERESlib team lead. (Ayers) • The conversion of the SSF Collection Guide from FrameMaker to Word was completed. The ES-8, ES-9, ES-4, and SSF Collection Guides were posted on the CERES Collections Guides Web page. Only the BDS Collection Guide is left to convert. (Saunders) • The CERES CM training session was held on January 22. (Ayers) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders)

Table 3. CERES Subsystem Delivery Schedule – February 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
Inversion (SCCR 690)	January 9	January 23	January 30	All Terra and Aqua Edition2 PGEs on *magneto*.			*magneto-P4*
Instantaneous SARB (SCCR 694)	January 16	January 30	February 6	Delivery of new directory structure and scripts for CER5.0P1; old executable will be copied to new directory structure.			*magneto-P4*
CERESlib	January 16	January 30	February 6	Update to surfmap_io routine.			*magneto-P4*
Clouds (SCCR 693)	January 16	January 30	February 6	Terra and Aqua Edition2 on *magneto*.	X	X	*magneto-P4*
Instrument	February 6	February 20	February 27	Initial delivery of RDR pre-processor code.		X	*magneto-P4*
ERBE-like	February 13	February 27	March 6	To process everything including all of Edition3 on *magneto*.			*magneto-P4*
Regrid MOA	February 13	February 27	March 6	To process the G5 CERES data that will be coming to support Edition3.			*magneto-P4*
Instrument	February 27	March 13	March 20	NPP-enabled PGE CER1.1P7, possibly CER1.2P1 (preES-8).		X	*warlock*
Instrument	March 20	April 3	April 10	NPP C++ Build 1 (CER1.1P8).		X	*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule – February 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
TISA Gridding	Winter			New PGE 9.0P2 (?) for new ISCCP-D2-like-Flux (?) product.		X	*magneto-P4*
GGEO (SCCR 653)	Late Spring			Initial coefficient delivery for 11/05 - 8/07. Code delivery to support Beta10 GGEO processing. New PGE (CER11.1P11) to read B1U data.		X	*magneto-P4*
TISA Averaging (SCCR 650)	Within four weeks of GGEO Beta10 delivery			Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing. New PGEs: CER10.0P1, CER10.0P2, & CER10.0P3.	X	X	*magneto-P4*
Clouds	April 17	May 1	May 8	Terra and Aqua Beta2-Edition3.			*magneto-P4*
Inversion	April 24	May 8	May 15	Terra and Aqua Beta2-Edition3.			*magneto-P4*
GGEO	Spring			New PGE 11.7P2 (?) for new ISCCP-D2-like-Merge (?) product.		X	*magneto-P4*
TISA Gridding	May 22	June 5	June 12	SFC Beta2-Edition3.			*magneto-P4*
TISA Averaging	June 26	July 10	July 17	SRBAVG Beta2-Edition3. Adding Model C surface fluxes and solar insulation.			*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule – February 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
Clouds	Late 2009			Terra and Aqua Edition3			*magneto-P4*
Inversion	Late 2009			Terra and Aqua Edition3			*magneto-P4*
Clouds	???			Support TRMM VIRS-only processing of August 2001 forward.			*magneto-P4*
Inversion	Two to four weeks after Clouds			Support TRMM VIRS-only processing.			*magneto-P4*
Instrument (SCCR 641)	???			Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	*magneto-P4*

Table 4. CERES Coefficients Delivery Schedule – February 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
Instrument/ ERBE-like	N/A	January 30		Edition2 gains and spectral response function files for September 2007 – December 2008.	*warlock/ magneto*
Instrument/ ERBE-like	N/A	May		Terra and Aqua Edition3 gains and spectral response function files for Launch – December 2006. Might include TRMM, also.	*warlock/ magneto*
GGEO	???			Final coefficients for 11/05 - 08/07.	*warlock/ magneto*
Instrument/ ERBE-like	N/A	???		TRMM Edition3 gains and spectral response function files.	*warlock/ magneto*

Table 5. SCCR Activity January 20 at 3:00 p.m. – February 3 at 2:30 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
693			X			4.1 – 4.4		
694			X			5.0		
695	X					5.0	10	
696	X					2.0 & 3.0	11	
697	X					CERESlib	12	
698	X					1.0	13	

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

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

Subsystem: SARB SCCR Date & TIME: 2009-01-26 15:04:17 SCCR No.: 695

*** All changes described in this SCCR were made in CERESlib. ***

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
(Req# 5-15.0)
The module surfmap_io is being updated.
A new routine is created called Get_NESDIS_16mesh().
This routine returns the 16th mesh (higher resolution) snow/ice information from NESDIS, while the existing routine Get_NESDIS() returns the 8th mesh (lower resolution) snow/ice information.
With 16th mesh NESDIS, no snow/ice retrieval near the coast is reduced by about 50%.

Reason for Change (Science):
(Req# 5-15.0)
NESDIS Snow/Ice maps are now being received on a16 mesh resolution.

Description of Change (non-Science):
(Req# 5-16.0)
A new routine called Get_NSIDC_Linux is created. Any user who currently calls Get_NSIDC is ok on sgi and macintosh machines. However he or she will need to call Get_NSIDC_linux if on magneto. In ceres-env.csh, there is an environment called BRAND. User will need to add the following logic in their code:

```
 If (BRAND==linux)
   call Get_NSIDC_linux()
 Else
   call Get_NSIDC()
 End
```

Reason for Change (non-Science):
(Req# 5-16.0)
HDFEOS's source code is machine dependent. This causes the current Get_NSIDC routine to fail on the newer linux machines.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem:
None

Estimated Time to Complete Change: 1 day
Planned Delivery Date: Jan 27, 2009
List Affected Subsystems and PGE Names: ERBE-like, Clouds

Originator: CALDWELL, THOMAS E. (SSAI)

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

Subsystem: ERBElike SCCR Date & TIME: 2009-01-27 10:16:32 SCCR No.: 696

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
Created a set of SW thermal coefficients for each instrument. Currently, each instrument uses coefficients derived for TRMM, before Terra and Aqua were launched. Now with years of Terra and Aqua data we were able to determine a set of coefficients for each instrument.

Reason for Change (Science):
The current set of coefficients in production differs from those derived for each instrument. The coefficients are derived from a quadratic curve fit for night time sw filtered radiances vs. wn filtered radiances. Three of the four coefficients A, B and C are from: SW = A + B(WN) + C(WN*WN). The fourth coefficient is an average SW which is used if a WN radiance is unavailable.

Description of Change (non-Science):
1. Convert code to run on MAGNETO.
2. Put code into new directory structure.
3. Update code to work with FM5 PRES8s.

Reason for Change (non-Science):
1. The SGIs are being replaced.
2. New directory structure was requested by ASDC.
3. Some code has hardcoded case statements with FM1, FM2, FM3 and FM4.
   We need to add the FM5 case.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem:
All

Estimated Time to Complete Change: one month
Planned Delivery Date: 2/27/09
List Affected Subsystems and PGE Names: None

Originator: WALIKAINEN, DALE R. (SSAI)

CERES Software Configuration Change Request Submittal
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Subsystem: CERESlib SCCR Date & TIME: 2009-01-27 11:39:12 SCCR No.: 697

*** All changes described in this SCCR were made in CERESlib. ***

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
SEE SCCR #695

Reason for Change (Science):
SEE SCCR #695

Description of Change (non-Science):
SEE SCCR #695

Reason for Change (non-Science):
SEE SCCR #695

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem:
None

Estimated Time to Complete Change: 1 Day
Planned Delivery Date: January 30th 2009
List Affected Subsystems and PGE Names: Clouds and Erbe-Like

Originator: ZENTZ, SCOTT M. (SSAI)

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

Subsystem: Instrument SCCR Date & TIME: 2009-02-03 14:43:44 SCCR No.: 698

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
Reqt. #1-26

Initial delivery of the CERES NPP RDR preprocessor CER1.0P2 New PGE

Reason for Change (Science):
N/A

Description of Change (non-Science):
Reqt. #1-26

Delivering new PGE CER1.0P2, CERES NPP RDR preprocessor code

Reason for Change (non-Science):
N/A

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
N/A

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem:
New CER1.0P2

Estimated Time to Complete Change: 2 wks
Planned Delivery Date: Feb. 27, 2009
List Affected Subsystems and PGE Names: CER1.1P7 -- not yet delivered

Originator: COOPER, DENISE L. (SSAI)

Table 6. February 4, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Coleman Zentz	• No report received.	
1.0	Cooper (Walikainen)	• Tracking of Terra/Aqua ingest continues. (Cooper, Snyder) • The issue with processing Terra data for 1/1/2009 was found to be resolved if using TK5.2.15v1 instead of TK5.2.12v1. A message was sent to the Toolkit people and the only reason they could think that this would fix the issue is that an update was made to TK5.2.15v1 to identify corrupt ephemeris/attitude data files. It is not known if this issue will resurface for any other data date. (Cooper) • A new set of updated gain values for Edition2 was requested to be run for Dec. 2008 by Kory; until this data can be analyzed Kory is not ready to OK the delivery of updated Edition2 gains. The data has been processed by Instrument and ERBE-like and we are waiting to find out if this set of values or the Test0 values will be OK'd for the delivery. (Cooper) • Testing of the Ada code on the x86 platform continues. PGEs CER1.2P1, CER1.3P1 and CER1.3P2 have been successfully tested for TRMM. PGE CER1.1P1 validation continues as results have not yet favorably compared with existing data processed on *warlock*. (Chu, Cooper)	
2.0	Walikainen (Cooper)	• Continuing to examine QC checker email generated during production. (Walikainen) • Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen) • Created Dec08 nadir files for Edition2 studies. The Science Team wants to examine Edition2 data with new gains for Dec08 only. These nadir files are labeled Test1, Test0 gains were held at Jul07 level. ERBElike validation for Test1 showed normal scatter and seasonal variability. (Walikainen)	

Table 6. February 4, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0	Walikainen (Cooper) (Cont'd)	• Created FM1 and FM3 Edition2 ES4s and ES9s. FlashFlux reported a shift in its TOA flux in Jan08 and beyond. The science team will use these Test0 Edition2 ES4s and ES9s to look for the shift. (Walikainen) • Created spectral correction coefficients for the on-going Edition3 studies. These coefficients use TRW's spectral responses above 2 microns. Results were presented at the 1/28 Edition3 meeting. (Walikainen) • Submitted SCCR 696 for ERBElike migration to *magneto*. (Walikainen)	
3.0	Walikainen (Cooper)	Combined with above.	
4.1	Sun-Mack (Brown)	• Continued loading data from Terra Edition3 into Google Map tool. (Heckert) • Continued development of Google Earth script to generate a KMZ file of vertical data using an additional day of data from 2006. (Heckert) • Working on Edition2 *magneto* Delivery. (R. Brown) • Processing SSF global images for Terra and Aqua and posting results on the web. (R. Brown) • Finished work on IDL code to make pictures containing a set of averaged parameter values for 9 ISCCP cloud types at 15 different Latitude Zones for chosen date/phase/time/scenetype. (Smith) • Initiated learning how to do a Clouds Delivery. Instruction from Ricky and Walt. (Smith) • Began Clouds QC code modifications to add several CO2 data items. (Smith) • Worked on Snow/Ice PGE (0P2) with Mesh16 NESDIS. (Rutan, Sun-Mack) • Worked on 0P2 code conversion. (Alford, K.Brown, Zentz, Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

Table 6. February 4, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.4	Miller (Sun-Mack)	• Updated Clouds Operator's Manual with new production time and file sizes. (Miller) • Ported SSFB and SSFA compare programs to Macintosh and IBM P4. Perl scripts were generated from tshell. (Miller) • Investigated calibration on Terra MODIS between 2006 and 2008. (Miller)	
4.5	Sothcott	• Attended weekly SOFA working group meetings. (Sothcott) • Completed updates to Inversion Operator's Manual and Test Plan and they were delivered. (Sothcott) • Completed testing and delivered the Terra and Aqua main processor, alternate processors, subsetting and monthly validation PGEs. (Sothcottt) • Completed two full months (January and July 2004) of runs using test code for the SOFA group. The runs were needed to recreate data lost in the SAN failure. The test data is being used to support two papers written by the SOFA group. (Sothcott)	
4.6	Sothcott	Combined with above.	
5.0	Caldwell (Coleman)	• Delivered PGE 5.0P1 on schedule. (Caldwell)	
7.2	Caldwell (Coleman)	• No new updates.	
12.0	Caldwell (Coleman)	• Preparing Edition3 MOA. (Caldwell)	
7.1	Nguyen (Raju, Filer)	• No new updates.	
8.0	Nguyen (Raju, Filer)	• Compared Beta5 data with the most recent data produced at SSIT to support the investigation of the cause of the difference in the DAAC Beta6 and Beta5 data versions. (Nguyen) • Completed updating SYN/AVG/ZAVG DPCs as per Dave Doelling's request and sent the DPC for Dave Doelling to review. (Filer)	

Table 6. February 4, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
10.0	Nguyen (Raju, Filer)	• Wrote program to use the input ADMs to get the cloud properties and then use the cloud properties to get ADMs for Clarreo testing. (Nguyen) • Updated the DPC to add the SRBAVG-Daily1 and SRBAVG-Daily2. (Nguyen) • Updated the Test Plan to prepare for the delivery. (Nguyen) • Moved PGEs CER10.0P1 and CER10.0P2 to *magneto* for testing. Testing and comparing data and plots. (Nguyen) • Updating the Operator's Manual for the upcoming delivery. (Nguyen) • Anne Wilber reported that the snow/ice data in SRBAVG1 are not correct in the polar regions. Sent plots to notify Dave Doelling. Updated code to use the 10-min SNOW/ICE map to compute monthly snow/ice averages instead of using the data from SFC. (Nguyen)	
6.0	Raju (Nguyen)	• No new updates. (Raju)	
9.0	Raju (Nguyen)	• Getting read to run TRMM data months through PGE CER9.0P1 for Moguo Sun. (Raju)	

Table 6. February 4, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
11.0	Raju (Nguyen)	• Plots generated by Michele Nordeen using MODIS vs. geo match files showed problems for MTSAT visible radiances. Received updated coefficients from Dave Doelling. Ran MTSAT data again for all the months and created new set of match files for review. Completed checking the web plots for the processed months and documented hours that showed bad scan lines. (Raju) • Processed 07/98 GGEO data through PGE CER11.7P1 for Moguo Sun. The output showed no valid data (all zeros) for the monthly/hourly means. Ran 04/00 GGEO data through the same process for comparisons. Found that the 07/98 GGEO product was created using old record type thus no log optical depth information on the product. Sent the information and the few regions' outputs to Moguo Sun. (Raju) • Modified B1U software and created a binary output with the format similar to MCIDAS flat file. Started setting up a new PGE CER11.1P11 to read and process B1U data. (Raju)	
Special Development Corner		• An issue with the version of the gcc compiler on *mag101*, *mag102*, & *mag103* was discovered and the correct version of the compiler was installed on the systems. (Alford)	

Table 1: PGE Current Events Status Table
(Updated at team meeting, and therefore subject to the availability of team members at meeting)

Subsystem ID	PGE ID	Current PGE Production Status[1]	Scripts NOMAD compliant ? (Y/N)	New Directory Structure? (Y/N/InProg)	Prod. Platform (W, P4, P6, X86)[2,3]	TK ver15 Tested? (Y/N/ InProg)	Op Man In Word? (Y, N, or Review)	Comments
Instrument - 1	CER1.0P1	Developing	Y	InProg	Planning P4, P6	***N***	***N***	
	CER1.0P2	Developing	Y	Y	Planning P4, P6	Y	Y	C++ RDR Pre-Processor
	CER1.1P1	Active	Y	Y	W, Planning X86	Y	Y	Will be disabled after C++ working
	CER1.1P2	Disabled	N/A	N/A	N/A	N/A	N/A	Remain disabled
	CER1.1P3	Active	Y	Y	W, Planning X86	Y	Y	Will be disabled after C++ working
	CER1.1P4	Disabled	N/A	N/A	N/A	N/A	N/A	Remain disabled
	CER1.1P5	Active	Y	Y	W, Planning X86	Y	Y	Will be disabled after C++ working
	CER1.1P6	Disabled	N/A	N/A	N/A	N/A	N/A	Remain disabled
	CER1.1P7	Developing	Y	Y	W, Planning X86	Y	Y	Ada NPP
	CER1.1P8	Developing	Y	Y	Planning P4, P6	Y	Y	C++ NPP, Terra, Aqua
	CER1.2P1	Active	Y	Y	W, Planning P4, P6, X86	Y	Y	C code
	CER1.3P1	Active	Y	Y	W[3]	Y	Y	
	CER1.3P2	Active	Y	Y	W[3]	Y	Y	
	CER1.3P3	Active	Y	Y	W[3]	Y	Y	
ERBE-like - 2	CER2.1P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	Need to locate erbelikeqc mail list
	CER2.2P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER2.3P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER2.3P2	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER2.4P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
ERBE-like - 3	CER3.1P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER3.2P1	Active	***N***	InProg	W, Planning P4,P6	InProg	Y	
	CER3.2P2	Disabled	N/A	N/A	N/A	N/A	N/A	
Clouds	CER4.1-4.0P1	Active	Y	N/A	W[3]	Y	Y	
4.1-4	CER4.1-4.0P2	Developing	Y	InProg	Planning P4,P6	Y	Y	
	CER4.1-4.1P1	Disabled	N/A	N/A	W	N/A	N/A	PCF script email / eos + operations and Sunny

	CER4.1-4.1P2	Active	N/A	N/A	W[3]	N/A	Y	
	CER4.1-4.1P3	Active	N/A	N/A	W[3]	N/A	Y	
	CER4.1-4.1P4	Active	Y	InProg	W, Planning P4,P6	Y	Y	PCF to eos operations
	CER4.1-4.1P5	Active	Y	InProg	W, Planning P4,P6	Y	Y	PCF to eos operations
	CER4.1-4.1P6	Developing	Y	InProg	W, Planning P4,P6	InProg	Y	
	CER4.1-4.2P1	Active	N/A	N/A	W[3]	N/A	Y	
	CER4.1-4.2P2	Active	Y	InProg	W, Planning P4,P6	Y	Y	
	CER4.1-4.2P3	Active	Y	InProg	W, Planning P4,P6	Y	Y	
	CER4.1-4.2P4	Developing	Y	InProg	W, Planning P4,P6	InProg	Y	
	CER4.1-4.2P5	Developing	Y	InProg	W, Planning P4,P6	InProg	Y	
	CER4.1-4.3P1	Active	Y	N/A	W[3]	N/A	Y	
	CER4.1-4.3P2	Active	Y	InProg	W, Planning P4,P6	***N***	Y	
	CER4.1-4.3P3	Developing	Y	InProg	W, Planning P4,P6	InProg	Y	
	CER4.1-4.4P1	Disabled	N/A	N/A	W	N/A	N/A	In Op Man, but not in FMP. Delete?
Inversion/SOFA	CER4.5-6.1P1	Disabled	N/A	N/A	N/A	N/A	N/A	Probably not to be reactivated
4.5-6	CER4.5-6.1P2	Active	Y	InProg	W, Planning P4,P6	Y	Review	
	CER4.5-6.1P3	Active	Y	InProg	W, Planning P4,P6	Y	Review	
	CER4.5-6.1P4	Developing	Y	Y	W	Y	***N***	Terra Main Ed3 version of 1P2
	CER4.5-6.1P5	Developing	Y	Y	W	Y	***N***	Aqua Main Ed3 version of 1P3
	CER4.5-6.2P1	Disabled	N/A	N/A	N/A	N/A	N/A	Probably not to be reactivated
	CER4.5-6.2P2	Active	Y	InProg	W, Planning P4,P6	Y	Review	
	CER4.5-6.2P3	Developing	Y	Y	W	Y	***N***	Subset postprocessor for Terra and Aqua (Ed3 version of 2P2)
	CER4.5-6.3P1	Disabled	N/A	N/A	N/A	N/A	N/A	Probably not to be reactivated
	CER4.5-6.3P2	Active	Y	InProg	W, Planning P4,P6	Y	Review	

	CER4.5-6.3P3	Active	Y	InProg	W, Planning P4,P6	Y	Review	
	CER4.5-6.4P1	Active	Y	InProg	W, Planning P4,P6	Y	Review	
	CER4.5-6.4P2	Developing	Y	Y	W	Y	***N***	Monthly validation site (Ed3 for 4P1)
	CER4.5-6.6P2	Active	Y	InProg	W, Planning P4,P6	Y	Review	
	CER4.5-6.6P3	Active	Y	InProg	W, Planning P4,P6	Y	Review	
SARB - 5	CER5.0P1	Active	Y	Y	W, P4, Planning P6	Y	Y	
	CER5.1P1	SSI&T	Y	Y	W, P4, Planning P6	Y	Y	
	CER5.1P2	Active	***N***	InProg	P4, Planning P6	Y	Y	
	CER5.2P1	Deleted	N/A	N/A	N/A	Y	N/A	
	CER5.3P1	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER5.4P1	SSI&T	Y	Y	W, P4, Planning P6	Y	Y	
	CER5.4P2	Active	***N***	InProg	P4, Planning P6	Y	Y	
TISA Grid - 6	CER6.1P1	Active	Y	Y	W, Planning P4,P6	Y	Y	
	CER6.2P1	Active	Y	Y	W, Planning P4,P6	Y	Y	
	CER6.3P1	Active	Y	Y	W, Planning P4,P6	Y	Y	
TISA Avg - 7.1	CER7.1.1P1	Active	Y	Y	W, P4, Planning P6	Y	Y	
SARB - 7.2	CER7.2.1P1	Active	***N***	***N***	W, P4, Planning P6	Y	Y	
TISA Avg - 8	CER8.1P1	Active	Y	Y	W, P4, Planning P6	Y	Y	
	CER8.2P1	Deleted	N/A	N/A	N/A	N/A	N/A	Merged with CER8.1P1
TISA Grid - 9	CER9.0P1	Active	Y	Y	W, P4, Planning P6	Y	Y	
	CER9.1P1	Active	Y	Y	W, Planning P4,P6	Y	Y	
	CER9.2P1	Active	Y	Y	W, Planning P4,P6	Y	Y	

	CER9.3P1	Active	Y	Y	W, Planning P4,P6	Y	Y	
	CER9.4P1	Active	Y	Y	W, Planning P4,P6	Y	Y	
TISA Avg - 10	CER10.0P1	Developing	Y	Y	Planning W, P4, P6	Y	Y	
	CER10.0P2	Developing	Y	Y	Planning W, P4, P6	Y	Y	
	CER10.1P1	Disabled	Y	N/A	W	N/A	N/A	Replace with CER10.0P2
	CER10.1P2	Disabled	Y	N/A	W	N/A	N/A	Replace with CER10.0P1
	CER10.2P1	Deleted	Y	N/A	W	N/A	N/A	
	CER10.3P1	Deleted	Y	N/A	W	N/A	N/A	
	CER10.1P3	Disabled	Y	N/A	W	N/A	N/A	
	CER10.1P4	Disabled	Y	N/A	W	N/A	N/A	Replace with CER10.0P2 for Terra
	CER10.1P5	Disabled	Y	N/A	W	N/A	N/A	Replace with CER10.0P1 for Terra
GGEO - 11	CER11.1P1	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P2	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P3	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P4	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P5	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P6	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P7	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P8	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.1P10	Active	Y	InProg	W, Planning P4,P6	Y	Y	
	CER11.2P1	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.2P2	Active	Y	InProg	W, Planning P4,P6	Y	Y	TK is OK
	CER11.3P1	Disabled	N/A	N/A	N/A	N/A	N/A	
	CER11.4P1	Active	Y	InProg	W, Planning P4,P6	InProg	Y	
	CER11.5P1	Deleted	N/A	N/A	N/A	N/A	N/A	
	CER11.6P1	Active	Y	InProg	W, Planning P4,P6	***N***	Y	If TK OK for 11.2P2, this one probably okay
	CER11.7P1	Active	Y	Y	P4, Planning P6	***N***	Y	If TK OK for 11.2P2, this one probably okay
Regrid MOA -12	CER12.1P1	Active	Y	Y	W, P4, Planning P6	Y	Y	

Table 1 Key:		
[1]Status	Active	Currently able to run in production
	Developing	New PGE in development, still to be delivered for the first time. Values in columns to right of the "Current PGE Production Status" column, such as the "Prod. Platform" column, are assumptions only and are highly subject to change.
	Disabled	PGE not currently in production but could be reinstated if requested
	Deleted	PGE no longer in production with little or no possibility of being reinstated
	SSI&T	PGE delivered and in SSI&T testing prior to operational processing
[2]Prod. Platform	W	warlock
	P4	Magneto - IBM P4
	P6	Magneto - IBM P6
	X86	Magneto - IBM X86
[3]Prod. Platform	W	If no other platform is indicated, then the associated PGE will be deleted once warlock is removed. Replacement PGEs on other platforms will have a new PGE identifying number and a separate entry in spreadsheet.

Table 2: CERES Product Current Events Status Table			
Product Name	Responsible Working Group	Archival, Internal, or Ext. Input	URL in Sample Read README updated? (Y/N)[3]
BDS	Instrument	Archival	***N***
ES-8	ERBE-like	Archival	***N***
ES-9	ERBE-like	Archival	***N***
ES-4	ERBE-like	Archival	***N***
SSF	Inversion	Archival	***N***
CRS	SARB	Archival	***N***

FSW	TISA-Gridding	Archival	***N***
SYN	TISA-Averaging	Archival	Y
AVG	TISA-Averaging	Archival	Y
ZAVG	TISA-Averaging	Archival	Y
SFC	TISA-Gridding	Archival	***N***
SRBAVG	TISA-Averaging	Archival	Y
ISCCP-D2like-Day/Nit	TISA-Gridding	Archival	Y
ISCCP-D2like-GEO	TISA-GGEO	Archival	Y
INSTR	Instrument	Internal	N/A
IES	Instrument	Internal	N/A
EID-6	ERBE-like	Internal	N/A
CRH	Clouds	Internal	N/A
GGEO	TISA	Internal	N/A
MOA	SARB	Internal	N/A
CID-VIRS	Clouds	Ext. Input	N/A
CID-MODIS	Clouds	Ext. Input	N/A
SURFMAP	Clouds	Ext. Input	N/A
GEO	TISA	Ext. Input	N/A
APD	SARB	Ext. Input	N/A
GAP	SARB	Ext. Input	N/A
MWH	SARB	Ext. Input	N/A
OPD	SARB	Ext. Input	N/A

Table 2 Key:	
[3]URL Update	Sample Read Package README files: References to URL http://asd-www.larc.nasa.gov/ceres/ASDceres.html need to be updated to http://science.larc.nasa.gov/ceres

Revisions:		
Date	Affected Section or PGE/Product ID	Revsion Made
1/6/2009	CER4.1-4.0P2	New PGE entry into chart
	CER4.1-4.0P1, CER4.1-4.1P2-6, CER4.1-	Changed Op Man in Word column value from "N" to "Y"
	CER4.1-4.1P5, CER4.1-4.2P3, CER4.1-4.3P2	Changed New Dir. Structure column value from "No" to "InProg"
	CER8.1P1	Changed New Dir. Structure column value from "InProg" to "Y", Changed Production status column value from "Developing" to "Active"
	CER4.1-4.3P2	Changed Prod Platform column value from "W" to "W, Planning P4, P6"
1/20/2009	CER1.0P1, CER1.1P8	Removed X86 from planned Prod Platform
	CER4.1-4.0P1, CER4.1-4.2P1	Removed P4, P6 from plannned Prod Platform
	CER4.1-4.0P2	Removed W from Prod Platform
	CER8.2P1	Removed "With upcoming delivery" from comment
	CER9.1P1, CER9.2P1, CER9.3P1, CER9.4P1	Changed New Dir. Structure column value from "InProg" to "Y"

2/3/2009	CER2.1P1	Added comment
	CER2.4P1	Changed TK 15 tested column values from "Y" to "InProg"
	CER8.2P1	Changed Prod Status Column value from "Inactive" to "Deleted"
	CER7.2.2P1, CER10.0P3	Removed from Table 1
	CER10.1P4, CER10.1P5	Changed Prod Status Column value from "Active" to "Disabled"
	CER1.0P2	Added to list
	CER1.1P8	Removed "W" from Prod Platform column value
	CER1.1P1,3,5	Added comments
	CER4.1-4.1P2,3, CER4.1-4.2P1, CER4.1-4.3P1	Changed Scripts NOMAD, New Directory, and TK 15 column values to "N/A", changed Prod Plat column value from "W" to "W[3]"
	CER4.1-4.0P1	Changed New Dir column value from a blank to "N/A"
	CER4.1-4.1P6, CER4.1-4.2P5,6, CER4.1-4.3P3	Changed Prod Status column value from "Delivered" to Developing, New Dir and TK column values to "InProg", and Prod Plat column value from "W" to "W, Planning P4,P6"
	CER501P1	Changed NOMAD column value from "N" to "Y"
	CER5.0P1, CER5.1P1, CER5.4P1	Changed New Dir column value from "InProg" to "Y"
	CER7.2.1P1	Changed OP Man in Word column value from "N" to "Y"
	ISCCP-D2like-GEO	Changed responsible group from TISA-Averaging to TISA-GGEO
	INSTR	Changed Sample Read Pkg URL Update from "N" to "N/A"
	SYN, AVG, ZAVG, ISCCP-D2like-Day/Nit, ISCCP-D2like-GEO	Changed Sample Read Pkg URL Update from "N" to "Y"

2/3/2009 (Continued)	Table 2	Removed column for DPC in Word. All DPC entries now in Word.