

## February 16, 2011 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 02/16/11  
Active Requests in order of priority as of 02/14/11**

<b>Production Request (PR)</b>	<b>Satellite</b>	<b>Production Strategy</b>	<b>Data Product (SS#)</b>	<b>PGEs</b>	<b>Data Dates</b>	<b>Special Status</b>
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 <sup>th</sup> mesh	4.1-4.0P2	Standing Request	
AM- PR 6-05, 7-05, and 1-10 to 4-10	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	The ERBE-like PRs AM 1-10 thru 4-10 replace standing requests AM- 2-05 thru 5-05.
PM-PRs 16-05, 18-05, 2-10, 4-10, 6-10, 8-10	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	The ERBE-like PRs PM 2-10, 4-10, 6-10, & 8-10 replace standing requests PM-PRs 17-05 & 15-05.
PM-PRs 11-05 to 14-05  1-10, 3-10, 5-10, 7-10	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	The ERBE-like PRs 1-10, 3-10, 5-10, & 7-10 replace standing requests PM-PRs 11-05 & 13-05

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M-PR-2-10 PR M 1-11 SCCR 753 830	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	** NEW Standing PR Number – Delta delivery due to GMAO filename change (from “200” series to “201” series)
PR M 1-10 SCCR 753	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	
PRs 10-11 thru 13-11  SCCR 690	FM1 FM2	Edition1-CV	SSFI	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	7/10 – 10/10	In Progress  Priority Level 1
PRs 7-11 thru 9-11  SCCR 782 (828 scripts)	FM1, FM2	Edition1-CV	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	6/30/10 thru 1/1/11	In Progress  Priority Level 1
PR 49-09	FM3, FM4, MODIS V005	Edition1C	SSFI	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	11/30/07 – <del>3/1/10</del> 7/1/10	In progress NOTE: Priority will be lower for post-3/1/10 dates  Priority Level 2
PR 48-09  SCCR 690	FM3, FM4	Edition2D/ Ed2D-NoSW	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	11/30/07 - <del>3/1/10</del> 7/1/10	In progress NOTE: Priority will be lower for post-3/1/10 dates  Priority Level 2
PRs 9-10 thru 10-10 SCCR 650	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	3/2000 – 10/05	Ready. ValR2 approved.  Priority Level 2
PRs 7-10 thru 8-10 SCCR 650	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	7/2002 – 10/05	Ready. ValR2 approved.  Priority Level 2

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<b>Production Request (PR)</b>	<b>Satellite</b>	<b>Production Strategy</b>	<b>Data Product (SS#)</b>	<b>PGEs</b>	<b>Data Dates</b>	<b>Special Status</b>
PRs 5-10 thru 6-10 SCCR 650	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	11/05 – 2/10	Ready. ValR2 approved.  Priority Level 2
PRs 3-10 thru 4-10 SCCR 650	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	11/05 – 2/10	Ready. ValR2 approved.  Priority Level 2
PRs 84-10, 76-10, 92-10  SCCRs 812, 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	7/2/02 – 3/30/05	Ready  Priority Level 3
* PRs 111-10 thru 113-10 (partial – remainder) SCCR 789	Aqua XTrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	7/02 – 4/06 NOTE: Dates 7/02 thru 3/05 should only need to be processed at this point	Ready – 4/05 thru 4/06 should already be processed  Priority Level 3
PR 100-10  SCCR 794	FM3, FM4	Edition3A	SAH	5.0P2	7/02 – 3/05	Ready  Priority Level 3
PR 46-09	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P1	12/1/07 - 6/30/10	Process 1 <sup>st</sup> month and wait for SS checkout  Priority Level 3
PR 45-09  SCCR 685	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	12/1/07 - 6/30/10	Pending input  Priority Level 3
PRs 53-10 thru 62-10  SCCRs 741, 690, and 685	FM1, FM2	Edition2G	SSF, SFC	Clouds, Inversion, TISA-Gridding SS9	3/2/10 - 7/1/10	In Progress  Priority Level 3

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PR 47-09  SCCR 685	FM3, FM4	Edition2D/ Ed2D-NoSW	SFC	9.2P1 9.3P1 9.4P1	11/30/07 - <del>3/1/10</del> 7/1/10	In progress NOTE: Priority will be lower for post-3/1/10 dates  Priority Level 3
PRs 66/67/68-10,  SCCR 781	FM1	Edition2G	CRS	5.0P1 5.1P1 5.4P1	12/1/07 – <del>2/28/10</del> 6/30/10	Pending further input for 3/10 NOTE: Priority will be lower for post-3/1/10 dates  Priority Level 3
PRs 63/64/65-10  SCCR 685	FM1	Edition2G	FSW	6.1P1 6.2P1 6.3P1	12/1/07 – <del>2/28/10</del> 6/30/10	Pending further input for 3/10 NOTE: Priority will be lower for post-3/1/10 dates  Priority Level 3
PRs 136-09, 137-09 SCCR 746	FM1, FM2, FM3, FM4	Edition2A	ISCCP- D2like- Day/Nit	9.0P1	Launch thru 10/02	Ready.  Priority Level 3
PRs 82-10, 74-10, 90-10  SCCRs 812, 791, 690	FM3	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	1/06 4/30/06 – 1/1/08	Complete. 2/4/11
PRs 108-10 thru 110-10 SCCR 789	Aqua XTrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	1/06, 5/06 – 12/07	Complete. 2/4/11
PR 98-10 SCCR 794	FM3	Edition3A	SAH	5.0P2	1/06, 7/06-12/07	Complete. 2/4/11
PRs 120-10 thru 122-10  SCCR 789	Terra XTrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	11/05 – 7/06	Complete. 2/7/11

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PRs 185-10 thru 187-10  SCCR 782	Terra	ValR15 (for Ed1-CV)	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	12/07	Canceled. 2/14/11
**** The PRs that follow cannot be processed until the PGEs have completed pre-operational testing and been promoted ****						
PRs 194-10 thru 201-10, and 20-10 thru 35-10	FM1, FM2, FM3, FM4	ValR17, ValR17-Ed2, ValR17-Ed3	BDS	1.1P5 1.2P1 1.3Px	Selected dates	Pending Promotion
PRs 01-11 thru 05-11  SCCR 755	FM1, FM2, FM3, FM4	ValR22	BDS	1.1P8 1.2P1	3/31/00 (Terra) 9/30/02 (Aqua) 11/30/04 (Both) 4/30/09 (Both)	Pending Promotion
PRs 14-11 thru 15-11	FM1, FM2, FM3, FM4	ValR23		1.4P2	3/31/00 (Terra) 9/30/02 (Aqua) 11/30/04 (Both) 4/30/09 (Both)	Pending promotion
PR 16-11	FM5	PreLaunch		1.0P2	9/6/02 (tentatively)	Pending input data
PRs 164-10 thru 169-10	Merged	Edition3A	TSI	10.0P3, 7.3.1P1	7/02 - 2/10	Pending Redelivery
PRs 173-10-175-10, 183-10 (Excel Only)  SCCR <del>804</del> 797	Merged	Edition3A	SYNI	7.2.1P1	7/02 – 12/07	Ready. Pending input from code that is pending redelivery
PRs 188-10 thru 191-10	Merged	Edition3A	SYN1deg-3Hour/ M3Hour/ Month	8.1P1	7/02 – 12/07	Pending Promotion
PRs 04-11, 03-11	Terra XTrk	Edition3A	TSIB	10.0P3 7.3.1P1	03/2000 – 06/2002	Pending Redelivery
PR 02-11	Terra XTrk	Edition3A	SYNI	7.2.1P1	03/2000 – 06/2002	Ready. Pending input from code that is pending redelivery

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PRs 176-10 thru 182-10 (Excel Only)  SCCRs 811, 791, 690, 789, 794	Terra	Edition3A	SSF, SFC, SAH	4.5-6.5P4 4.5-6.2P2 4.5-6.4P1 5.0P2 9.2P2, 9.3P2 9.4P2	3/00 – 10/05	Pending promotion of SCCR 811, which is pending completion of PR 86-10 (which completed 12/30/10)
PRs 16-10 SCCR 749	CERES	ValR4x86-Ed3	MOA	12.1P2	7/04	Pending promotion
PR 15-10 SCCR 749	CERES	ValR4p6-Ed3	MOA	12.1P2	7/04	Pending promotion
PR 37-10 SCCR 749	CERES	ValR4x86-Ed2	MOA	12.1P1	7/04	Pending promotion
PR 36-10 SCCR 749	CERES	ValR4p6-Ed2	MOA	12.1P1	7/04	Pending promotion
PR 6-11  SCCR 749	CERES		MOA	12.1P2	2/28/2000 – 3/1/2010	Pending Promotion and ValR4xxxx testing
**** PRs to be written ****						
	FM2, FM4	Edition3A	SSF, SAH	4.5-6.5P4 4.5-6.5P5 4.5-6.2P2 4.5-6.4P1 5.0P2	FM2: 3/06 - 3/1/10 FM4: 4/05 - 3/1/10	
	FM3 FM4	Edition1-CV Ed1-CV- NoSW	SSF	Clouds, Inversion	6/30/10 – 1/1/11	
	FM1 FM2	Edition3A	SSF	Clouds, Inversion	6/30/10 – 1/1/11	Using Edition1-CV based inputs
	FM3 FM4	Edition3A	SSF	Clouds, Inversion	6/30/10 – 1/1/11	Using Edition1-CV based inputs

**Table 2. February 16, 2011 - System Issues and Status**

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> <li>• No activity. (Miller)</li> </ul>
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> <li>• See <a href="#">Table 3</a> for the current CERES Subsystem Delivery Schedule and <a href="#">Table 4</a> for the current CERES Coefficients Delivery Schedule. (Ayers)</li> <li>• See <a href="#">Table 5</a> for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow <a href="#">Table 5</a>. (Ayers)</li> <li>• Recompiled Inversion PGE 4.5-6.2P2 (SCCR 832) on <i>magneto-P4</i>, and released it to the ASDC on February 4. (Ayers)</li> <li>• Installed the updated PCF generator script for Instrument PGE CER1.0P2 (SCCR 747) on <i>AMI-P</i> to correct a problem identified by Vertley. The updated file was provided to the ASDC on February 7. (Ayers)</li> <li>• Installed the updated GIF file creation script for TISA Averaging PGE CER8.1P1 (SCCR 795) on <i>AMI-P-P6</i>, and provided it to the ASDC on February 10. (Cooper)</li> <li>• Installed updated scripts for Instrument PGE CER1.4P1 (SCCR 756) on <i>AMI-P</i>, and provided them to the ASDC on February 10. The scripts were modified to read input data from the correct location. (Ayers)</li> <li>• Updated, posted on the Web, and provided to the ASDC the Clouds (SCCR 719) and Instrument (SCCR 756) Operator's Manuals. (Saunders)</li> <li>• Updated the CERES Subsystem Delivery Schedule, posted in on the Web, and provided it to the DMT and ASDC SIT team. (Ayers, Saunders)</li> </ul>
<i>AMI</i> Job Submission Scripts – Phase 1	Ayers (Grepitotis)	<ul style="list-style-type: none"> <li>• The scripts for the upcoming Clouds delivery were tested by the subsystem. (Hillyer)</li> <li>• Development continues on the scripts for the upcoming ERBE-like delivery. (Grepitotis, Hillyer)</li> </ul>

**Table 3. CERES Subsystem Delivery Schedule – February 2011**  
**(CERES Science Team Meeting: April 26 – 28, 2011, in Newport News, VA)**  
**(NPP Launch Date: October 18, 2011)**

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 (SCCR 763)	October 15	October 29 In CM Queue	November 5	<b>Beta1–Edition2</b> 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>
CERESlib (SCCR 827)	January 28	February 11	February 18	Clouds updates.			<i>AMI-P6, AMI-x86, &amp; magneto-P4</i>
Clouds (SCCR 809)	January 28	February 11	February 18	Terra and Aqua <b>Beta1-Edition4</b> . PGEs CER4.1-4.1P6, CER4.1-4.2P5, CER4.1-4.2P4, and CER4.1-4.3P3.			<i>AMI-P6</i>
Perl_Lib (SCCR 834)	February 4	February 18	February 5	Updates to Pcf.pm and Dates.pm.			<i>AMI-P6 &amp; AMI-x86</i>
ERBE-like (SCCR 740)	February 4	February 18	February 5	Delivery of all ERBE-like PGEs to <i>AMI</i> . ( <b>Edition2/Edition3</b> )			<i>AMI-P6</i>
TISA Averaging (SCCR 833)	February 4	February 18	February 5	Corrections and updates to SCCR 796.			<i>magneto-P4</i>
Inversion (SCCR 814)	February 28	March 11	March 18	Terra and Aqua <b>Beta1-Edition4</b> . PGEs CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3 and CER4.5-6.4P2.			<i>AMI-P6</i>
TISA Gridding (SCCR 765)	March 11	March 25	April 1	<b>Beta1-Edition2</b> ISCCP-D2like-FlxDay/Nit (PGE CER9.0P0).		X	<i>AMI-P6</i>

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(CERES Science Team Meeting: April 26 – 28, 2011, in Newport News, VA)  
(NPP Launch Date: October 18, 2011)**

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		May		Build corrects all NPP errors found so far. Last Build before launch freeze date. Might not be needed. Includes pre-processor.			AMI-P6
Instantaneous SARB		Spring		Beta1-Edition4 CRS.			AMI-P6 & AMI-x86
GCEO		Summer		Beta1-Edition4 GCEO delivery.			AMI-P6
Instrument (SCCR 641)		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	magneto-P4

**SCF Processing**

Subsystem	Reason for Delivery	SCF Platform
TISA Averaging (SCCR 766)	SRBAVG-nonGEO Beta2-Edition3. New PGE CER10.1P1 for the subsetter code.	AMI-P6

**Table 4. CERES Coefficients Delivery Schedule – February 2011**

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
There are no deliveries scheduled at this time.					

**Table 5. SCCR Activity January 31 at 9:00 p.m. – February 14 at 5:00 p.m.**

<b>SCCR</b>	<b>S</b>	<b>U</b>	<b>A</b>	<b>C</b>	<b>D</b>	<b>SS</b>	<b>Page No.</b>	<b>Comments</b>
749		X				Regrid MOA	12	
782				X		Inversion		
807				X		Perl_Lib		
809			X			Clouds		
820				X		CERESlib		
827		X	X			CERESlib	15	
828				X		Inversion		
830				X		Regrid MOA		
831			X			Clouds		
832	X		X	X		Inversion	17	
833	X					TISA Averaging	18	
834	X					Perl_Lib	20	

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

**CERES Software Configuration Change Request Submittal**

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Subsystem: MOA

SCCR Date: 12/10/2009

SCCR Number: 749

Parameter Change: ( ) YES (X) NO

Description of Change (Science):  
None

Reason for Change (Science):  
None

Description of Change (non-Science):  
(Req# 12-3.0)

Changes to scripts and Makefiles to eliminate ASCII file generator and allow compilation and execution on P6 and x86 machines

Reason for Change (non-Science):  
(Req# 12-3.0)

Changes requested by SEC for all code deliveries to AMI system.

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: 12.1P1, 12.1P2

Estimated Time to Complete Change: 1 week  
Planned Delivery Date: December 18, 2009  
List Affected Subsystems and PGE Names: RegridMOA

Date: 12/18/2009      Status: Approved

Originator: CALDWELL, THOMAS E. (SSAI)

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**ADDITIONAL CHANGES TO SCCR NO. 749:**

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Parameter Change: ( ) YES (X) NO

Description of Change (Science):  
(Req# 12-3.1)

Correction to G5 data read routine to ensure that MOA default values are used for regions where valid G5 data are not available.

Reason for Change (Science):  
(Req# 12-3.1)

The MOA default values were not being written to the internal data array for some regions. This caused those MOA regions to produce incorrect near-surface humidity profile values.

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: CER12.1P1, CER12.1P2

Estimated Time to Complete Change: 2 days

Planned Delivery Date: December 18, 2009

List Affected Subsystems and PGE Names: Clouds, Inversion, SARB: 4.1-4.NPx, 4.5-6.NPx, 5.NPx

Date & Time: 2009-12-16 10:50:15

Originator: CALDWELL, THOMAS E. (SSAI)

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Parameter Change: ( ) YES (X) NO

Description of Change (Science):  
N/A

Reason for Change (Science):  
N/A

Description of Change (non-Science):  
(Req# 12-3.3)

Update run scripts to use G541CER filenames for G5-CERES inputs.

Reason for Change (non-Science):  
(Req# 12-3.3)

The G5-CERES filenames changed from the names previously specified by GMAO.

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: CER12.1P1, CER12.1P2

Estimated Time to Complete Change: 3 days

Planned Delivery Date: January 10, 2011

List Affected Subsystems and PGE Names: RegridMOA

Date & Time: 2011-02-14 15:07:48

Originator: CALDWELL, THOMAS E. (SSAI)

**CERES Software Configuration Change Request Submittal**

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

Subsystem: CERESlib            SCCR Date & TIME: 2011-01-21 13:53:24            SCCR No.: 827

Parameter Change:  YES  NO

Description of Change (Science):  
Refer to SCCRs 823 and 825.

Reason for Change (Science):  
Refer to SCCRs 823 and 825.

Description of Change (non-Science):  
This change implements all of the Edition4 updates into the operational version of CERESlib on AMI and Magneto. Please refer to SCCRs 823 and 825.

Reason for Change (non-Science):  
Refer to SCCRs 823 and 825.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and  
Description of Parameter Change:  
Refer to SCCR 825.

Reason for Parameter Change:  
Refer to SCCR 825.

Affected PGEs in this Subsystem:  
Refer to SCCRs 823 and 825.

Estimated Time to Complete Change   : 1 Day  
Planned Delivery Date                 : February 4, 2011  
List Affected Subsystems and PGE Names: Refer to SCCRs 823 and 825.

Originator: HILLYER, THOMAS N. (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 827:

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Parameter Change:  YES  NO

Description of Change (Science):  
N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Adding linker flags, "-lhdf5", to \$HDF5LIBS environment variable to statically build an HDF5-enabled executable with "\$HDF5LIB/libhdf5.a" on AMI and Magneto.

Reason for Change (non-Science):

Attempting to build an HDF5-enabled executable will result in a static linking error because the HDF5 library cannot be found, unless the executable's Makefile explicitly specifies "-lhdf5". This update will add the \$HDF5LIBS flag to the standard CERES environment on AMI and Magneto.

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: 2/18/2011

List Affected Subsystems and PGE Names: All

Date & Time: 2011-02-14 10:09:19

Originator: HILLYER, THOMAS N. (SSAI)

SCCR #827 is associated with the following SCCRs:

823 825

## CERES Software Configuration Change Request Submittal

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Subsystem: Inversion                      SCCR Date & TIME: 2011-02-04 09:54:31                      SCCR No.: 832

Parameter Change: ( ) YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Recompile PGE CER4.5-6.2P2

Reason for Change (non-Science):

There were problems (error 127) in testing using CER4.5-6.2P2 for Edition1-CV processing. The recompile should resolve this error.

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:

CER4.5-6.2P2

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 2/4/2011

List Affected Subsystems and PGE Names: Inversion CER4.5-6.2P2

Originator: SOTHCOTT, VICTOR E. (SSAI)

## CERES Software Configuration Change Request Submittal

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Subsystem: TISAavg                      SCCR Date & TIME: 2011-02-11 13:21:19                      SCCR No.: 833

Parameter Change: ( ) YES (X) NO

Description of Change (Science):

Req#7.3-1 Add a check for NaN and Inf of the input GGEO cloud parameters. Check for cloud fractions and make other cloud parameters to be defaults if cloud fractions are zero.

Req#7.3-2 Add a range check for IR from GGEO data. If the IR is bad then make the IR to be default and cloud parameters also defaults.

Req#7.3-3 Add code to use the clear-sky map to fill in the SW TOA fluxes when there is no SW flux at cosine solar zenith angle greater than zero.

Req#7.3-4 Update the non-GEO SW interpolation code to handle the unique cases in the polar regions.

Req#7.3-5 Update GEO interpolation code to increase the limit of solar zenith angle to 90 degrees.

Req#7.3-6 Update the directional model code to accept sza=90 degrees.

Req#7.3-7 Add a QC check for NaN and Inf for output TOA fluxes.

Req#7.3-8 Update code to omit the interpolation of the Vertical Aspect Ratio cloud parameter.

Req#7.3-9 Update code to correct the half-sine fit for LW and WN fluxes.

Req#7.3-10 Change the IR lower boundary from 0.0 to 0.5.

Req#7.3-11 Add a check for output cloud parameters for every hour after interpolation. If the cloud parameter is out of the range then make it default. After the end of the month, add a check for defaults and then linear interpolate the parameter if there is default in the data.

Req#7.3-12 Use the SORCE solar radiation instead of 1365.

Req#10-38 Use the SORCE solar radiation instead of 1365

Reason for Change (Science):

Corrections and updates are made for SCCR796 delivered on Magneto.

There are several anomalies happened during creating TSIB data and the problems are due to unique cases in the polar regions and out of range GGEO data. The code are modified to deal with abnormal input data and also correct errors in the TSIB data

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:

CER10.0P3, CER7.3.1P1

Estimated Time to Complete Change: 2 weeks

Planned Delivery Date: February 18, 2011

List Affected Subsystems and PGE Names: CER8.1P1

Originator: NGUYEN, CATHY (SSAI)

## CERES Software Configuration Change Request Submittal

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Subsystem: Perl\_Lib                      SCCR Date & TIME: 2011-02-14 12:59:25                      SCCR No.: 834

Parameter Change: ( ) YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Updated Pcf.pm's Print\_Footer subroutine to support optional arguments that can define disabled status codes and ephemeris and attitude data masks.

Removed unnecessary year bounds checking (1985..2030) from Dates module.

Added generic split, check, range, and next date subroutines to Dates module. Supports both hyphenated and non-hyphenated forms where applicable.

Added Error\_Message subroutine to print single and multiple date submissions.

Adding formal test\_suites directory to Perl\_Lib.

Reason for Change (non-Science):

Adding more generic functionality to Dates module. Added optional arguments to Pcf module's Print\_Footer to handle more cases required by specific PGEs.

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 AMI PGEs

Estimated Time to Complete Change: 4 Days

Planned Delivery Date: 2/18/2011

List Affected Subsystems and PGE Names: All AMI PGEs

Originator: GREPIOTIS, ARTHUR T. (SSAI)

**Table 6. February 16, 2011 - Subsystem Issues and Status**

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Grepitotis)	<ul style="list-style-type: none"> <li>Nothing to report. (Hillyer)</li> </ul>	
CERES-lib	Grepitotis (Hillyer)	<ul style="list-style-type: none"> <li>Applied most recent Edition4 updates to CERESlib on /SCF2 version on <i>AMI</i> (P6 and x86). (Hillyer)</li> <li>Installed most recent Edition4 updates to CERESlib on <i>magneto</i>. (Hillyer)</li> <li>Added \$HDF5LIBS environment variable to CERES environment on <i>AMI</i> and <i>magneto</i> to support HDF5-enabled applications. (Hillyer)</li> </ul>	
Perl_Lib	Hillyer (Grepitotis)	<ul style="list-style-type: none"> <li>Updated Pcf.pm's Print_Footer subroutine to support optional arguments that can define disabled status codes and ephemeris and attitude data masks. (Grepitotis)</li> <li>Removed unnecessary year bounds checking (1985..2030) from Dates module. (Hillyer)</li> <li>Added generic split, check, range, and next date subroutines to Dates module. Supports both hyphenated and non-hyphenated forms where applicable. (Grepitotis)</li> <li>Added Error_Message subroutine to print single and multiple date submissions. (Grepitotis)</li> </ul>	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> <li>Continue to work with SIT as they test the Instrument SCCRs delivered to <i>AMI-P</i>. (Cooper)</li> <li>Work continues to update CER1.1Px to include CER1.2P1 Pre-ES8 generation. All updates for this are script related. The updated scripts will require an extra input parameter "-run_pres8", which when set will run both PGEs using the PCF created for CER1.1Px. This update will also be applied to CER1.3P3 to facilitate production of Edition3. (Cooper)</li> <li>Work continues to port all existing validation code over from <i>spg10</i> and <i>warlock</i> to <i>AMI</i>. (Cooper, Snyder)</li> </ul>	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> <li>Created PRs 17-11 &amp; 18-11 to validate 1.4P1 (ValR23, SCCR 756) delivery. (Lande)</li> <li>Worked with Thomas to get CER2.2P1 and CER2.3P1/2 ready for integration into SGE ops. Fixed bugs and successfully tested the resulting new</li> </ul>	

**Table 6. February 16, 2011 - Subsystem Issues and Status**

SS No.	SS Lead	Status	Problems
2.0 (Cont'd)	Walikainen (Lande)	<p>scripts (i.e., Driver script, File utilities module, etc...) with representative range of test cases (Eds 1/2/3, FM1/3/4/5). (Lande and Grepiotis)</p> <ul style="list-style-type: none"> <li>• Updated CER3.1P1 to enable Thomas to add SGE capability to it. Began doing the same with CER3.2P1. (Lande and Grepiotis)</li> <li>• Preparing analysis for Edition3 Flashflux unfiltering coefficients. (Walikainen)</li> <li>• Creating SGE scripts for CER2.1P1 and CER2.4P1. (Hillyer)</li> </ul>	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> <li>• Combined with above.</li> </ul>	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> <li>• Assisted in development of 1P6/2P5 2-day run script. (Smith)</li> <li>• Ran extensive testing on 1P6/2P5 2-day run script. (Smith)</li> <li>• Updated 1P6, 2P4, 2P5, &amp; 3P3 cleanup scripts to clean multiple days in a reasonable time. (Smith)</li> <li>• Completed new 1P6/2P5 2-day sections in Clouds Operator's Manual and Test plan. (Smith)</li> <li>• Finished reproducing 12 monthly surface emissivity maps for channel 3.7, 8.5, 11, and 12 <math>\mu\text{m}</math> from CIMSS Global Infrared Land Surface Emissivity Database of Terra and Aqua 2007 for Ed4 delivery. (Chen)</li> <li>• Tested the daacget/daacIs on <i>AMI</i>. (Chen)</li> <li>• Finished processing July, August, September, October, November and December of 2006 NEWS data with RelB1 version and the corresponding QC plots were processed and can be viewed on the Web. Started to gather input data for processing 2009 data for NEWS. (Chen)</li> <li>• Processed QC global images and statistics were processed for Edition4 Validation. Difference results were produced and posted for Ed4 and Ed4(1.15). (R. Brown)</li> <li>• FLASHFlux QC global images and statistics for Terra and Aqua were produced for January 2011. Results were posted on the Web. (R. Brown)</li> </ul>	

**Table 6. February 16, 2011 - Subsystem Issues and Status**

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> <li>• Working to build a new IBMdx package that will read in two CloudVis files (pixel level data) and apply arithmetic to the data sets to do a two data sets comparison. (Gibson)</li> <li>• Began code modifications/additions to the CloudVis Viewer to add functionality to produce batch runs of difference masks created from separate files. The script processes were developed and tested to run on the machine <i>AMI</i>. Although previous code existed to produce such difference masks, it's function was limited. The new tool will allow much greater flexibility and depth of function, and will aid in version control efforts by reducing the number of separate codes. (Gibson)</li> <li>• Working with Rita on whatever issues arose during Edition 4 delivery testing and preparations. (Sun-Mack)</li> <li>• Working and communicating with Pat Minnis on the changes that he wanted to test. (Sun-Mack)</li> <li>• Working on accessing and understanding the CloudSat FLXHR (Flux/Heating Rate) product. (Sun-Mack)</li> </ul>	
4.2	Sun-Mack	<ul style="list-style-type: none"> <li>• Combined with above.</li> </ul>	
4.3	Sun-Mack	<ul style="list-style-type: none"> <li>• Combined with above.</li> </ul>	
4.4	Miller (Antropov)	<ul style="list-style-type: none"> <li>• Changed the name of the toaflux_sw_dn to toa_solrad_in in the binary ssf_typdef_Ed4. (Miller) (Edition4)</li> <li>• Implemented algorithm to convert missing cloud fraction to clear when sunglint is present; also remove footprints with bad radiances from SSF. (Miller) (Edition4)</li> <li>• Updated Aqua Edition3 Data Quality Summary. (Miller) (Edition3)</li> <li>• Worked on the program to introduce new GRing construction algorithm. (Antropov) (Edition4)</li> </ul>	
4.5	Sothcott	<ul style="list-style-type: none"> <li>• Updated scripts for CER4.5-6.1P2 and CER4.5-6.1P3 to allow for the 'DefaultSCC' option to be used for at launch Spectral Calibration Coefficients to be used for Edition1-CV processing. (Sothcott)</li> </ul>	

**Table 6. February 16, 2011 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.5 (Cont'd)	Sothcott	<ul style="list-style-type: none"> <li>Updated Edition4-Beta1 code to support the typedef change of SSF-38a and currently installing a new ancillary file to use for calculation of this variable. (Sothcott)</li> <li>Installed code to fill the new Edition4 variables SSF-60a and SSF-60c. Tested the code with successful results. (Sothcott)</li> </ul>	
4.6	Sothcott	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> <li>No new updates. (Caldwell)</li> </ul>	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> <li>Identified issue with SYN production runs of Terra/Aqua 200804. Working with Cathy to resolve issue. (Caldwell)</li> </ul>	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> <li>No new updates. (Caldwell)</li> </ul>	
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> <li>Continue updating code to solve for the special cases in TOA LW, WN and SW fluxes. (Nguyen)</li> <li>Ran 2005 through 2010 TSIB for validation. (Nguyen)</li> <li>Submit the SCCR 833 for the Merged Terra-Aqua TSIB code. (Nguyen)</li> </ul>	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> <li>Provided support for CM and SIT testing for SCCR 795. This included a fix for the plotting scripts to point to the system provided ppmtogif routine. (Lock)</li> <li>Providing Dave Doelling with plots as requested. (Lock)</li> <li>Ran SS8 with new SYNI and TSIB Edition3A data. Provided validation plots on the Edition3A data. Reviewed range checks on Edition3A output. (Lock)</li> </ul>	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> <li>Ran SSF1deg from March 2010 through June 2010. (Nguyen)</li> </ul>	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> <li>No new updates. (Raju)</li> </ul>	
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> <li>As per Moguo Sun's request, created new modules to generate ISCCP-D2like-FLX HDF product. A sample file was created for his approval of the file format. Work started to integrate the code with his software. (Raju)</li> </ul>	

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<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
9.0 (Cont'd)	Raju (Nguyen)	<ul style="list-style-type: none"> <li>• Work continued on IDL software to create validation plots. (Raju)</li> </ul>	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> <li>• Few problems were found with the 5-channel cloud retrieval GOES-11 and METEO-9 data. Received new files from Nordeen and the data was processed through PGE 11.2P2 successfully. Generated hourly plots and the product was made available to TISA members for validation. (Raju)</li> <li>• Received from Cathy Nguyen a list of months that showed ir radiance values less than 0.5 in GGEO product. Indicated that low ir tends to cause a problem in the Averaging process. To eliminate the problem, weeder text files were updated for these months and GGEO data was processed through PGE 11.6P1 to create GGEO files at SCF. Planning to do delta delivery of the updated text files after TISA Averaging approval of GGEO files. (Raju)</li> <li>• Processed G-11, MET9 &amp; MET7 up to December 2010 and waiting for G-13, MTS2 coefficients from Dave Doelling. (Raju)</li> <li>• Created a new module to perform range checking on GGEO data and will be included in Edition4 GGEO process. (Raju)</li> <li>• Checking and cleaning the bad scan data on the raw McIDAS images from March 2010 - December 2010. (Lock)</li> </ul>	

**Table 7. February 16, 2011 – DM Tasks**

Activity	Status
<p>Production Processing Database/Automation (Coleman)</p>	<ul style="list-style-type: none"> <li>• Collected and organized feedback received from the CERES PR General Query Web Site. (Parrish)</li> <li>• Testing modifications to the CERES PR General Query Web Site based upon feedback received. (Parrish)</li> <li>• Developed first draft of requirements for the PGE optimization effort and developed corresponding architectural slides. (Parrish, Coleman, Magill, Davenport, Key)</li> <li>• Modifying PR Database and Web interface in response to feedback collected from demo. (Heckert, Grune)</li> <li>• Collecting input on best PR statuses to be indicated. (Coleman)</li> <li>• Continued development of the CERES PR Tool. (Heckert)</li> </ul>
<p>Ordering Tool (Kizer)</p>	<ul style="list-style-type: none"> <li>• The ordering tool pages continue to be upgraded with Shopping Cart capabilities. This will include a user account, view cart page and view order status page. (Chu, Mitrescu)</li> <li>• A reorganization of Web pages to separate Edition2 from Edition3 datasets was initiated. (Kizer)</li> <li>• Development on ISCCP-D2 data selection pages for making this data set available via the Order Tool continued. (Heckert, Mitrescu)</li> <li>• Continued development of the user interface of the CERES Ordering Tool. (Heckert)</li> <li>• Completed and moved into production the script which reads the Ordering Tool statistics logs and loads it into the database daily so it can be viewed using the CERES Stat Tool. (Heckert)</li> </ul>

**Table 8. February 16, 2011 – NPP Issues**

Activity	Status
FM5	<ul style="list-style-type: none"><li data-bbox="472 296 1333 361">• Attended JPSS User Conclave and Customer Forum February 9 and 10, 2011. (Miller)</li><li data-bbox="472 384 1281 449">• Worked on obtaining JPSS eRoom access (still in progress). (Miller)</li></ul>

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation <sup>1,2</sup>							Status of Misc. Item(s)	
Subsystem ID	PGE ID	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) <sup>7</sup>	Comments
Instrument - 1	CER1.0P1	N	N	N/A	N	N/A	N	N/A	n/a	Will comply with all the latest whenever delivered
	CER1.0P2	N	N	N/A	SSI&T	16	SSI&T	16	SSI&T	C++ RDR Pre-Processor
	CER1.1P1	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	To be disabled when C++ working- CER1.1P8
	CER1.1P3	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	To be disabled when C++ working- CER1.1P8
	CER1.1P5	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	To be disabled when C++ working- CER1.1P8
	CER1.1P7	SSI&T	N	N/A	N	N/A	Y	16	Y	Ada NPP
	CER1.1P8	N	N	N/A	SSI&T	16	Devel	16	SSI&T	C++ NPP, Terra, Aqua
	CER1.2P1	Y	N	N/A	SSI&T	16	SSI&T	16	SSI&T	C code, NPP capable.
	CER1.3P1	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	Replace with CER1.4P1 on P6
	CER1.3P2	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	Replace with CER1.4P2 on P6
	CER1.3P3	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	Replace with CER1.4P3 on P6
	CER1.4P1	N	N	N/A	SSI&T	16	SSI&T	16	SSI&T	
	CER1.4P2	N	N	N/A	SSI&T	16	SSI&T	16	SSI&T	
CER1.4P3	N	N	N/A	Devel	16	Devel	16	<b>N</b>		
ERBE-like - 2	CER2.1P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER2.2P1	Y	Y	15	Devel	16	Devel	16	Devel	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER2.3P2	Y	Y	16	Devel	16	Devel	16	Devel	
ERBE-like - 3	CER2.4P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER3.1P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER3.2P1	Y	Y	16	Devel	16	Devel	16	Devel	

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Subsystem ID	PGE ID	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) <sup>7</sup>	Comments
Clouds 4.1-4	CER4.1-4.0P1	Y	N	N/A	N	N/A	N	N/A	n/a	
	CER4.1-4.0P2	N	Y	15	N	N/A	N	N/A	n/a	Migration to AMI not in near future
	CER4.1-4.1P4	Y	Y	16	N	N/A	N	N/A	n/a	warlock version recompiled for 2008 Edition2, Possibly use P4 for 3/10 forward
	CER4.1-4.1P5	Y	Y	16	N	N/A	N	N/A	n/a	warlock version recompiled for 2008 Edition2, Use P4 for 3/10 forward
	CER4.1-4.1P6	N	Y	16	Devel	16	N	N/A	Devel	Beta2-Ed3 (P4), Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P2	Y	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P3	Y	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P4	N	Y	16	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future
	CER4.1-4.2P5	N	Y	16	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future
	CER4.1-4.3P2	Y	Y	15	N	N/A	N	N/A	n/a	Ed2
CER4.1-4.3P3	N	Y	16	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future	
Inversion/SOF A 4.5-6	CER4.5-6.1P2	Y	ValRx	16	N	N/A	N	N/A	n/a	Ed2 Terra Main
	CER4.5-6.1P3	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 Aqua Main
	CER4.5-6.1P4	N	Y	16	Devel	16	Devel	16	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	Y	16	Devel	16	Devel	16	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.2P2	Y	Y	15	N	N/A	N	N/A	n/a	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	Y	16	Devel	16	Devel	16	Devel	Subset postproc for Terra and Aqua (Ed4 version of 2P2)
	CER4.5-6.2P4	N	Y	16	N	N/A	N	N/A	n/a	Ed3 daily post-processor
	CER4.5-6.3P2	Y	SSI&T	16	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i> Terra alternate
	CER4.5-6.3P3	Y	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P1	Y	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	Y	16	Devel	16	Devel	16	Devel	Monthly validation site (Ed4 for 4P1)
	CER4.5-6.5P2	N	N	N/A	N	N/A	N	N/A	n/a	IES-SSF Terra New PGE, Ed4 format
	CER4.5-6.5P3	N	N	N/A	N	N/A	N	N/A	n/a	IES-SSF Aqua New PGE, Ed4 format
	CER4.5-6.5P4	N	Y	16	N	N/A	N	N/A	n/a	IES-SSF Terra New PGE, Ed2 format
CER4.5-6.5P5	N	SSI&T	16	N	N/A	N	N/A	n/a	IES-SSF Aqua New PGE, Ed2 format	
CER4.5-6.6P2	Y	N	N/A	N	N/A	N	N/A	n/a	Edition2	
CER4.5-6.6P3	Y	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>	

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SARB - 5	CER5.0P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER5.0P2	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only for now, Ed3 version requires delta delivery
	CER5.1P1	Y	Y	16	N	N/A	N	N/A	n/a	Ed2 only
	CER5.1P2	N	ValRx	16	N	N/A	N	N/A	n/a	Ed2 only
	CER5.1P3	N	N	N/A	Devel	16	Devel	16	<b>N</b>	New PGE - Edition4 Main for Terra and Aqua
	CER5.4P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
TISA Grid - 6	CER6.1P1	Y	Y	15	N	N/A	Devel	16	n/a	
	CER6.1P2	N	N	N/A	N	N/A	N	N/A	n/a	New PGE for Edition4
	CER6.2P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER6.2P2	N	N	N/A	Devel	16	Devel	16	n/a	New PGE for Edition4
	CER6.3P1	Y	Y	15	N	N/A	N	N	n/a	
TISA Avg - 7.1	CER6.3P2	N	N	N/A	Devel	16	Devel	16	n/a	New PGE for Edition4
	CER7.1.1P1	N	Y	15	N	N/A	N	N/A	n/a	
SARB - 7.2	CER7.3.1P1	N	Devel	16	Devel	16	N	N/A	SSI&T	New PGE for Edition3
	CER7.2.1P1	N	Y	16	N	N/A	SSI&T	16	SSI&T	P4 only Ed2 for now, X86 for Ed2 and Ed3
TISA Avg - 8	CER8.1P1	N	Y	15	SSI&T	16	N	N/A	SSI&T	Migrate to AMI for Ed3
TISA Grid - 9	CER9.0P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.0P2	N	N	N/A	SSI&T	16	N	N/A	SSI&T	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N	N/A	SSI&T	16	N	N/A	SSI&T	ISCCP-D2like-MRG Main-processor
	CER9.1P1	Y	Y	15	Devel	16	Devel	16	<b>N</b>	
	CER9.2P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.2P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.3P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.3P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.4P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
TISA Avg - 10	CER9.4P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER10.0P1	N	Y	16	N	N/A	N	N/A	n/a	
	CER10.0P2	N	Y	16	N	N/A	N	N/A	n/a	
	CER10.0P3	N	Devel	16	Devel	16	N	N/A	SSI&T	New PGE for Edition3

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation <sup>1,2</sup>							Status of Misc. Item(s)	
Subsystem ID	PGE ID	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) <sup>7</sup>	Comments
GGEO - 11	CER11.1P10	N	Y	16	Devel	16	Devel	16	<b>N</b>	
	CER11.2P2	N	Y	16	Devel	16	Devel	16	<b>N</b>	
	CER11.4P1	N	Y	16	Devel	16	Devel	16	<b>N</b>	
	CER11.6P1	N	Y	16	Devel	16	Devel	16	<b>N</b>	
	CER11.7P1	N	Y	16	Devel	16	Devel	16	<b>N</b>	
Regrid MOA - 12	CER12.1P1	Y	SSI&T	16	SSI&T	16	SSI&T	16	SSI&T	
	CER12.1P2	N	Y	16	SSI&T	16	SSI&T	16	SSI&T	

Table 1 Key:		
<sup>1</sup> Status	Y	Currently able to run in production
	Devel	PGE in development, still to be delivered for the first time to the platform.
	SSI&T	PGE delivered and in SSI&T (CM or SIT) testing prior to operational processing
	ValRx	PGE promoted to production on platform, but still undergoing ValRx testing and approving phase
<sup>2</sup> Prod. Platform	SGL	warlock
	P4	Magneto - IBM P4
	P6	AMI - IBM P6
	X86	AMI - IBM X86
<sup>7</sup> "New" Wrapper Scripts for AMI Status	Y	Scripts in production
	n/a	Not needed for this PGE
	N	Development not yet begun
	SSI&T	Delivered and in SSI&T (CM or SIT) testing prior to operational processing
	Devel	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 <sup>1</sup> ? (Y/N)
BDS	Instrument	Archival	<b>N</b>
ES-8	ERBE-like	Archival	<b>N</b>
ES-9	ERBE-like	Archival	<b>N</b>
ES-4	ERBE-like	Archival	<b>N</b>
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
<sup>1</sup> Sample Read Package README files: References to URL <a href="http://asd-www.larc.nasa.gov/ceres/ASDceres.html">http://asd-www.larc.nasa.gov/ceres/ASDceres.html</a> need to be updated to <a href="http://science.larc.nasa.gov/ceres">http://science.larc.nasa.gov/ceres</a>			

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

Revisions:		
Date	Affected Section or PGE/Product ID	Revision Made
5/3/2010	Many PGEs	Changed "New" Wrapper status from "N" to "n/a"; Changed Status and Platform for Planned updates to "n/a" for PGEs that are not expected to migrate to AMI
	CER1.1P8, CER1.3P2,3, CER1.4Px	Changed "new" Wrapper status from "N" to "InProg"
	CER1.4Px	Added X86 to planned update platform column
	CER4.1-4.1P4	Changed Planned update status from "ValRx" to "SSI&T" and TK Ver to 16
	CER4.5-6.2P2,4P1	Added P4 to Current Prod Platform & removed P4 from Planned update columns
	CER5.4P2	Changed current status from ValRx to Active
	CER10.0Px	Changed status from SSI&T to ValRx
	CER11.7P1	Changed Planned update status to "SSI&T" and Planned Platform to P4
5/18/2010	All	Replaced columns indicating active platforms with platform-specific status
6/1/2010	CER4.5-6.5P4, CER4.5-6.5P5	New PGEs added to list
	CER4.5-6.5P2, CER4.5-6.5P3	Changed P4 status from SSI&T to N
	Clouds and Inversion	Changed comments to indicate Edition4 instead of Edition3
	CER9.x.P2	Changed Platform information to indicate development status on P4
6/15/2010	CER7.1.1P2, CER7.2.1P2, CER10.0P3	New PGEs added to list
	CER1.1P7	Changed Wrapper Script Status from "InProg" to "Y", changed X86 status to "Y"
	CER2.4P1	Changed P4 status from "ValRx" to "Y"
	CER4.5-6.5P4, CER4.5-6.5P5	Changed P4 status from "Devel" to "SSI&T"
	CER4.5-6.2P2	Changed P4 status from "SSI&T" to "Y"
	CER1.4P3	Changed "new" Wrapper status from "InProg" to "N"
6/28/2010	CER4.1-4.1P5, CER4.5-6.1P3	Changed P4 status from "ValRx" to "Y"
	CER9.2P2, CER9.3P2, CER9.4P2	Changed P4 status from "Devel" to "SSI&T"
7/13/2010	CER3.1P1, CER3.2P1	Changed P4 status from "SSI&T" to "ValRx"
	CER6.1P2, CER6.2P2, CER6.3P2	Changed P6 and X86 status form "Devel" to "N", Changed new wrapper status from "N" to "n/a"
	CER7.2.1P1	Changed P6 and X86 status form "N" to "Devel", Changed new wrapper status from "n/a" to "N"
	CER7.2.1P2	Changed P6 and X86 status form "Devel" to "N", Changed new wrapper status from "N" to "n/a"
	CER11.1P10, CER11.2P2	Changed P4 status from "ValRx" to "SSI&T"
	Instrument PGEs	Changed Wrapper Script Status to mirror PGE source code statuses
	CER1.1P8, CER1.4P2	Changed P6 and X86 status from "Devel" to "SSI&T"

Revisions:		
Date	Affected Section or PGE/Product ID	Revision Made
7/26/2010	CER4.5-6.2P4	Added
	CER7.2.1, CER8.1P1	Changed P6 status form "N" to "Devel", Changed new wrapper status from "n/a" to "Devel"
8/10/2010	CER1.0P2	Changed P6, X86, and New wrapper script statuses from "Devel" to "SSI&T"
	CER10.0P3	Changed "new" Wrapper status from "N" to "Devel" (correction)
	CER11.1P10	Changed "new" Wrapper status from "Devel" to "N" (Correction)
	CER2.2P1, CER2.3Px	Changed P4 status from "SSI&T" to "ValRx"
8/25/2010	CER7.3.1P1, CER10.0P3	Changed P4 status from "Devel" to "SSI&T"
	CER11.1P10, CER11.4P1	Changed P4 status from "SSI&T" to "ValRx"
9/7/2010	CER4.5-6.2P4, CER4.5-6.5P4	Changed P4 status from "SSI&T" to "Y"
9/20/2010	CER7.2.1P1	Changed X86 status from "Devel" to "SSI&T"
	CER11.1P10, CER11.2P2, CER11.4P1, CER11.6P1	Changed P4 status from "ValRx" to "Y"
	CER10.0P1, CER10.0P2	Changed P4 status from "ValRx" to "SSI&T"
10/4/2010	CER2.2P1, CER2.3Px, CER2.3P1, CER2.3P2	Changed P4 status from "ValRx" to "Y"
10/18/2010	CER7.3.1P1, CER10.0P3	Changed P6 status from "Devel" to "SSI&T"
	CER7.2.1P1	Changed X86 status from "Devel" to "SSI&T"
11/1/2010	CER12.1Px	Changed P6, X86, and New Wrapper Script statuses from "Devel" to
11/22/2010	CER9.0P2, CER9.0P3	Changed P6 status from "Devel" to "SSI&T"
	CER8.1P1	Changed P6 status from "Devel" to "SSI&T"
12/21/2010	CER7.2.1P1	Changed P4 status from "Y" to "SSI&T"
1/4/2011	CER12.1P1	Changed P4 status from "Y" to "SSI&T"
1/17/2011	CER7.3.1P1, CER10.0P3, CER7.2.1, CER10.0P1, CER10.0P2	Changed P4 status from "SSI&T" to "Y"
1/31/2011	CER7.3.1P1, CER10.0P3	Changed P4 and P6 statuses from "SSI&T" to "Devel"
2/16/2011	CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 CER3.1P1, 3.2P1 CER4.1-4.1P6, 2P4, 2P5, 3P3 CER4.5-6.1P4, 1P5, 2P3, 4P2	Changed "new" Wrapper status from "N" to "Devel"

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 <sup>1</sup>	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 <sup>1</sup>	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		