

April 14, 2010 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 04/12/10
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	
M-PR 1-09		NSIDC- NESDIS	EICE ESNOW 16 th mesh	4.1-4.0P2	Standing Request	
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.
PRs 11-10 thru 14-10	FM1, FM2, FM3, FM4	ValRx	SRBAVG	10.0P1, 10.0P2	1/04, 4/04, 7/04, 10/04	Run as soon as promoted
PR 44-09 SCCR 741	FM1, FM2, MODIS V005	Edition2B- QC	SSFI	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/08 1/1/09 1/1/08 1/1/10 1/1/08 – 3/1/10	In progress – processing 2009

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 43-09 SCCR 690	FM1, FM2	Edition2G	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/08 – 1/1/09 1/1/08 – 1/1/10 1/1/08 – 3/1/10	In progress – processing 2009
PRs 104-09 thru 111-09 Clouds 2008 on <i>warlock</i> SCCR 742	FM1, FM2	ValR14w4 (GEOS4), ValR14w5 (G5-CERES)	SSF	Clouds and Inversion	12/07	In progress ValR14w4 complete
PR 42-09 SCCR 685	FM1, FM2	Edition2G	SFC	9.2P1 9.3P1 9.4P1	1/1/08 – 1/1/09 1/1/08 – 1/1/10 1/1/08 – 3/1/10 hr 11	In progress
PR 76-09 SCCR 718	FM1	Edition2G	SAH	5.0P2	1/08 – 12/08	In progress
PR 41-09 SCCR 692	FM1 V005 MOD08	Edition2G	CRS	5.0P1 5.1P1 5.4P1	1/1/08 – 12/31/08 1/1/08 – 12/31/09	In progress
PR 40-09 SCCR 685	FM1	Edition2G	FSW	6.1P1 6.2P1 6.3P1	1/1/08 – 12/31/08 1/1/08 – 12/31/09	In progress
PRs 96-09 SCCR 726		ValR14	ERBE-like snow	2.1P1	9/09 – 11/09	Ready
PR 95-09 SCCR 727	FM3, FM4	ValR14	SRF	2.4P1	9/07 – 11/07	Ready
PR 90-09 SCCR 727	FM1, FM2	ValR14	SRF	2.4P1	9/07 – 11/07	Ready
PR 86-09 SCCR 735	FM1, FM2	ValR14	ES4, ES9	3.1P1	10/07	In Pre-Op testing— soon to promote
PR 86a-09 SCCR 735	FM1+ FM3	ValR14	ES4, ES9	3.2P1	10/07	In Pre-Op testing— soon to promote
PR 91-09 SCCR 735	FM3, FM4	ValR14	ES4, ES9	3.1P1	10/07	In Pre-Op testing— soon to promote
PR 78-09 SCCR 718	FM1, FM2	Edition2B	SAH	5.0P2	11/05 – 6/06	Ready
PR 73-09 SCCR 718	FM3	Edition2D	SAH	5.0P2	1/08 – 12/08	Pending input data
PR 2-10 SCCR 753	CERES	DAO-G5- CERES	MOA	12.1P1	1/08 – 12/09	In progress – pending further input from GMAO
PR 1-10 SCCR 753	CERES	DAO-G5- CERES	PMOA	9.1P1	1/08 – 12/09	In progress – pending input

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
**** The PRs that follow cannot be processed until the PGEs have completed the delivery and testing phases. ****						
PR 63-09 SCCR 653		Beta10	GGEO	11.10P1	1/1/06 7/1/06 1/1/07 7/07 10/07 12/08	In Pre-Op testing
PR 62-09 SCCR 653		Beta10	GGEO	11.2P2	1/1/06 7/1/06 1/1/07 7/07 10/07 12/08	In Pre-Op testing
PR 61-09 SCCR 653		Beta10	GGEO	11.4P1	1/1/06 7/1/06 1/1/07 7/07 10/07 12/08	In Pre-Op testing
PRs 127-09, 128-09	FM1, FM2	Edition3	BDS, IES	Instrument and ERBE	12/04 – 3/09	Pending ValRx approval
PRs 9-10 thru 10-10 (in development)	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	3/2000 – 10/05	In Pre-Op Testing
PRs 7-10 thru 8- 10 (in development)	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	7/2002 – 10/05	In Pre-Op Testing
PRs 138-09, 139-09 SCCR 746	FM1, FM2, FM3, FM4	ValR1	ISCCP- D2like- Day/Nit	9.0P1	7/02 – 4/03 Seasonal Months only	In Pre-Op testing
PR 141-09 SCCR 736		ValR1	ISCCP- D2like- GEO	11.7P1	7/02 – 4/03 Seasonal Months only	In Pre-Op testing
PR 60-09 SCCR 653		Edition2A	GGEO	11.1P10	11/05 – 6/09	Pending Beta10 processing and approval

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 59-09 SCCR 653		Edition2A	GGEO	11.2P2	11/05 – 6/09	Pending Beta10 processing and approval
PR 58-09 SCCR 653		Edition2A	GGEO	11.6P1 11.4P1	11/05 – 6/09	Pending Beta10 processing and approval
PRs 5-10 thru 6-10 (in development)	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	11/05 – 12/09	In Pre-Op Testing, Pending ValRx approval
PRs 3-10 thru 4-10 (in development)	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	11/05 – 12/09	In Pre-Op Testing, pending ValRx approval
PRs 16-10 SCCR 749	CERES	ValR4x86-Ed3	MOA	12.1P2	7/04	In Pre-Op testing
PR 15-10 SCCR 749	CERES	ValR4p6-Ed3	MOA	12.1P2	7/04	In Pre-Op testing
PR 37-10 SCCR 749	CERES	ValR4x86-Ed2	MOA	12.1P1	7/04	In Pre-Op testing
PR 36-10 SCCR 749	CERES	ValR4p6-Ed2	MOA	12.1P1	7/04	In Pre-Op testing
PR 94-09 SCCR 734	FM3, FM4	ValR14	ES8	2.2P1	9/07 – 11/07	Delivered
PR 93-09 SCCR 734	FM3, FM4	ValR14	ES8	2.3P1	9/07 – 11/07	Delivered
PR 92-09 SCCR 734	FM3, FM4	ValR14	ES8	2.3P2	9/07 – 11/07	Delivered
PR 89-09 SCCR 734	FM1, FM2	ValR14	ES8	2.2P1	9/07 – 11/07	Delivered
PR 88-09 SCCR 734	FM1, FM2	ValR14	ES8	2.3P1	9/07 – 11/07	Delivered
PR 87-09 SCCR 734	FM1, FM2	ValR14	ES8	2.3P2	9/07 – 11/07	Delivered
0PR 49-09	FM3, FM4, MODIS V005	Edition2C	SSFI	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/08 – 1/1/09 1/1/08 – 1/1/10 1/1/08 – 3/1/10	ON HOLD – needs delivery
PR 48-09 SCCR 690	FM3, FM4	Edition2D/ Ed2D-NoSW	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	1/1/08 – 1/1/09 1/1/08 – 1/1/10 1/1/08 – 3/1/10	Pending SSF input
PR 47-09 SCCR 685	FM3, FM4	Edition2D/ Ed2D-NoSW	SFC	9.2P1 9.3P1 9.4P1	1/1/08 – 1/1/09 1/1/08 – 1/1/10 hr 11	Pending SSF input

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 46-09	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P1	1/4/1/08 – 12/31/08 1/1/08 – 12/31/09	Pending SSF input - process 1 st month and wait for SS checkout
PR 45-09 SCCR 685	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	1/4/1/08 – 12/31/08 1/1/08 – 12/31/09	Pending input
PRs in development	FM1, FM2, FM3, FM4	Edition2x	TSL, SYNI, SYN/AVG /ZAVG	7.1P1 7.2P1 8.1P1	11/05 – 12/08	Pending GGEO/SRBAVG processing
PRs 136-09, 137-09 SCCR 746	FM1, FM2, FM3, FM4	Edition2	ISCCP- D2like- Day/Nit	9.0P1	Launch thru 9/09	In Pre-Op testing
PR 140-09 SCCR 736		Edition2	ISCCP- D2like- GEO	11.7P1	3/2000 – 12/08	In Pre-Op testing

Table 2. April 14, 2010 - System Issues and Status

Activity	Lead	Status
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> • 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) • The Instantaneous SARB delta delivery associated with SCCR 777 was installed on <i>magneto-P4</i> and released to the ASDC on April 7. (Ayers) • TISA Gridding (SCCR 739) was installed, compiled, and tested on <i>AMI-P6</i>, and released to the ASDC on April 8. The TISA Gridding Test Plan and Operator's Manual were updated, posted on the Web, and provided to the ASDC. (Ayers, Saunders) • The Instrument (SCCR 756) and ERBE-like (SCCR 734) Operator's Manuals were updated, posted on the Web, and provided to the ASDC. (Saunders) • The new <i>AMI</i> production scripts for Instrument (SCCR 716) are ready to be delivered to CM for testing. The Test Plan and Operator's Manual will be updated to add information pertaining to the scripts. The scripts for Instrument 717 and 747 are being tested by the subsystem. Development has begun on the scripts for Regrid MOA 749. (Zentz, Magill, Ayers, Cooper, Grepiotis) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders)

Table 3. CERES Subsystem Delivery Schedule – April 2010
(Next Science Team Meeting: April 27 – 29, 2010, in Newport News, VA)

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)
Instrument (SCCR 731)	October 23	November 6 On Hold	February 12	Build that runs full Terra/Aqua Baseline1-QC and Edition1-CV . PGE 1.1P8 (C++).			<i>AMI-P6</i>
Instrument (SCCR 756)	January 29	March 26 In CM Queue	April 9	New C++ CER1.4P1 (formerly CER1.3P1) for NPP .		X	<i>AMI-P6</i>
ERBE-like (SCCR 734)	February 26	April 9 In CM Queue	April 16	Delivering the remaining Subsystem 2 PGEs with updates for crosstrack. (Edition2/Edition3)	X		<i>magneto-P4</i>
Inversion (SCCR 722)	April 2	April 16	April 23	Incorporate Edition3 IESs into SSFs without having to rerun Clouds. (Edition2)		X	<i>magneto-P4</i>
Clouds (SCCR 779)	April 9	April 23	April 30	Corrections to Aqua Edition2 .			<i>magneto-P4</i>
Instrument (SCCR 755)	April 9	April 23	April 30	Updates to PGE 1.1P8 for Terra/Aqua (Edition1-CV) and NPP . (C++)			<i>AMI-P6</i>
Instrument (SCCR 770)	April 30	May 14	May 21	New C++ Gain Analyzer CER1.4P2 (Formerly CER1.3P2) for NPP .		X	<i>AMI-P6</i>
TISA Gridding (SCCR 763)	May 7	May 21	May 28	Beta1–Edition2 delivery of 2 new PGEs (CER9.0P2 & CER9.0P3) for new ISCCP-D2like-Mrg product. [All ISCCP-D2like HDF products will have the same format.]		X	<i>AMI-P6</i>

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GGEO	May 14	May 28	June 4	Updates for PGEs 11.1P10 and 11.2P2 for Edition2 .			<i>magneto-P4</i>
ERBE-like (SCCR 740)	May 14	May 28	June 4	Delivery of all ERBE-like PGEs to AMI. (Edition2/Edition3)			<i>AMI-P6</i>
TISA Averaging (SCCR 766)	May 28	June 11	June 18	SRBAVG-nonGEO Beta2-Edition3 . New PGE for the subsetter code.		X	<i>AMI-P6</i>
Clouds	June 11	June 25	July 2	Terra and Aqua Edition3 .			<i>AMI-P6</i>
CERESlib	July 9	July 23	July 30	Inversion updates.			<i>AMI-P6, AMI-x86, & magneto-P6</i>
Inversion	July 9	July 23	July 30	Terra and Aqua Edition3 .	X		<i>AMI-P6</i>
Instrument	August 6	August 20 (Launch – 13 months)	August 27	Build corrects all NPP errors found so far. Last Build before launch freeze date. Might not be needed. Includes pre-processor.			<i>AMI-P6</i>
TISA Gridding (SCCR 765)	August 13	August 27	September 3	Beta1-Edition2 ISCCP-D2like-FlxDay/Nit (PGE CER9.0P0).		X	<i>AMI-P6</i>
GGEO		Fall		Beta1-Edition3 GGEO delivery.			<i>AMI-P6</i>
Instantaneous SARB	October 29	November 12	November 19	Beta1-Edition3 CRS.			<i>AMI-P6 & AMI-x86</i>

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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 Averaging	January 14 2011	January 28 2011	February 4 2011	SRBAVG-GEO Beta2-Edition3 . Adding Model C surface fluxes and solar insulation.			<i>AMI-P6</i>
Synoptic SARB		Early 2011		Beta1-Edition3 SYNI.			<i>AMI-P6 & AMI-x86</i>
Clouds		???		Support TRMM VIRS-only processing of August 2001 forward.			<i>magneto-P4</i>
Inversion		Two to four weeks after Clouds		Support TRMM VIRS-only processing.			<i>magneto-P4</i>
Instantaneous SARB		???		New PGE to produce MATCH input files. (Edition2)		X	<i>AMI-P6 & AMI-x86</i>
Instrument (SCCR 641)		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	<i>magneto-P4</i>

Table 4. CERES Coefficients Delivery Schedule – April 2010

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
ERBE-like	N/A	April 16		Terra Edition3 spectral response function files for Launch – January 2009.	<i>warlock/ magneto/ AMI</i>
Instrument/ ERBE-like	N/A	April 16		Terra & Aqua Edition2 gains and spectral response function files for October 2009 – February 2010.	<i>warlock/ magneto/ AMI</i>
Instrument	N/A	July		Aqua Edition3 gain files for Launch – March 2005.	<i>warlock/ AMI</i>
ERBE-like	N/A	July (Two weeks after associated gains files)		Aqua Edition3 spectral response function files for Launch – March 2005.	<i>warlock/ magneto/ AMI</i>
Instrument/ ERBE-like	N/A	???		TRMM Edition3 gains and spectral response function files.	<i>warlock/ magneto/ AMI</i>

Table 5. SCCR Activity March 31 at 1:00 p.m. – April 12 at 2:30 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
770			X			1		
775			X	X		Perl_Lib		
776	X		X	X		Perl_Lib	11	
777	X		X	X		5	13	
778	X		X	X		Perl_Lib	14	
779	X	X				4.1-4.3	15	

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

CERES Software Configuration Change Request Submittal

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Subsystem: Perl_Lib SCCR Date & TIME: 2010-04-05 17:40:18 SCCR No.: 776

Parameter Change: () YES (X) NO

Description of Change (Science):
n/a

Reason for Change (Science):
n/a

Description of Change (non-Science):
Added, Split_Hyphen_Date_Month, Split_Hyphen_Date_Hour, Insert_Hyphens_Date_Day, Insert_Hyphens_Date_Hour, Insert_Hyphens_Date_Month, Get_Date_Range_Hour, Get_Date_Range_Month, Get_Date_Range_Day, Increment_Hour, Increment_Month, Check_Date_Hour, Check_Date_Day, Check_Date_Month, Remove_Hyphens_Hour, Remove_Hyphens_Month

Reason for Change (non-Science):
Need to account for hourly and monthly PGEs as well.

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: 2 days

Planned Delivery Date: 03/06/10

List Affected Subsystems and PGE Names: all

Originator: ZENTZ, SCOTT M. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: InstSARB

SCCR Date & TIME: 2010-04-07 10:57:02

SCCR No.: 777

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

(Req#5-21.0)

Delivery of ancillary MATCH data files for 2009.

Reason for Change (non-Science):

(Req#5-21.0)

To enable processing of CRS data for 2009.

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:

5.0P1, 5.0P2, 5.1P1, 5.1P2, 7.2.1P1

Estimated Time to Complete Change: 2 days

Planned Delivery Date: April 9, 2010

List Affected Subsystems and PGE Names: Instantaneous SARB, Synoptic SARB

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Perl_Lib

SCCR Date & TIME: 2010-04-07 12:58:39

SCCR No.: 778

Parameter Change: () YES (X) NO

Description of Change (Science):

n/a

Reason for Change (Science):

n/a

Description of Change (non-Science):

Fixed a bug in Check_Date_Month and Check_Date_Hour in which they failed to return "fine" when no errors were present.

Reason for Change (non-Science):

Bugs are bad.

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: 1 day

Planned Delivery Date: 04/07/10

List Affected Subsystems and PGE Names: all

Originator: ZENTZ, SCOTT M. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: Clouds4.1-3 SCCR Date & TIME: 2010-04-12 12:07:50 SCCR No.: 779

Parameter Change: () YES (X) NO

Description of Change (Science):

Extended the range for surface pressure search (Req. Log number: 4-6.6)

Reason for Change (Science):

G5-Ed2 MOA has unexpected high surface pressure values once while, which cause Cloud Ed2 code on magneto failed for certain processing dates/hours. Note neither GEOS4 nor G5-Ed3 has such problem or issue.

Description of Change (non-Science):

None

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:

CER4.1-4.1P5

Estimated Time to Complete Change: 2-3 days

Planned Delivery Date: April 23, 2010

List Affected Subsystems and PGE Names: none

Originator: SUN-MACK, SUNNY (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 779:

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Parameter Change: () YES (X) NO

Description of Change (Science):

Extended the range for surface pressure search (Req.Log number: 4-6.6)

Reason for Change (Science):

G5-Ed2 MOA has unexpected high surface pressure values once while, which cause Cloud Ed2 code

on magneto failed for certain processing dates/hours. Note neither GEOS4 nor G5-Ed3 has such problem or issue.

Description of Change (non-Science):
None

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:
CER4.1-4.1P4

Estimated Time to Complete Change: 2-3 days
Planned Delivery Date: April 23, 2010
List Affected Subsystems and PGE Names: none

Date & Time: 2010-04-12 15:57:13

Originator: SUN-MACK, SUNNY (SSAI)

Table 6. April 14, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Zentz	<ul style="list-style-type: none"> • No new updates. (Zentz) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> • Working with the new SGE scripting team to test the new scripts being developed for each of the Instrument PGEs delivered to <i>AMI</i>. (Cooper) • Work to fix the ephemeris file format error continues. The data received from the GSIT is being used for further testing. (Spivak) • All the data received from the GSIT test has been processed through the RDR preprocessor and the Main Instrument subsystem processor for NPP. It appears that the data delivered for 1/25/2009 is the correct format; however, the data is simulated and all zeroes, which is not terribly helpful. Data for 1/26/2009 appears to either be actual spacecraft data or subset of the proxy data that was sent from CERES for previous tests. Without all the proper information from the GSIT test it is difficult to tell where this data came from. (Cooper) • Work continues on updates to PGE CER1.1P8. (Grepitotis & Timcoe) • Working to validate the ValR16 data. (Cooper) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Continuing to examine QC checker email generated during production. (Walikainen) • Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen) • Delivered SCCR-734. The final delivery to transfer production code to the <i>P4s</i>. (Walikainen) • Successfully regenerated the test plan version of the CER3.2P1 PCF file using my perl version of the PCF generating script on <i>AMI</i> (gen_pcf.CER3.2.pl). Next step is to generate the PCF log file. (Lande) • Able to access IDL on <i>AMI</i>. (Mentioned having trouble at 3/19/10 DMTM.) (Lande) 	

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SS No.	SS Lead	Status	Problems
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Worked on processing QC global images and statistics for Terra Edition2B-QC from 200902 through 200905. Results were posted on the Web. (R. Brown) • Working on SSF post processing. Began processing SSF data for Terra Edition2G for 200801. Web scripts were created for displaying results. (R. Brown) • Worked on transitioning from SGI/MAC to AMI. (R. Brown) • Worked on finding the cause for the failure of Aqua Edition2 on <i>magneto</i>. (Sun-Mack). • Discussed the strategy and worked on analyzing the subsetted VIIRS data obtained during the GSIT. (Smith, Chen, & Sun-Mack). 	
4.2	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.3	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.4	Miller (Antropov)	<ul style="list-style-type: none"> • Tested three 5 degree band read of MODIS albedo data that reduced time by a factor of ten. (Antropov) (Edition3) • Modified MODIS albedo code to PSF weight three sets of input variables for each band before calculating the albedo. (Antropov) (Edition3) • Monitored Terra Edition2B-QC production. Four and one hours were missing IES files for April and June 2009, respectively. Two hours in June did not complete because of cloud retrieval problems. All May 2009 hours were processed. (Miller) 	
4.5	Sothcott	<ul style="list-style-type: none"> • Attended weekly SOFA working group meeting. (Sothcott) • Continued work on the SSF-IES delivery. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • Working on Edition3 code. (Caldwell) 	

Table 6. April 14, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> No new updates. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Waiting for arrival of latest G5 sample data. (Caldwell) 	
7.1	Nguyen (Raju, Lock)	<ul style="list-style-type: none"> No new updates. (Nguyen) 	
8.0	Nguyen (Raju, Lock)	<ul style="list-style-type: none"> Cleaning up other subsystem code that is no longer needed. (Lock) Verified that the code on the ODU machine still works now that is was moved to a new directory structure. (Lock) Beginning some IDL work. (Lock) 	
10.0	Nguyen (Raju, Lock)	<ul style="list-style-type: none"> Added the interpolation to fill in the defaults of the regional averages of all-sky SW TOA fluxes to the SRBAVGLite code. (Nguyen) Corrected the daytime only and the all day clouds for the SRBAVGLite code. (Nguyen) Reran 8 years of SRBAVGLite nonGEO and SRBAVGLite GEO after correcting the error in the code. Created new netCDF files. (Nguyen) Reran 8 years of SRBAVGLite for Ordering Data Group. (Nguyen) Created the trend plots for the cloud properties of the nonGEO, GEO and the differences for Dave Doelling. (Nguyen) Supported testing SCCR 650. (Nguyen) Pam Mlynczak found the zonal average albedos greater than 1.0 in SRBAVGLite. Searching for the cause of the error. (Nguyen) 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> Edition2G FSW Read software package was delivered to CM. (Parrish & Raju) 	

Table 6. April 14, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Edition2G SFC Read software package was delivered to CM. (Raju) • Work continued on the CER9.0P2 ISCCP-Mrg software validations. Preparing for the upcoming delivery on <i>AMI</i>. (Raju) • Generated Aqua data for April 2004 using recently delivered Edition 3 code/scripts. (Parrish) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Work continued to resolve data gaps found in 12/08 Web plots for GOES-12, GOES-13 satellites. (Raju) • GGEO 1-hourly PGE was compiled on <i>AMI</i> to process each hour. As per Dave Doelling's requests, preparing to process 12/2002 MCIDAS data through 1-hourly PGE. (Raju) • Work continued to convert shell scripts to perl for CER11.1. (Ron Parrish) 	
CERES -lib	Zentz	<ul style="list-style-type: none"> • No new updates. (Zentz) 	

Table 7. April 14, 2010 – DM Tasks

Activity	Status
Code Optimization (Coleman)	<ul style="list-style-type: none"> • Next step is for ODU to look at the code and get back with us. (Coleman)
Production Processing Database/ Automation (Coleman)	<ul style="list-style-type: none"> • Continuing to migrate PRs to Excel. Planning to start letting others on PR team help with migration process in the next week or two. (Coleman) • Pre-job submittal file checking wrapper scripts for selected Instrument PGEs have completed subsystem testing and are now in CM testing. (Zentz)
Ordering Tool (Kizer)	<ul style="list-style-type: none"> • The images for the Google Map and Terra/Aqua image viewer tool are now back online. (Heckert) • Continued developing additional information pages for the HDF file not yet available in the new ordering tool. (Kizer) • Tested and corrected issues found when displaying Web pages in MS Internet Explorer browsers. (Heckert) • Drop down menus and database selections were developed. An HTML to PDF converter was successfully tested for providing documentation. (Heckert) • Working with the SD graphics team to provide a CERES movie for the new CERES Home page. (Kizer) • Expanding the database to include additional attribute information Web page display and data product pages. (Heckert & Chu) • NetCDF Climate and Forecast (CF) Metadata Convention and Intergovernmental Panel on Climate Change (IPCC) parameter names were assigned to CERES parameters provided in the NetCDF files. (Kizer & Mitrescu)

Table 8. April 14, 2010 – NPP Issues

Activity	Status
Telecons/ Meetings (Closs)	<ul style="list-style-type: none">• Attended biweekly NPP Science Data Segment and weekly GSIT telecons. The main topic has been debriefs and lessons learned from the NPP Ground System Interface Test.
System Engineering (Closs)	<ul style="list-style-type: none">• Adjusted the software delivery dates and builds to support NPP GSIT and mission readiness in the ERB CARS requirements verification matrix. This matrix will map to the original ERB CARS requirements traceability matrix, and to the ERB CARS software build schedule and dates to support GSIT and launch readiness.• Verified 7 additional ERB CARS requirements during the execution of the GSIT Run-For-Record. Updated and redelivered the SDS Requirements Verification Status matrix.• Coordinated with ASDC staff to draft an ERB CARS GSIT Test Report.

Table 1: PGE Current Events Status Table

Subsystem ID	PGE ID	Current PGE Production Status ¹	Current Prod. Platform ^{2,3} (TK Version for compilation) ⁶	Status for Planned Update/New PGE ¹	Prod Platform for Planned Update ² (TK Version for compilation) ⁶	"New" Wrapper Scripts for AMI Status (Y / N / InProg) ⁷	Comments
Instrument - 1	CER1.0P1			Developing	P6 (16)	N	Will comply with all the latest whenever delivered
	CER1.0P2	Active	P4 (15)	SSI&T	P6 (16)	N	C++ RDR Pre-Processor
	CER1.1P1	Active	W	SSI&T	X86 (16)	InProg	To be disabled when C++ working- CER1.1P8
	CER1.1P3	Active	W	SSI&T	X86 (16)	InProg	To be disabled when C++ working- CER1.1P8
	CER1.1P5	Active	W	SSI&T	X86 (16)	InProg	To be disabled when C++ working- CER1.1P8
	CER1.1P7	SSI&T	W	SSI&T	W, X86 (16)	InProg	Ada NPP
	CER1.1P8			Developing	P6 (16)	N	C++ NPP, Terra, Aqua
	CER1.2P1	Active	W	SSI&T	X86 (16)	InProg	C code, delta delivery for NPP completed.
	CER1.3P1	Active	W	SSI&T	X86 (16)	InProg	Replace with CER1.4P1 on P6
	CER1.3P2	Active	W	SSI&T	X86 (16)	N	Replace with CER1.4P2 on P6
	CER1.3P3	Active	W	SSI&T	X86 (16)	N	Replace with CER1.4P3 on P6
	CER1.4P1			SSI&T	P6 (16)	N	
	CER1.4P2			Developing	P6 (16)	N	
	CER1.4P3			Developing	P6 (16)	N	
ERBE-like - 2	CER2.1P1	Active	W	ValRx	P4 (16)	N	
	CER2.2P1	Active	W	SSI&T	P4 (15)	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Active	W	SSI&T	P4 (15)	N	Compile HDF with TK 15, run with TK 16
	CER2.3P2	Active	W	SSI&T	P4 (15)	N	Compile HDF with TK 15, run with TK 16
ERBE-like - 3	CER2.4P1	Active	W	ValRx	P4 (16)	N	
	CER3.1P1	Active	W	SSI&T	P4 (16)	N	
	CER3.2P1	Active	W	SSI&T	P4 (16)	N	

Table 1: PGE Current Events Status Table

Subsystem ID	PGE ID	Current PGE Production Status ¹	Current Prod. Platform ^{2,3} (TK Version for compilation) ⁶	Status for Planned Update/New PGE ¹	Prod Platform for Planned Update ² (TK Version for compilation) ⁶	"New" Wrapper Scripts for AMI Status (Y / N / InProg) ⁷	Comments
Clouds 4.1-4	CER4.1-4.0P1	Active	W ³			N	
	CER4.1-4.0P2	Active	P4 (15)			N	
	CER4.1-4.1P4	Active	W	ValRx	P4 (15)	N	warlock version recompiled for 2008 Edition2: not using P4 version yet
	CER4.1-4.1P5	Active	W	Developing	P4 (16)	N	warlock version recompiled for 2008 Edition2
	CER4.1-4.1P6	Active	P4 (15)	Developing	P6 (16)	N	Beta2-Ed3 (P4), Ed3 (P6)
	CER4.1-4.2P2	Active	W, P4(15)			N	
	CER4.1-4.2P3	Active	W, P4(15)			N	
	CER4.1-4.2P4	Active	P4 (15)	Developing	P6 (16)	N	Beta2-Ed3 on P4, Ed3 to be on P6
	CER4.1-4.2P5	Active	P4 (15)	Developing	P6 (16)	N	Beta2-Ed3 on P4, Ed3 to be on P6
	CER4.1-4.3P2	Active	W, P4 (15)			N	
Inversion/ SOFA 4.5-6	CER4.1-4.3P3	Active	P4 (15)	Developing	P6 (16)	N	Beta2-Ed3 on P4, Ed3 to be on P6
	CER4.5-6.1P2	Active	W	Developing	P4 (16)	N	For 2010 processing, redeliver Edition2 to <i>magneto</i> . Recompiled on <i>warlock</i> for 2008/2009 processing
	CER4.5-6.1P3	Active	W, P4(15)			N	Edition2 to <i>magneto</i> . Recompiled on <i>warlock</i>
	CER4.5-6.1P4	Active	P4 (16)	Developing	P6 (16)	N	Terra Main Ed3 version of 1P2
	CER4.5-6.1P5	Active	P4 (16)	Developing	P6 (16)	N	Aqua Main Ed3 version of 1P3
	CER4.5-6.2P2	Active	W	ValRx	P4 (15)	N	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
	CER4.5-6.2P3	Active	P4 (16)	Developing	P6 (16)	N	Subset postprocessor for Terra and Aqua (Ed3 version of 2P2)
	CER4.5-6.3P2	Active	W	ValRx	P4 (15)	N	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
	CER4.5-6.3P3	Active	W	ValRx	P4 (15)	N	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
	CER4.5-6.4P1	Active	W	ValRx	P4 (15)	N	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
	CER4.5-6.4P2	Active	P4 (16)	Developing	P6 (16)	N	Monthly validation site (Ed3 for 4P1)
	CER4.5-6.5P2			Developing	P4 (16)	N	IES-SSF Terra New PGE
	CER4.5-6.5P3			Developing	P4 (16)	N	IES-SSF Aqua New PGE
	CER4.5-6.6P2	Active	W	ValRx	P4 (15)	N	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
CER4.5-6.6P3	Active	W	ValRx	P4 (15)	N	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>	

Table 1: PGE Current Events Status Table

Subsystem ID	PGE ID	Current PGE Production Status ¹	Current Prod. Platform ^{2,3} (TK Version for compilation) ⁶	Status for Planned Update/New PGE ¹	Prod Platform for Planned Update ² (TK Version for compilation) ⁶	"New" Wrapper Scripts for AMI Status (Y / N / InProg) ⁷	Comments
SARB - 5	CER5.0P1	Active	W, P4 (15)			N	
	CER5.0P2	Active	P4 (15)		P6 (16)	N	
	CER5.1P1	Active	W, P4 (15)			N	
	CER5.1P2	ValRx	P4 (16)			N	
	CER5.1P3			Developing	P6 (16), X86	N	New PGE - Edition3 Main for Terra and Aqua
	CER5.4P1	Active	W, P4 (15)			N	
	CER5.4P2	ValRx	P4 (16)			N	
TISA Grid - 6	CER6.1P1	Active	W, P4 (15)			N	
	CER6.1P2			Developing	P6 (16)	N	New PGE for Edition3
	CER6.2P1	Active	W, P4 (15)			N	
	CER6.2P2			Developing	P6 (16)	N	New PGE for Edition3
	CER6.3P1	Active	W, P4 (15)			N	
	CER6.3P2			Developing	P6 (16)	N	New PGE for Edition3
TISA Avg - 7.1	CER7.1.1P1	Active	W, P4 (15)			N	
SARB - 7.2	CER7.2.1P1	Active	W, P4 (16)			N	
TISA Avg - 8	CER8.1P1	Active	W, P4 (15)			N	
TISA Grid - 9	CER9.0P1	Active	W, P4 (15)			N	
	CER9.0P2			Developing	P6 (16)	N	ISCCP-D2like-MRG Pre-processor
	CER9.0P3			Developing	P6 (16)	N	ISCCP-D2like-MRG Main-processor
	CER9.1P1	Active	W, P4 (15)			N	
	CER9.2P1	Active	W, P4 (15)			N	
	CER9.2P2			SSI&T	P6 (16)	N	New PGE for Edition3
	CER9.3P1	Active	W, P4 (15)			N	
	CER9.3P2			SSI&T	P6 (16)	N	New PGE for Edition3
	CER9.4P1	Active	W, P4 (15)			N	
	CER9.4P2			SSI&T	P6 (16)	N	New PGE for Edition3
TISA Avg - 10	CER10.0P1	SSI&T	P4 (16)			N	new PGE
	CER10.0P2	SSI&T	P4 (16)			N	new PGE
GGEO - 11	CER11.1P10			SSI&T	P4 (16)	N	
	CER11.2P2			SSI&T	P4 (16)	N	
	CER11.4P1			SSI&T	P4 (16)	N	
	CER11.6P1	Active	W	SSI&T	P4 (16)	N	
	CER11.7P1	Active	P4 (15)			N	

Table 1: PGE Current Events Status Table

Subsystem ID	PGE ID	Current PGE Production Status ¹	Current Prod. Platform ^{2,3} (TK Version for compilation) ⁶	Status for Planned Update/New PGE ¹	Prod Platform for Planned Update ² (TK Version for compilation) ⁶	"New" Wrapper Scripts for AMI Status (Y / N / InProg) ⁷	Comments
Regrid MOA - 12	CER12.1P1	Active	W, P4 (16)	Developing	P6 (16), X86 (16)	InProg	Back from SSI&T for newly required AMI scripts
	CER12.1P2	Active	P4 (16)	Developing	P6 (16), X86 (16)	InProg	Ed3 MOA -- Back from SSI&T for newly required AMI scripts

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
	ValRx	PGE promoted to production on platform, but still undergoing ValRx testing and approving phase
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.
⁶ Prod. Platform (TK ver)	15, 16	Indicates with which version of toolkit the PGE executable was compiled. 15=Version 5.2.15, 16=5.2.16 (Note: IBM PGEs only)
⁷ "New" Wrapper Scripts for AMI Status	Y	Scripts in production
	N	Development not yet begun
	InProg	Development in progress for inclusion in next delivery

Table 2: CERES Product Current Events Status Table			
Table 2 - CERES Data Products			
Product Name	Responsible Working Group	Archival, Internal, or Ext. Input	URL in Sample Read README updated ¹ ? (Y/N)
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	Y
CRS	SARB	Archival	Y
FSW	TISA-Gridding	Archival	Y
SYN	TISA-Averaging	Archival	Y
AVG	TISA-Averaging	Archival	Y
ZAVG	TISA-Averaging	Archival	Y
SFC	TISA-Gridding	Archival	Y
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	ValRx	N/A
APD	SARB	Ext. Input	N/A
GAP	SARB	Ext. Input	N/A
MWH	SARB	Ext. Input	N/A
OPD	SARB	ValRx	N/A
¹ 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	Revision Made
1/12/2010	All	Moved PGEs with status of "Deleted" or "Disabled" to new sheet as Table 3
	CER2.1P1, CER2.4P1	Changed Planned Update status from SSI&T to ValRx
	CER2.2P1	Corrected Planned Update status from SSI&T to Developing
	CER2.3P1,2	Changed TK Version for Planned Update from 15 to 16
	CER 4.1-4.0P2, CER4.1-4.1P4,5, CER4.5-6.1P4,5, CER4.5-6.2P3, CER4.5-6.4P2	Changed Current Production Status from SSI&T to Active
	CER6.xP2	New PGEs added to Table 1
	CER12.1Px	Changed Planned Update Status to SSI&T, Changed Current Production Status TK version from 15 to 16
2/16/2010	CER1.4Px, CER5.1P3	Added
	All	Moved new PGEs in development from Current to Planned columns
	CER5.1P2, CER5.4P2, CER5.0P2	Changed Current Production Status from SSI&T to Active
	All	Added TK version for P6
3/1/2010	CER4.1-4.1P4, CER4.1-4.2P2, CER4.1-4.2P3, CER4.1-4.3P2, CER4.5-6.1P2	Changed current platforms from "W" to "W, P4", and removed "P4" and "ValRx" from planned update columns
	CER7.2.1P1	Changed current status from "ValRx" to "Active"
3/11/2010	CER12.1Px	Changed Planned Update status back from SSI&T to Developing due to the newly identified requirement for new wrapper scripts on AMI
	CER9.1P2	Removed from list
	CER9.0P2, CER9.0P3	Added to list
	CER1.0P2, CER11.10P1, CER11.2P2, CER11.4P1, CER11.6P1	Changed Planned updated status from Developing to SSI&T
	CER4.1-4.3P2	Changed P4 from planned to currently active
	CER1.1P7,8	Moved from current status columns to planned updated columns
3/30/2010	All PGEs	Added column for "New" AMI wrapper scripts
	Table 2 - Products CRS, FSW, and SFC	Changed URL Sample Read README status from "N" to "Y"
	CER1.4P1, CER9.2P2, CER9.3P2, CER9.4P2	Changed Planned Update status from Developing to SSI&T
4/13/2010	CER1.1P7, CER12.1Px	Changed Wrapper Script Status from "N" to "InProg"
	CER2.2P1, CER2.3Px	Changed Planned Updated Status from "Developing" to "SSI&T"
	CER4.1-4P5	Moved from a Current Production status of Active on P4 to a Planned update status of Developing on P4

Table 3. CERES Disabled and Deleted PGEs
(Published in DMT Report Only When a PGE is Added to Table)

Subsystem ID	PGE ID	Current PGE Production Status ¹	Comments
Instrument - 1	CER1.1P2	Disabled	Remain disabled
	CER1.1P4	Disabled	Remain disabled
	CER1.1P6	Disabled	Remain disabled
ERBE-like - 2			
ERBE-like - 3	CER3.2P2	Disabled	
Clouds 4.1-4	CER4.1-4.1P1	Disabled	
	CER4.1-4.1P2	Disabled	Collection 4
	CER4.1-4.1P3	Disabled	Collection 4
	CER4.1-4.2P1	Disabled	Collection 4
	CER4.1-4.3P1	Disabled	Collection 4
	CER4.1-4.4P1	Disabled	In Op Man, but not in FMP. Delete?
Inversion/SOFA 4.5-6	CER4.5-6.1P1	Disabled	Probably not to be reactivated
	CER4.5-6.2P1	Disabled	Probably not to be reactivated
	CER4.5-6.3P1	Disabled	Probably not to be reactivated
SARB - 5	CER5.2P1	Deleted	
	CER5.3P1	Disabled	
TISA Grid - 6			
TISA Avg - 7.1			
SARB - 7.2			
TISA Avg - 8	CER8.2P1	Deleted	Merged with CER8.1P1
TISA Grid - 9			
TISA Avg - 10	CER10.1P1	Disabled	Replace with CER10.0P2
	CER10.1P2	Disabled	Replace with CER10.0P1
	CER10.2P1	Deleted	
	CER10.3P1	Deleted	
	CER10.1P3	Disabled	
	CER10.1P4	Disabled	Replace with CER10.0P2 for Terra
	CER10.1P5	Disabled	Replace with CER10.0P1 for Terra

Table 3. CERES Disabled and Deleted PGEs
(Published in DMT Report Only When a PGE is Added to Table)

Subsystem ID	PGE ID	Current PGE Production Status ¹	Comments
GGEO - 11	CER11.1P1	Disabled	
	CER11.1P2	Disabled	
	CER11.1P3	Disabled	
	CER11.1P4	Disabled	
	CER11.1P5	Disabled	
	CER11.1P6	Disabled	
	CER11.1P7	Disabled	
	CER11.1P8	Disabled	
	CER11.2P1	Disabled	
	CER11.3P1	Disabled	
	CER11.5P1	Deleted	
Regrid MOA -12			