

March 19, 2010 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 03/17/10
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.
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	In Progress – on 9/08
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	In Progress – on 2009 data now!

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PRs 104-09 thru 111-09 Clouds 2008 on warlock 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 hr 11	In progress
PRs 129-09 thru 135-09	FM1, FM2	ValR16 (for Ed3)	BDS, IES, ERBE-like	Instrument and ERBE-like	12/04, 5/05, 6/06, 10/07, 5/08, 3/09	In progress
PR 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	ON HOLD
PR 48-09 SCCR 690	FM3, FM4	Edition2D/Ed2 D-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	Ready
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 47-09 SCCR 685	FM3, FM4	Edition2D/Ed2 D-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
PR 41-09 SCCR 692	FM1 V005 MOD08	Edition2G	CRS	5.0P1 5.1P1 5.4P1	1/1/1/08 – 12/31/08 1/1/08 – 12/31/09	In progress - Process 1 st month and wait for SS checkout
PR 46-09	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P1	1/1/1/08 – 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	1/1/1/08 – 12/31/08 1/1/08 – 12/31/09	Pending input
PR 40-09 SCCR 685	FM1	Edition2G	FSW	6.1P1 6.2P1 6.3P1	1/1/1/08 – 12/31/08 1/1/08 – 12/31/09	Ready

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 76-09 SCCR 718	FM1	Edition2G	SAH	5.0P2	1/08 – 12/08	In progress
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
<p>**** The PRs that follow cannot be processed until the PGEs have completed the delivery and testing phases. ****</p>						
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
PRs 11-10 thru 14-10 (in development)	FM1, FM2, FM3, FM4	ValRx	SRBAVG	10.0P1, 10.0P2	1/04, 4/04, 7/04, 10/04	In Pre-Op Testing
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 127-09, 128-09	FM1, FM2	Edition3	BDS, IES	Instrument and ERBE	12/04 – 3/09	Pending ValRx approval
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

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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 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
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
PRs 3-10 thru 4- 10 (in development)	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	11/05 – 12/09	In Pre-Op Testing
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

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PR 140-09 SCCR 736		Edition2	ISCCP-D2like-GEO	11.7P1	3/2000 – 12/08	In Pre-Op testing
PR 94-09 SCCR 734	FM3, FM4	ValR14	ES8	2.2P1	9/07 – 11/07	Pending Delivery
PR 93-09 SCCR 734	FM3, FM4	ValR14	ES8	2.3P1	9/07 – 11/07	Pending Delivery
PR 92-09 SCCR 734	FM3, FM4	ValR14	ES8	2.3P2	9/07 – 11/07	Pending delivery
PR 89-09 SCCR 734	FM1, FM2	ValR14	ES8	2.2P1	9/07 – 11/07	Pending Delivery
PR 88-09 SCCR 734	FM1, FM2	ValR14	ES8	2.3P1	9/07 – 11/07	Pending Delivery
PR 87-09 SCCR 734	FM1, FM2	ValR14	ES8	2.3P2	9/07 – 11/07	Pending delivery
PR 86-09 SCCR 735	FM1, FM2	ValR14	ES4, ES9	3.1P1	10/07	Pending Redelivery
PR 86a-09 SCCR 735	FM1+ FM3	ValR14	ES4, ES9	3.2P1	10/07	Pending Redelivery
PR 91-09 SCCR 735	FM3, FM4	ValR14	ES4, ES9	3.1P1	10/07	Pending Redelivery

Table 2. March 19, 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 Instrument (SCCR 717) delivery package was installed, compiled, and tested on <i>AMI-x86</i>, and released to the ASDC on March 2. The Instrument Test Plan associated with this delivery was updated, provided to the ASDC, and posted on the Web. (Ayers, Saunders) • The Instrument (SCCR 747) delivery package was installed, compiled, and tested on <i>AMI-P6</i>, and released to the ASDC on March 2. The Instrument Test Plan associated with this delivery was updated, provided to the ASDC, and posted on the Web. (Ayers, Saunders) • The CERESlib (SCCR 761) delivery package was installed, compiled, and tested on <i>magneto-P4</i>, <i>AMI-x86</i>, and <i>AMI-P6</i>, and released to the ASDC on March 10. The final tar files for CERESlib 732 and 761 were created, stored in the code repository, and provided to the ASDC. (Ayers) • The GGEO (SCCR 757) delivery package was installed, compiled, and tested on <i>magneto-P4</i>, and released to the ASDC on March 11. The GGEO Test Plan and Operator’s Manual associated with this delivery were updated, provided to the ASDC, and posted on the Web. (Ayers, Saunders) • The ERBE-like (SCCR 735) delivery package was installed, compiled, and tested on <i>magneto-P4</i>, and released to the ASDC on March 12. The ERBE-like Test Plan and Operator’s Manual associated with this delivery were updated, provided to the ASDC, and posted on the Web. (Ayers, Saunders) • Updated GGEO (SCCR 653) scripts were provided to CM. The test cases from the Test Plan were rerun, and the delivery was handed back to the ASDC for operational testing to continue. (Ayers, Saunders) • The Toolkit Version per PGE document was updated for PGEs CER3.1P1, CER3.2P1, and CER11.6P1, and provided to the ASDC. (Ayers) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders)

Table 3. CERES Subsystem Delivery Schedule – March 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 Baseline 1-QC and Edition1-CV . PGE 1.1P8 (C++).			<i>AMI-P6</i>
ERBE-like (SCCR 734)	February 26	March 12	March 19	Delivering the remaining Subsystem 2 PGEs with updates for crosstrack. (Edition2/Edition3)	X		<i>magneto-P4</i>
TISA Gridding (SCCR 739)	January 29	March 19	March 26	SFC Terra and Aqua Beta2-Edition3 . PGEs CER9.2P2, CER9.3P2, & CER9.4P2.	X	X	<i>AMI-P6</i>
Inversion (SCCR 722)	March 12	March 26	April 2	Incorporate Edition3 IESs into SSFs without having to rerun Clouds. (Edition2)		X	<i>magneto-P4</i>
Instrument (SCCR 756)	January 29	March 26	April 2	New C++ CER1.4P1 (formerly CER1.3P1) for NPP .		X	<i>AMI-P6</i>
TISA Gridding (SCCR 763)		April		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>
Instrument (SCCR 755)	April 2	April 16	April 23	Updates to PGE 1.1P8 for Terra/Aqua (Edition1-CV) and NPP . (C++) Also, build to correct any NPP-related errors discovered in NCT3 testing.			<i>AMI-P6</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 (SCCR 766)		May		SRBAVG-nonGEO Beta2-Edition3 . New PGE for the subsetter code.		X	<i>AMI-P6</i>
Instrument	April 16	April 30	May 7	New C++ Gain Analyzer CER1.4P2 (Formerly CER1.3P2) for NPP .		X	<i>AMI-P6</i>
TISA Averaging		May		SRBAVG-GEO Beta2-Edition3 . Adding Model C surface fluxes and solar insulation.			<i>AMI-P6</i>
TISA Gridding		May		Beta2-Edition3 ISCCP-D2like-Day/Nit. (PGE 9.0P1) (This delivery might not be needed.)			<i>AMI-P6</i>
ERBE-like (SCCR 740)		May		Delivery of all ERBE-like PGEs to <i>AMI</i> . (Edition2/Edition3)			<i>AMI-P6</i>
TISA Gridding (SCCR 765)		June		Edition2 ISCCP-D2like-Flx (PGE CER9.0P0).		X	<i>AMI-P6</i>
Clouds		June		Terra and Aqua Edition3 .			<i>AMI-P6</i>
Inversion		July		Terra and Aqua Edition3 .			<i>AMI-P6</i>
Instantaneous SARB	July 23	August 6	August 13	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)
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>
GCEO		Fall		Beta1-Edition3 GCEO delivery.			<i>AMI-P6</i>
Synoptic SARB		November		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 – March 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	March 19		Terra Edition3 spectral response function files for Launch – January 2009.	<i>warlock/ magneto/ AMI</i>
Instrument/ ERBE-like	N/A	May		Terra & Aqua Edition2 gains and spectral response function files for October 2009 – February 2010.	<i>warlock/ magneto/ AMI</i>
Instrument	N/A	May		Aqua Edition3 gain files for Launch – March 2005.	<i>warlock/ AMI</i>
ERBE-like	N/A	May (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 2 at 3:00 p.m. – March 17 at 2:30 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
732				X		CERESlib		
734		X				2	11	
739		X	X			9	15	
757			X			11		
758			X			9		
759			X			2 & 3		
760					X	System		
761	X		X			CERESlib	18	
762	X		X	X		Perl Lib	19	
763	X					9	20	
764	X					5	21	
765	X					9	22	
766	X					10	23	

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

CERES Software Configuration Change Request Submittal

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Subsystem: ERBElite2.0

SCCR Date: 10/26/2009

SCCR Number: 734

Parameter Change: () YES (X) NO

Description of Change (Science):

NA

Reason for Change (Science):

NA

Description of Change (non-Science):

- (Req 2-5) Convert ERBElite code to work on MAGNETO.
- (Req 2-6) Move ERBElite code into new directory structure.
- (Req 2-11) Update code and scripts to handle FM5 inputs.

Reason for Change (non-Science):
All production code is being transferred from SGIs.

Case statements do not have FM5 as an option.

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: CER2.2P1, CER2.3P1 and CER2.3P2

Estimated Time to Complete Change: 2 weeks
Planned Delivery Date: 11/6/09
List Affected Subsystems and PGE Names: CER3.1P1

Date: 10/28/2009 Status: APPROVED

Originator: WALIKAINEN, DALE R. (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 734:
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Parameter Change: () YES (X) NO

Description of Change (Science):
NA

Reason for Change (Science):
NA

Description of Change (non-Science):
(Req 2-13) Create crosstrack only Edition3 ES4s and ES9s. These monthly data products may include data from both instruments. In March 2000 for example, FM1 is in crosstrack for 21 days and FM2 for 10 days. Normally, one instrument is dedicated crosstrack for the entire month. The code changes will be in CER2.2P1, CER2.3P.1 and CER2.3P2 which create inputs (EID6s and CXDRs) for subsystem 3.

Reason for Change (non-Science):
Monthly ERBE-like data products (ES4 and ES9) will have only one version for each satellite. These will be our best data sets since crosstrack is the least optically degrading mode.

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: CER2.2P1, CER2.3P1, CER2.3P2, CER3.1P1 and CER3.2P1

Estimated Time to Complete Change: one month

Planned Delivery Date: 2/26/10

List Affected Subsystems and PGE Names: ERBE-like monthly - CER3.1P1

Date & Time: 2010-01-27 15:55:27

Originator: WALIKAINEN, DALE R. (SSAI)

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Parameter Change: () YES (X) NO

Description of Change (Science):

NA

Reason for Change (Science):

NA

Description of Change (non-Science):

(Req 2-13) Edition3 processing requires two (Aqua and Terra) satellite specific sets of ASCII files. A set consists of yearly files, each having a daily column and a column identifying which instrument is in crosstrack. Consider a row in Terra's 2005 file [20050618 1]. A script will use "1" as a flag to input FM1's data when generating a Terra crosstrack file for June 18, 2005. The daily crosstrack files will be used as input for the monthly products.

Reason for Change (non-Science):

These yearly-satellite ASCII files will reside in \$CERESHOME/erbelike/data/ancillary/static/Xtrk_db. These files supplied by Brian Magill (BM) agreed with independently generated test files used in development. These files will replace the test files. BM is also creating hourly files for the TISA group.

Since Nov-2001 FM1 has been the dedicated crosstrack instrument for Terra (FM3 since Apr-2005 for Aqua). This makes adding new yearly files trivial: one column with the date, and a column with 1's or 3's.

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: CER2.2P1, CER2.3P1, CER2.3P2, CER3.1P1 and CER3.2P1

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 3/19/10

List Affected Subsystems and PGE Names: ERBE-like monthly - CER3.1P1

Date & Time: 2010-03-10 13:56:53

Originator: WALIKAINEN, DALE R. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: TISAgri9.0

SCCR Date: 11/03/2009

SCCR Number: 739

Parameter Change: (X) YES () NO

Description of Change (Science):

Requirement #s 9-2.4,9-3.2,9-4.2

New PGEs (CER9.2P2,CER9.3P2,CER9.4P2) to support Edition3 process.

Requirement #s 9-2.6,9-3.3,9-4.3

Update scripts to reflect the changes to the output product names.

Requirement #s 9-2.5,9-3.4

Define new types in the binary output record to write computed TOA fluxes and Angular Model scenes based on GMT hour.

Reason for Change (Science):

Requirement #s 9-2.4,9-3.2,9-4.2

New PGEs are required for Edition3 process.

Requirement #s 9-2.6,9-3.3,9-4.3

TISA science team has decided to change product name from SFC to SSF-GRID-HOURLY.

Requirement #s 9-2.5,9-3.4

This data is written on to binary product for TSI (7.1.1) process.

Description of Change (non-Science):

N/A

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:

Replace Total-sky reference with All-sky Add Precipitable Water MOA

Add Wind Speed MOA

Add Estimated Inversion Strength MOA

Add CWG Surface Skin Temperature MODIS

Add New Cloud Layer (Total Cloud Properties)

Add Liquid Particle (3.7), Liquid Particle Radius(2.1), Ice Particle Diameter (3.7), Ice Particle Diameter (2.1) in all 5 cloud layers

Remove Vertical Aspect Ratio from all 5 cloud layers.

Add 11 Cloud Overlap Conditions (Clear,Lower,Lower Middle,Upper Middle, High, High over Upper Middle, High over Lower Middle, High over Lower, Upper Middle over Lower Middle, Upper Middle over Lower, Lower Middle over Lower.)

Add Surface Flux LW Model C

Add Deep blue aerosol optical depth land (0.470)

Add Deep blue aerosol optical depth land (0.550)

Add Deep blue aerosol optical depth land (0.659)

Add Solution indices ocean small average

Add Solution indices ocean large average

Reason for Parameter Change:

All changes are included in the Edition3 CER_SSF-GRID-HOURLY HDF product.

Affected PGEs in this Subsystem: CER9.2P2, CER9.3P2, CER9.4P2

Estimated Time to Complete Change: 2 months
Planned Delivery Date: November 20, 2009
List Affected Subsystems and PGE Names: SS9

Date: 11/25/2009 Status: Approved

Originator: RAJU, RAJA (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 739:

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Parameter Change: YES NO

Description of Change (Science):
Requirement #: 9-2.7
New parameters were added to SSF1deg -hour record structure

Reason for Change (Science):
Requirement #: 9-2.7
TISA science team requested new parameters.

Description of Change (non-Science):
N/A

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:
Add Snow/Ice Percentage
Add WN Surface Emissivity
Add MOA Surface Skin Temperature
Add Cos Zenith for GMT hours (needed only for 7.1 not public product)

Reason for Parameter Change:
All changes are included in the Edition3 CER_SSF-GRID-HOURLY HDF product.

Affected PGEs in this Subsystem: CER9.2P2, CER9.3P2, CER9.4P2

Estimated Time to Complete Change: Completed
Planned Delivery Date: March 5 2010
List Affected Subsystems and PGE Names: TISA gridding subsystem 9 , 10, 7.1

Date & Time: 2010-02-26 15:09:30

Originator: RAJU, RAJA (SSAI)

=====

Parameter Change: YES NO

Description of Change (Science):

Requirement #:9-2.8

Subsystem 9 Edition3 PGEs are required to process only crosstrack data. For this purpose, text files for each year, for each satellite (Terra/Aqua) are created by Brian Magill for years 2000 - 2009. Each file contains the hourly records indicating which instrument (1 or 2 for Terra; 3 or 4 for Aqua) is predominantly in crosstrack or 0 if it is undetermined. These files will be used in CER9.2P2 PCF scripts to determine the inputs for the processing hour.

Reason for Change (Science):

Requirement # 9-2.8

It was decided to include these files in the subsystem delivery as ancillary data.

Description of Change (non-Science):

N/A

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: CER9.2P2

Estimated Time to Complete Change: Completed

Planned Delivery Date: March 19,2010

List Affected Subsystems and PGE Names: N/A

Date & Time: 2010-03-16 10:06:13

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

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

Subsystem: CERESlib

SCCR Date & TIME: 2010-03-03 14:56:07

SCCR No.: 761

Parameter Change: () YES (X) NO

Description of Change (Science):

Updated a data file for ERBE-like, see SCCR 759.

Updated CERESlib files for edition 3 TISA Gridding, see SSCR 758.

Reason for Change (Science):

see SCCR 759 and SCCR 758

Description of Change (non-Science):

see SCCR 759 and SCCR 758

Reason for Change (non-Science):

see SCCR 759 and SCCR 758

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:

see SCCR 759 and SCCR 758

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 3/5/10

List Affected Subsystems and PGE Names: see SCCR 759 and SCCR 758

Originator: ZENTZ, SCOTT M. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Perl_Lib

SCCR Date & TIME: 2010-03-05 11:42:08

SCCR No.: 762

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Updating the pcf_env_x86.pl and pcf_env_p6.pl to reflect new location of TK and CERESlib.

Reason for Change (non-Science):

The location of the TK and CERESlib has changed, need to update the scripts to reflect that.

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:

Potentially All

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 3/5/10

List Affected Subsystems and PGE Names: All

Originator: ZENTZ, SCOTT M. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: TISAgird9.0

SCCR Date & TIME: 2010-03-16 10:30:11

SCCR No.: 763

Parameter Change: (X) YES () NO

Description of Change (Science):

Requirement #: 9-0.5

Initial delivery of new PGEs CER9.0P2, CER9.0P3 to process and create ISCCP-D2like-Mrg, crosstrack-only data product based on SSF and GGEO inputs.

Reason for Change (Science):

Requirement #: 9-0.5

CERES science team has decided to provide the new data set to user community.

Description of Change (non-Science):

N/A

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:

ISCCP-D2like-Mrg data product contains D2like 9 cloud types. The complete list of parameters is listed in DPC-ISCCP-D2like-Mrg R5V1 document.

Reason for Parameter Change:

New data product.

Affected PGEs in this Subsystem:

CER9.0P2, CER9.0P3

Estimated Time to Complete Change: 2 months

Planned Delivery Date: April 2010

List Affected Subsystems and PGE Names: N/A

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

Parameter Change: () YES (X) NO

Subsystem: InstSARB

SCCR Date & TIME: 2010-03-16 14:44:48

SCCR No.: 764

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

(Req# 5-20.0)

Delivery of Instantaneous SARB CRS Sample Read Package.

Reason for Change (non-Science):

(Req# 5-20.0)

This is required for public release of Edition2G products.

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: March 17, 2010

List Affected Subsystems and PGE Names: None

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: TISAgird9.0

SCCR Date & TIME: 2010-03-16 15:35:35

SCCR No.: 765

Parameter Change: (X) YES () NO

Description of Change (Science):

Requirement #: 9-0.6

Initial delivery of new PGE CER9.0P0 to process and create ISCCP-D2like-FlxDay/FlxNit, crosstrack-only data products based on SSF inputs. When these products are available as Edition2/Edition3, these will replace ISCCP-D2likeDay/Nit products.

Reason for Change (Science):

Requirement #: 9-0.6

CERES science team has decided to provide the new data set to user community.

Description of Change (non-Science):

N/A

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:

ISCCP-D2like-FlxDay/FlxNit data product contains MODIS only clouds and fluxes. The complete list of parameters will be listed in DPC-ISCCP-D2like-Flx R5V1 document.

Reason for Parameter Change:

New data products.

Affected PGEs in this Subsystem:

CER9.0P0

Estimated Time to Complete Change: 3 months

Planned Delivery Date: June 2010

List Affected Subsystems and PGE Names: N/A

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: TISAavg10.0 SCCR Date & TIME: 2010-03-16 15:46:14 SCCR No.: 766

Parameter Change: (X) YES () NO

Description of Change (Science):

Req# 10-38 SCIENCE: Remove standard deviations and number of observations

Req# 10-39 SCIENCE: Add the day time cloud group

Req# 10-40 SCIENCE: Add the total cloud layer to make 5 layers of cloud

Req# 10-41 SCIENCE: Add new parameters from SFC data and also updated code to compute the averages of the new parameters

Req# 10-42 SCIENCE: Add daily zonal and global averages for all parameters

Req# 10-43 SCIENCE: Add LW model C for the surface fluxes and use the code from CERESLIB instead of keeping separate code in SRBAVG code

Reason for Change (Science):

To support the Edition3-Beta2 delivery

Description of Change (non-Science):

Req# 10-43 NON-SCIENCE: Create 1 monthly SRBAVG and daily SRBAVGs per month and change the filenames

Reason for Change (non-Science):

The science team has decided to provide the new data set with the new data structure to users.

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

The complete list of new parameters is listed in the new Data Product Catalog

Reason for Parameter Change:

Add new data products from the input SFC data.

Affected PGEs in this Subsystem:

CER10.1P1, CER10.1P2

Estimated Time to Complete Change: 2 months

Planned Delivery Date: May 2010

List Affected Subsystems and PGE Names: N/A

Originator: NGUYEN, CATHY (SSAI)

Table 6. March 19, 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"> CER1.0P2 has gone through SIT. A problem with the ephemeris file creation that causes files to not be able to be read from a different architecture on <i>AMI</i> is being investigated. Currently, if you create an ephemeris file on a P6, it can only be read from the P6. This is not the case for the attitude data file. (Cooper & Spivak) CER1.1P7 has gone through SIT testing. Due to the issue above, and the fact that this PGE can only be processed on an x86, this PGE must use renamed Aqua ORBSIM data to run at this time. (Cooper) Work continues on updates to PGE CER1.1P8. (Grepitotis & Timcoe) Work on the delivery of PGE CER1.4P1 is delayed due to it being the test case for the new scripts needed for delivery as requested by the SEC and approved by Jonathan Gleason. (Magill) 	
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) Created Beginning-of-Mission (July 2002) Aqua Edition3 unfiltering coefficients. Provided all-sky, global average flux comparisons generated from candidate SW and TOT spectral responses to the Science Team. (Walikainen) Created unfiltering coefficients using three versions of the LW part of the Total channel spectral response. Compared the all-sky LW fluxes for these three cases. As a part of an internal Tech-Brief these results will be useful when reviewing our Edition3 methodology, creating a Quality Summary and preparing conference papers. (Walikainen & Shanker) 	

Table 6. March 19, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0	Walikainen (Lande) (Continued)	<ul style="list-style-type: none"> • Checked revised (SCCR-759) FM3 SW thermal coefficients placed in \$CERESLIB/data. They are correct. (Walikainen) • Modified SCCR-734. This modification provides more detail about the ASCII files used to identify our daily crosstrack instrument. (Walikainen) • Successfully recompiled and tested the SCCR735 version of Subsystem 3.0 on <i>AMI</i> (erbe-blue). The only difference between the <i>AMI</i> version and the <i>magneto</i> version is the gif-generating codes/scripts used to compile on <i>AMI</i> are the old ones from last November's initial SCCR735 delivery (and therefore only generate fuzzy labels on the ES4 monthly-hour plots). The corresponding codes/scripts delivered to CM on March 5 for <i>magneto</i> were recompiled in 32-bit mode (to allow partial labeling), which is not feasible on <i>AMI</i> (64-bit only). The solution to this issue will involve a new way of generating the plots from scratch (i.e., through an IDL code). This should also resolve the issue of the 32-bit convert binary executable (OK on mag, not on <i>AMI</i>) used in the final step of gif image processing, as well as any other plot issues (i.e., the web of lines that currently appear on the plots, and the location of the IDL compiler used to generate the ES4 statistical plots for CER3.2P1). (Lande) • Following the current version of the test plan (735), I was able to successfully generate and match up CER3.1P1 <i>AMI</i> output relative to the existing expected output generated on <i>magneto</i> (I am currently working on doing the same with CER3.2P1). I was also able to match up both the monthly-hour ES4 plot data as well as the latitude band data sets. (Lande) • Continued to generate and validate LW unfiltering coefficients created with our FM6 code modifications. (Walikainen & Shanker) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	

Table 6. March 19, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Studied CID input code. (Smith) • CERES Website redesign. (Heckert) • Processed QC global images and statistics for Terra Edition2B-QC from 200805 through 200810. Seasonal results were produced as well. Results are posted on the Web. (R. Brown) • Working on updating Water and Energy Cycle Website (Bing Lin's site). (R. Brown) • Working on Edition 3 Validation. Processed several versions of QC results and produced differences. Results are posted on the Web (http://earth-www.larc.nasa.gov/cgi-bin/cgiwrap/cwg/plots_images_ed3mask.pl). (R. Brown) • Debugging OverShooting algorithm. (Sun-Mack) • Tested 2.1/1/6 retrieval with and without atmosphere. (Sun-Mack). • Communications with ASDC and MOA group regarding the problem encountered with Aqua Edition2 on <i>magneto</i>. (Cross, Caldwell... & Sun-Mack) • Communications with Heck on what needed to be included in Ed3 on his part, and many communications on details of implementations. (Sun-Mack) • Helped Yan Chen NEWS setup. (Sun-Mack) • Worked with Rita Smith on NPP related issues. (Sun-Mack). • Continue working on creating lapse rate database. (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. 	

Table 6. March 19, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.4	Miller (Antropov)	<ul style="list-style-type: none"> • Worked on a program to fill the point spread function for the footprint with MODIS albedo data. Replacing individual reads with a buffer read to speed up the program. (Antropov) (Edition3) • Monitored Terra Edition2B-QC production. (Miller) • Provided questions for the IT web plenary session being held the week of March 22. (Miller) <p><u>FM5</u></p> <ul style="list-style-type: none"> • Provided numbers and file sizes for FM5 era production to ASDC. (Miller) 	
4.5	Sothcott	<ul style="list-style-type: none"> • Attended weekly SOFA working group meetings. (Sothcott) • Ran 1/30/2004 Edition3 Beta2 test data from Clouds for the SARB group. (Sothcott) • Supported FLASHflux efforts to port the Inversion/SOFA portion of its code to <i>magneto</i>. (Sothcott) • Continue work on the IES-SSF delivery. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • Delivering CRS sample read package for release of Edition2G products. See SCCR 764. (Caldwell) • Continuing work on Edition3 CRS. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (Caldwell) 	
7.1	Nguyen (Raju, Lock)	<ul style="list-style-type: none"> • No new updates. (Nguyen) 	

Table 6. March 19, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
8.0	Nguyen (Raju, Lock)	<ul style="list-style-type: none"> • Verified the comparison of x86 and P6 HDF data. (Nguyen) • Cleaning up other subsystem code that is no longer needed. (Lock) • Made changes so that the code compiles on x86 and P6 without alternating the code. (Lock) • Copied the code to ODU's X86. (Lock) 	
10.0	Nguyen (Raju, Lock)	<ul style="list-style-type: none"> • Ran March 2000 through December 2007 SRBAVGLite nonGEO and SRBAVGLite GGEO version 04. Plotted the timeline series and created netCDF data files for both datasets. (Nguyen) • Reran March 2000 through December 2007 to create SRBAVG1,2,3 for Michele Nordeen to support Dave Doelling in the GGEO calibration. (Nguyen) • Ran November 2005 through December 2007 for different set of GGEO data to support the GGEO calibration. (Nguyen) • Writing IDL program to plot the trend of 8 years of data for each region. (Nguyen) • Submitted an SCCR for the Edition3-Beta2 nonGEO SRBAVG delivery. (Nguyen) • Updating the Edition3-Beta2 code. (Nguyen) 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> • No new updates. (Raju) 	

Table 6. March 19, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Delivered Tisa gridding modules to CERESLIB as part of SCCR 739 delivery. (Raju & Parrish) • PCF scripts are updated to correct the file names, the directory names and input file checking. (Raju & Parrish) • Preparing for upcoming Subsystem 9 delivery. (Parrish & Raju) • Compared production versions of 12/02 Terra and Aqua SFC zonal files and sent the requested information to Moguo Sun. (Raju) • Received updates for PGE 9.0P2 from Moguo Sun. Started processing Terra & Aqua SSF data through PGE on <i>AMI</i>. (Raju) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Completed PGE CER11.6P1 delivery to CERES CM. (Raju) • Updated PGEs 11.1P10, 11.2P2, & 11.4P1 scripts to eliminate echo2 executable which is causing error while testing on <i>magneto</i> head node. Provided updates to CERES CM as part of SCCR 653 delivery. (Raju) • As per Dave Doelling's requests, modified CER11.1P10 code to process MTSAT with new coefficients without using the ancillary file. Processed 11/05 – 12/07 months on <i>AMI</i> and generated GGEO for SRBAVG processing. (Raju) • Completed processing all 5 satellites data up to 12/08 on <i>AMI</i>. For these runs, <i>sza3</i> coefficients were used for MTSAT. Provided all GGEO products for SRBAVG process. (Raju) 	
CERES-lib	Zentz	<ul style="list-style-type: none"> • No new updates. (Zentz) 	

Table 7. March 19, 2010 – DM Tasks

Activity	Status
Code Optimization (Coleman)	<ul style="list-style-type: none"> • Porting updated version of SS8 baseline to ODU-X86. (Coleman)
Production Processing Database/ Automation (Coleman)	<ul style="list-style-type: none"> • Continuing the task of migrating PRs from Word/PDF format to Excel. Beginning to prepare scripts to check for input files prior to job submittal. (Zentz)
Ordering Tool (Kizer)	<ul style="list-style-type: none"> • The CERES project pages to include the new landing pages continue to be reformatted to an updated design with new graphics. (Heckert) • Working with the SD graphics team to provide background and other supporting images for the new web pages. (Kizer) • Developing additional information pages for the HDF file not yet available in the new ordering tool. (Kizer) • Expanding the database to include additional attribute information web page display and data product pages. (Heckert & Chu) • The data ordering tool continues to be updated. (Chu & Mitrescu)

Table 8. March 19, 2010 – NPP Issues

Activity	Status
Telecons/ Meetings (Closs)	<ul style="list-style-type: none">• Participated in weekly NPP GSIT System Integration & Test meetings, and the GSIT Test Readiness Review March 15. Refined ERB CARS test procedures and GSIT staffing plan, and organized an internal test readiness review with ASDC staff. GSIT EEOs are this week, and run-for-record is next week.• Attended the NPP Science Data Segment telecon March 3. The main topic has been preparations for the NPP Ground System Interface Test. Details above.
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.

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	Comments
Instrument - 1	CER1.0P1			Developing	P6	Will comply with all the latest whenever delivered
	CER1.0P2	Active	P4 (15)	SSI&T	P6 (16)	C++ RDR Pre-Processor
	CER1.1P1	Active	W	SSI&T	X86	To be disabled when C++ working- CER1.1P8
	CER1.1P3	Active	W	SSI&T	X86	To be disabled when C++ working- CER1.1P8
	CER1.1P5	Active	W	SSI&T	X86	To be disabled when C++ working- CER1.1P8
	CER1.1P7	SSI&T	W	SSI&T	W, X86	Ada NPP
	CER1.1P8			Developing	P6 (16)	C++ NPP, Terra, Aqua
	CER1.2P1	Active	W	SSI&T	X86	C code, delta delivery for NPP completed.
	CER1.3P1	Active	W	SSI&T	X86	Replace with CER1.4P1 on P6
	CER1.3P2	Active	W	SSI&T	X86	Replace with CER1.4P2 on P6
	CER1.3P3	Active	W	SSI&T	X86	Replace with CER1.4P3 on P6
	CER1.4P1			Developing	P6 (16)	
	CER1.4P2			Developing	P6 (16)	
CER1.4P3			Developing	P6 (16)		
ERBE-like - 2	CER2.1P1	Active	W	ValRx	P4 (16)	
	CER2.2P1	Active	W	Developing	P4 (15)	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Active	W	Developing	P4 (15)	Compile HDF with TK 15, run with TK 16
	CER2.3P2	Active	W	Developing	P4 (15)	Compile HDF with TK 15, run with TK 16
	CER2.4P1	Active	W	ValRx	P4 (16)	
ERBE-like - 3	CER3.1P1	Active	W	SSI&T	P4 (16)	
	CER3.2P1	Active	W	SSI&T	P4 (16)	
Clouds 4.1-4	CER4.1-4.0P1	Active	W ³			
	CER4.1-4.0P2	Active	P4 (15)			
	CER4.1-4.1P4	Active	W	ValRx	P4 (15)	<i>warlock</i> version recompiled for 2008 Edition2: not using P4 version yet
	CER4.1-4.1P5	Active	W, P4(15)			<i>warlock</i> version recompiled for 2008 Edition2
	CER4.1-4.1P6	Active	P4 (15)	Developing	P6 (16)	Beta2-Ed3 (P4), Ed3 (P6)

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	Comments
	CER4.1-4.2P2	Active	W, P4(15)			
	CER4.1-4.2P3	Active	W, P4(15)			
	CER4.1-4.2P4	Active	P4 (15)	Developing	P6 (16)	Beta2-Ed3 on P4, Ed3 to be on P6
	CER4.1-4.2P5	Active	P4 (15)	Developing	P6 (16)	Beta2-Ed3 on P4, Ed3 to be on P6
	CER4.1-4.3P2	Active	W, P4 (15)			
	CER4.1-4.3P3	Active	P4 (15)	Developing	P6 (16)	Beta2-Ed3 on P4, Ed3 to be on P6
Inversion/SOFA	CER4.5-6.1P2	Active	W	Developing	P4 (16)	For 2010 processing, redeliver Edition2 to <i>magneto</i> . Recompiled on <i>warlock</i> for 2008/2009 processing
4.5-6	CER4.5-6.1P3	Active	W, P4(15)			Edition2 to <i>magneto</i> . Recompiled on <i>warlock</i>
	CER4.5-6.1P4	Active	P4 (16)	Developing	P6 (16)	Terra Main Ed3 version of 1P2
	CER4.5-6.1P5	Active	P4 (16)	Developing	P6 (16)	Aqua Main Ed3 version of 1P3
	CER4.5-6.2P2	Active	W	ValRx	P4 (15)	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
	CER4.5-6.2P3	Active	P4 (16)	Developing	P6 (16)	Subset postprocessor for Terra and Aqua (Ed3 version of 2P2)
	CER4.5-6.3P2	Active	W	ValRx	P4 (15)	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
	CER4.5-6.3P3	Active	W	ValRx	P4 (15)	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
	CER4.5-6.4P1	Active	W	ValRx	P4 (15)	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
	CER4.5-6.4P2	Active	P4 (16)	Developing	P6 (16)	Monthly validation site (Ed3 for 4P1)
	CER4.5-6.5P2			Developing	P4 (16)	IES-SSF Terra New PGE
	CER4.5-6.5P3			Developing	P4 (16)	IES-SSF Aqua New PGE
	CER4.5-6.6P2	Active	W	ValRx	P4 (15)	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
	CER4.5-6.6P3	Active	W	ValRx	P4 (15)	Edition2 to <i>magneto</i> , need recompile if <i>warlock</i>
SARB - 5	CER5.0P1	Active	W, P4 (15)			
	CER5.0P2	Active	P4 (15)		P6 (16)	
	CER5.1P1	Active	W, P4 (15)			
	CER5.1P2	ValRx	P4 (16)			
	CER5.1P3			Developing	P6 (16), X86	New PGE - Edition3 Main for Terra and Aqua
	CER5.4P1	Active	W, P4 (15)			
	CER5.4P2	ValRx	P4 (16)			

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	Comments
TISA Grid - 6	CER6.1P1	Active	W, P4 (15)			
	CER6.1P2			Developing	P6 (16)	New PGE for Edition3
	CER6.2P1	Active	W, P4 (15)			
	CER6.2P2			Developing	P6 (16)	New PGE for Edition3
	CER6.3P1	Active	W, P4 (15)			
	CER6.3P2			Developing	P6 (16)	New PGE for Edition3
TISA Avg - 7.1	CER7.1.1P1	Active	W, P4 (15)			
SARB - 7.2	CER7.2.1P1	Active	W, P4 (16)			
TISA Avg - 8	CER8.1P1	Active	W, P4 (15)			
TISA Grid - 9	CER9.0P1	Active	W, P4 (15)			
	CER9.0P2			Developing	P6 (16)	ISCCP-D2like-MRG Pre-processor
	CER9.0P3			Developing	P6 (16)	ISCCP-D2like-MRG Main-processor
	CER9.1P1	Active	W, P4 (15)			
	CER9.2P1	Active	W, P4 (15)			
	CER9.2P2			Developing	P6 (16)	New PGE for Edition3
	CER9.3P1	Active	W, P4 (15)			
	CER9.3P2			Developing	P6 (16)	New PGE for Edition3
	CER9.4P1	Active	W, P4 (15)			
	CER9.4P2			Developing	P6 (16)	New PGE for Edition3
TISA Avg - 10	CER10.0P1	SSI&T	P4 (16)			new PGE
	CER10.0P2	SSI&T	P4 (16)			new PGE
GGEO - 11	CER11.1P10			SSI&T	P4 (16)	
	CER11.2P2			SSI&T	P4 (16)	
	CER11.4P1			SSI&T	P4 (16)	
	CER11.6P1	Active	W	SSI&T	P4 (16)	
	CER11.7P1	Active	P4 (15)			
Regrid MOA -12	CER12.1P1	Active	W, P4 (16)	Developing	P6 (16), X86 (16)	Back from SSI&T for newly required AMI scripts
	CER12.1P2	Active	P4 (16)	Developing	P6 (16), X86 (16)	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)
⁵ Toolkit ver16 Tested		Criteria for defining Toolkit Version 16 Tested column value equal to "P4", "P6", "X86": If PGE is in production on P4 and compiled already with TK 15, does the existing executable work with TK 16 as long as LD_LIBRARY_PATH points to TK 15? If PGE not already compiled for production, does it compile and work with TK 16? For the P6/X86, does the version of s/w being tested on the P6/X86 work with TK 16?

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	Active	N
ES-9	ERBE-like	Archival	N
ES-4	ERBE-like	Archival	N
SSF	Inversion	Archival	Y
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	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

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)
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

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
GGEO - 11	CER11.1P1	Disabled	
	CER11.1P2	Disabled	
	CER11.1P3	Disabled	

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
	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			