

January 19, 2011 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 01/19/11
Active Requests in order of priority as of 01/18/11**

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	
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 SCCR 753	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	HOLD – Pending corrected input data from GMAO for 6/1/10 forward
PR 1-10 SCCR 753	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	
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	Ready Priority Level 1
PRs 108-10 thru 110-10 SCCR 789	Aqua XTrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	1/06, 5/06 – 12/07	Ready Priority Level 1
PR 98-10 SCCR 794	FM3	Edition3A	SAH	5.0P2	1/06, 7/06-12/07	Ready Priority Level 1
PRs 164-10 thru 169-10	Merged	Edition3A	TSI	10.0P3, 7.3.1P1	7/02 - 2/10	In progress Priority Level 1
PRs 173-10- 175-10, 183-10 (Excel Only) SCCR 804 797	Merged	Edition3A	SYNI	7.2.1P1	7/02 – 12/07	Ready Priority Level 1
PRs 120-10 thru 122-10 SCCR 789	Terra XTrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	11/05 – 7/06	Ready Complete thru 2/06 Priority Level 1
PRs 11-11 thru 24-11 SCCR 690	FM3 FM4	Edition1-CV Ed1-CV- NoSW	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	7/10 – 10/10	Pending PR Review No new software Will later be standing PRs Priority Level 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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
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 st 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

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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
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 - 3/1/10 7/1/10	In progress NOTE: Priority will be lower for post-3/1/10 dates Priority Level 3
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 - 3/1/10 7/1/10	In progress NOTE: Priority will be lower for post-3/1/10 dates Priority Level 3
PR 47-09 SCCR 685	FM3, FM4	Edition2D/ Ed2D-NoSW	SFC	9.2P1 9.3P1 9.4P1	11/30/07 - 3/1/10 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 - 2/28/10 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 - 2/28/10 6/30/10	Pending further input for 3/10 NOTE: Priority will be lower for post-3/1/10 dates Priority Level 3

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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 04-11, 03-11	Terra XTrk	Edition3A	TSIB	10.0P3 7.3.1P1	03/2000 – 06/2002	Priority level 3
PR 02-11	Terra XTrk	Edition3A	SYNI	7.2.1P1	03/2000 – 06/2002	Priority level 3
PRs 83-10, 75-10, 91-10 SCCRs 812, 791, 690	FM3	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	4/1/05 – 5/1/06	Complete. 1/14/11 Priority Level 2
* PRs 111-10 thru 113-10 (partial) SCCR 789	Aqua XTrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	7/02 – 4/06 NOTE: Only dates 4/05 thru 4/06 can run at this point)	Complete. 1/16/11 7/02 thru 3/05 will process later Priority Level 2
PR 99-10 SCCR 794	FM3, FM4	Edition3A	SAH	5.0P2	4/05 – 4/06	Complete. 1/16/11 Priority Level 2
<p>**** The PRs that follow cannot be processed until the PGEs have completed pre-operational testing and been promoted ****</p>						
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 188-10 thru 191-10	Merged	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/02 – 12/07	Pending Promotion

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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	Pending promotion
PRs 28-11 thru 31-11	FM1, FM2	Edition1-CV	SSFI	4.1-4.1P4 4.1-4.2P2 4.1-4.2P3 4.1-4.3P2	7/10 thru 10/10	
PRs 25-11 thru 27-11 SCCR 782	FM1, FM2	Edition1-CV	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	7/10 thru 10/10	Pending promotion and ValR15 approval
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 05-11 thru 09-11 SCCR 755	FM1, FM2, FM3, FM4	ValR22	BDS	1.1P8 1.2P1	9/02 11/04 4/09	Pending Promotion
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 10-11 SCCR 749	CERES		MOA	12.1P2	2/28/2000 – 3/1/2010	Pending Promotion and ValR4xxxx testing
PR 01-11	Terra XTrk	Edition3A	SYN1deg products	8.1P1	03/2000 – 06/2002	Pending Promotion Priority level 3

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**** 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 forward FM4: 4/05 forward	

Table 2. January 19, 2011 - System Issues and Status

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> • No activity. (Miller)
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) • Installed the CERESlib delta delivery (SCCR 820) on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>, and released it to the ASDC on January 7. Also provided information concerning the update to the CERES environment script due to this delivery. (Ayers) • Updated Perl_Lib on <i>AMI-P</i> to include the additional changes documented in SCCR 807 on January 7. These updates were provided to the ASDC on January 7. (Ayers) • Installed the Regrid MOA delta delivery (SCCR 821) on <i>magneto</i>, and released it to the ASDC on January 11. (Ayers) • Updated the Promoted Directories document with modifications for Instrument, TISA Averaging, and CERESlib, and provided the document to the ASDC on January 11. (Ayers) • Installed the Synoptic SARB delta delivery (SCCR 822) on <i>magneto</i>, and released it to the ASDC on January 14. (Ayers) • Operator’s Manuals for the following subsystems were updated, posted on the Web, and provided to the ASDC: Regrid MOA, TISA Averaging, and Synoptic SARB. (Saunders) • The TISA Averaging Test Plan was updated, posted on the Web, and provided to the ASDC. (Saunders) • Installed TISA Averaging (SCCR 795) on <i>AMI-P-P6</i>, compiled, and tested it, and released it to the ASDC on January 18. (Cooper) • Added the Promotion Priorities document to the CPOB Meeting Web page. (Saunders, Ayers)
<i>AMI</i> Job Submission Scripts – Phase 1	Ayers (Grepitotis)	<ul style="list-style-type: none"> • The scripts for Clouds PGEs 4.1-4.1P6, 4.1-4.2P5, 4.1-4.2P4, and 4.1-4.3P3 are being tested by the subsystem. (Hillyer) • Development continues on the scripts for ERBE-like PGEs 2.1P1, 2.2P1, 2.4P1, 3.1P1 and 3.2P1, TISA Gridding PGE 9.0P0, Inversion PGEs CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3 and CER4.5-6.4P2. (Grepitotis, Hillyer)

Table 3. CERES Subsystem Delivery Schedule – January 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	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>
GGEO		December		Beta1-Edition4 GGEO delivery.			AMI-P6
CERESlib	January 7	January 21	January 28	Clouds updates.			<i>AMI-P6, AMI-x86, & magneto-P4</i>
Clouds (SCCR 809)	January 7	January 21	January 28	Terra and Aqua Beta1-Edition4 . PGEs CER4.1-4.1P6, CER4.1-4.2P5, CER4.1-4.2P4, and CER4.1-4.3P3.			<i>AMI-P6</i>
ERBE-like (SCCR 740)	January 14	January 28	February 4	Delivery of all ERBE-like PGEs to <i>AMI</i> . (Edition2/Edition3)			<i>AMI-P6</i>
TISA Gridding (SCCR 765)	January 28	February 11	February 18	Beta1-Edition2 ISCCP-D2like-FlxDay/Nit (PGE CER9.0P0).		X	<i>AMI-P6</i>
Inversion (SCCR 814)	February 4	February 18	February 25	Terra and Aqua Beta1-Edition4 . PGEs CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3 and CER4.5-6.4P2.			<i>AMI-P6</i>
Instrument		March 2011		Build corrects all NPP errors found so far. Last Build before launch freeze date. Might not be needed. Includes pre-processor.			AMI-P6

Table 3. CERES Subsystem Delivery Schedule – January 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)
Instantaneous SARB		Spring 2011		Beta1-Edition4 CRS.			AMI-P6 & AMI-x86
Instrument (SCCR 641)		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	<i>magneto-P4</i>

SCF Processing

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

Table 4. CERES Coefficients Delivery Schedule – January 2011

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
		Nothing scheduled at this time.			

Table 5. SCCR Activity January 3 at 4:00 p.m. – January 19 at 11:00 a.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
796				X		TISA Averaging		
797				X		Synoptic SARB		
799				X		GGEO		
803				X		Synoptic SARB		
807		X	X			Perl_Lib	13	
817				X		TISA Gridding		
822	X		X			Synoptic SARB	16	
823	X					Inversion	17	
824	X					Inversion	19	
825	X					Clouds	20	CERESlib modifications

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

CERES Software Configuration Change Request Submittal

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Subsystem: Perl_Lib

SCCR Date: 09/08/2010

SCCR Number: 807

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Added the function submit to the module SGE_Utils. This function submits a job to Sun Grid Engine via the qsub command. Previously this function existed in all of the subsystem level rcf/ directories. Also added POD documentation for the PathUtils, SGE_Utils, and PCF_Env modules.

Reason for Change (non-Science):

Moving the submit functionality from the subsystem level to the project level for the SGE scripting task.

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: a day

Planned Delivery Date: 9/8/2010

List Affected Subsystems and PGE Names: All

Date: 09/10/2010 Status: Approved

Originator: MAGILL, BRIAN E. (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 807:

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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):
Added the Archive_Utils.pm Perl module. This module handles directory and file access for CERES products existing in DPO structure.

Updated Pcf.pm to handle custom instance types, in addition to "Optional" and "Mandatory", when producing a PCF.

Added "Print_User_Param" subroutine to Pcf.pm in order to print user parameter values to the PCF without quotes.

Reason for Change (non-Science):
Extracted directory and file name access to a Perl module that conforms to DPO standards.

Added ability to support additional instance types for PCF input files.

Added ability to print user defined parameters to PCF without quotes surrounding value.

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: 11/2/2010
List Affected Subsystems and PGE Names: All

Date & Time: 2010-11-02 16:46:14

Originator: HILLYER, THOMAS N. (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):
Added reset() subroutine to Pcf.pm.

Added getCPUYPE() subroutine to SGE_Utils.pm.

Added Is_Leap_Year() subroutine to Dates.pm.

Modified Dates.pm to use the Is_Leap_Year() subroutine internally.

Reason for Change (non-Science):
reset() allows the user to reset persistent global variables in the Pcf module. This is necessary when a single instance of Perl is used to generate more than one PCF.

getCPUYPE() returns a string to the caller providing the blade's architecture type. This subroutine provides the same value that would be given by the \$CPUYPE environment variable on an interactive blade.

Is_Leap_Year() returns a boolean value: 1 if the year passed to the subroutine is a leap year, or 0 if the year is not a leap year. This subroutine can be used externally by a PGE's Perl SGE scripts.

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: 1 Day
Planned Delivery Date: 1/7/2011
List Affected Subsystems and PGE Names: All

Date & Time: 2011-01-07 10:35:13

Originator: HILLYER, THOMAS N. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: SynSARB SCCR Date & TIME: 2011-01-14 10:54:11 SCCR No.: 822

Parameter Change: () YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
(Req# 7.2-1.32)
The ascii file generator `ascii_gen_7.2.1P1` on `magneto` has an error in the use of collection 4 MATCH vs. collection 5 MATCH. This delivery will be to `magneto`.

Reason for Change (non-Science):
(Req# 7.2-1.32)
This error causes the wrong MATCH collection to be written to the PCF when running the first 4 months for data years from 2007 forward.

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:
7.2.1P1

Estimated Time to Complete Change: 1 day
Planned Delivery Date: Jan 14, 2011
List Affected Subsystems and PGE Names: 7.2.1P1

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: Inversion

SCCR Date: 01/18/2011

SCCR Number: 823

Parameter Change: () YES (X) NO

Description of Change (Science):

Inversion requirement: 4.5-34

Updated Surface algorithms for CERESlib Edition4:

surf_lw_model_a

surf_lw_model_b

surf_sw_model_a

surf_sw_model_b

Added new surface algorithms for CERESlib Edition4:

surf_lw_model_c

tsconstrain

Updated surface typedefs for CERESlib Edition4:

surf_typdef

Updated Validation site list for CERESlib

Edition4:

ceres_valregions

Reason for Change (Science):

Implement new and updated surface algorithms and support modules for Edition4.

Description of Change (non-Science):

None.

Reason for Change (non-Science):

None.

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: CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3, CER4.5-6.4P2

Estimated Time to Complete Change: 1 day

Planned Delivery Date : January 28, 2011

List Affected Subsystems and PGE Names: Inversion CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3
and CER4.5-6.4P2

Date: 01/18/2011 Status: Submitted

Originator: SOTHCOTT, VICTOR E. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: Inversion SCCR Date & TIME: 2011-01-18 15:46:06 SCCR No.: 824

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

The 5 record SSF sample read package will be submitted for Aqua and Terra Edition3A SSF's. This version contains no changes in SSF SDS names.

Reason for Change (non-Science):

Release of Terra Edition3A (SCCR 811) and Aqua Edition3A/Ed3A-NoSW (SCCR 812) requires a review of the read package and update of the readme. (Req. 4.5-35)

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:

CER4.5-6.5.4 and CER4.5-6.5P5

Estimated Time to Complete Change: 2 days

Planned Delivery Date: 1/21/2011

List Affected Subsystems and PGE Names: Inversion CER4.5-6.5P4 and CER4.5-6.5P5

Originator: SOTHCOTT, VICTOR E. (SSAI)

CERES Software Configuration Change Request Submittal

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

Subsystem: Clouds4.1-3 SCCR Date & TIME: 2011-01-19 09:50:06 SCCR No.: 825

Parameter Change: (X) YES () NO

Description of Change (Science):

The `ssf_typdef` was updated to reflect that ice radius will be supplied instead of ice diameter for all wavelength references.

Also, clouds will be using 1.24 micron radiances instead of 1.60 for optical depth and particle size. (4-11.1 and 4-11.2)

Reason for Change (Science):

Clouds has implemented an algorithm change that produces ice radius that makes our results more comparable to the community.

Since 1.60 radiances are noisy on Aqua, 1.24 will allow similar information to be provided for both Terra and Aqua.

Description of Change (non-Science):

1.) The `ssf_typdef_Ed4`, `ssfa_typdef_Ed4`, `ssfqc_typdef_Ed4`, and `imager_cal_data_Ed4` were all updated to reference Ed4 instead of Ed3. (4-10)

2.) The `read_ies` module was updated to reference FM5 and NPP. (4-11.3)

Reason for Change (non-Science):

1.) The existing modules were created when the output was going to be referred to as Edition3. A change in production planning has resulted in these output being referred to as Edition4. To prevent confusion between the Edition3 products that will not use these modules and Edition4 that will, references to Ed3 were changed to Ed4.

2.) The header for NPP IES will now translate to FM5 and NPP for instrument and satellite respectively.

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

SSF-105 Mean ice particle effective radius for cloud layer (3.7)

SSF-106 Stddev of ice particle effective radius for cloud layer (3.7)

SSF-108 Mean water particle radius for cloud layer (1.2)

SSF-109 Mean ice particle radius for cloud layer (1.2)

SSF-110 Mean logarithm of visible optical depth for cloud layer (1.2)

SSF-110b Mean ice particle effective radius for cloud layer (2.1)

SSF-114j Mean ice particle effective radius for Multilayer (3.7)

SSF-114l Mean ice particle effective radius for Multilayer (2.1)

Reason for Parameter Change:

SSF-105, SSF-106, SSF-109, SSF-110b, SSF-114j, and SSF-114l were changed from diameter to radius.

SSF-108, SSF-109, and SSF-110 (1.6) was changes to (1.2) Both of these changes were to match SSF parameter names to algorithm changes made in clouds.

Affected PGEs in this Subsystem:

CER4.1-4.1P6

Estimated Time to Complete Change: 1 day

Planned Delivery Date: January 21, 2011

List Affected Subsystems and PGE Names: Inversion 4.5-6.1P4, 4.5-6.1P5, and 4.5-6.2P2; SARB 5.0P2 and 7.2.1P1; and TISA 9.2P1 and 9.0P1

Originator: MILLER, WALTER F. (SSAI)

Table 6. January 19, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Grepitotis)	<ul style="list-style-type: none"> • Modified version of the HDF-EOS library containing IBM Power 6 has resolved the issue ERBE-like has been experiencing. This version of HDF-EOS will be installed permanently in TK5.2.16 on AMI. (Hillyer) 	
CERES-lib	Grepitotis (Hillyer)	<ul style="list-style-type: none"> • Applied Edition4 updates to CERESlib. Working with Walt Miller and Victor Sothcott to integrate Edition4 code. (Hillyer) • Working on improved interface for retrieving the disk quota information for GPFS arrays. (Hillyer) 	
Perl_Lib	Hillyer (Grepitotis)	<ul style="list-style-type: none"> • Added Is_Leap_Year subroutine to Dates module. (Hillyer) • Added Reset subroutine to Pcf module. (Hillyer) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> • Added new environment variables CPUATYPE and InputArchiveSS to CER1.2P1 and CER1.3P1 for SCCR 716 and CER1.4P1 for SCCR 756. An error in the array size for spaceclamp values in the BDSI created by CER1.3P1 was also discovered and the update to fix this error was made and sent to CERES CM for retesting. (Cooper) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Substituted old environment variable HOSTTYPE for CPUATYPE and tested resulting updated compilation scripts used by PGEs 2.2/2.3/3.1/3.2. Also updated compilation sections of TestPlan from P4 to P6. (Lande) • Updated directory structures from P4 to P6+/CERES in test_suites comparison codes used by PGEs 2.2/2.3/3.1/3.2 to evaluate test plan output products. (Lande) • Updated PCF generators for PGEs 2.2 & 2.3P1/2 to use DPO-like dir structure for SCCD/N inputs from CER2.4P1. (Lande) • Fixed unexpected error found in 3.1P1 compilation script and shared execs with 3.2P1 to improve efficiency. (Lande) • Began working with Nelson to fix ES4 graphics problems in 3.1P1 & 3.2P1 output. Also fixed error 	

Table 6. January 19, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0 (Cont'd)	Walikainen (Lande)	<p>in PCF generator which allowed for Edition1-CV test cases to be run for 3.1P1. (Lande)</p> <ul style="list-style-type: none"> • Created PRs 05-11 through 09-11 for SCCR 755 (1.1P8/1.2P1, ValR22). Also closed and archived PRs 75-10, 83-10, 91-10, 99-10, and 172-10. (Lande) • Updated Test Plan for CER2.4P1. All the test cases work for this PGE as part of SCCR-740. (Walikainen) • Nelson provided a fix for CER2.1P1 to work on <i>AMI</i>. Run script converted to PERL; working on pcf generator script. (Walikainen) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Ed4 effort: Reprocessed the Cloud retrieval images of Terra 20070707, 20071215 and Aqua 20070730 for the latest version of cloud algorithms of Ed4 delivery. They can be viewed through clouds google map. (Chen) • Ed4 effort: Wrote a code to process Ed4 CloudVis data for comparing the Cloud Fraction between Mask and Phase. Results were generated for Terra 20070707, and 20070730. (Chen) • NEWS: Finished processing April, May, and June of 2007 NEWS data with RelB1 version and the corresponding QC plots were processed and can be viewed on the Web. (Chen) • Ed4 effort: Working on testing and documentation of new Clouds scripts. (Smith) • Ed4 effort: Making necessary updates to validation software to work better with new run scripts. (Smith) • Ed4 effort: Adding new sections to Operators Manual and Test Plan for using new scripts. (Smith) • Ed4 effort: Testing updates to new scripts. (Smith) • Ed4 effort: Finalizing and cleaning up Clouds Ed4 code. (Sun-Mack) 	

Table 6. January 19, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Worked on replies and answers for the reviews of two cloud retrieval papers as well as the revisions of the papers. (Sun-Mack) • Working on additional functions in CloudVis dx packet. (Gibson) • QC global images and statistics were produced for Terra Edition2B-QC from 201003 through 201006. FLASHFlux QC global images and statistics were produced for December 2010. Results were posted on the Web. (Brown) 	
4.2	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.3	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.4	Miller (Antropov)	<ul style="list-style-type: none"> • Modified convolution software to use new variable names. (Antropov) (Edition4) • Modified SSF and SSFA compare software to use Edition4 type definitions. (Miller) (Edition4) • Delivered and tested new CERESlib Edition4 modules. (Miller) (Edition4) • Created 14 hours of SSF from new cookie dough. (Miller) (Edition4) • Pulled additional FM2 GQCI files. (Miller) (Edition2) 	
4.5	Sothcott	<ul style="list-style-type: none"> • Continued work on Inversion Edition4 delivery. Completed updates and testing using the new typedefs and the new validation sites. (Sothcott) • Delivered the SOFA algorithms to CERESlib. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> • Delivered correction to 7.2.1P1 ascii generator concerning MATCH file collections (SCCR 822). (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • Creating off-line validation code for MERRA data for Seiji Kato. (Caldwell) 	

Table 6. January 19, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> No new updates. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> Provided support for CM testing for SCCR 795. Providing Dave Doelling with plots as requested. (Lock) 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> Made correction to the clear-sky daily averages of the TOA fluxes. Added out-of-range data check after reading SSF daily. Ran 2 months of data for Cristian to put in the Web page for Dave to view the data. Waiting for Dave's approval. (Nguyen) Working on updating the SRBAVG code to produce non-GEO and GEO monthly, daily, and monthly-hourly SRBAVGS. (Nguyen) 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> No new updates. (Raju) 	
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> PGE 9.0P2 and 9.0P3 scripts were updated according to the new requirements. Scripts were tested successfully and sent them to CERES CM as part of SCCR 763. (Raju) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> Work continued to test 5-channel cloud retrieval GOES-12 and GOES-11 files through PGE 11.2P2 1-Hourly GGEO. (Raju) 	

Table 7. January 19, 2011 – DM Tasks

Activity	Status
Code Optimization (Coleman)	<ul style="list-style-type: none"> • No new updates.
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Updated the Ops. Concept Doc., project schedule, draft test plan, and test cases. (Parrish) • Developed the feedback form for the PR Database and Web Interface tool. (Parrish) • Performed testing of the PR Database Web pages and identified issues and proposed enhancements and tracked known issues. (Parrish) • Continued developing the Product Request tool query and search functionality in preparation for the demo of the PR Tool. (Heckert) • Presented the demo for the new Product Request tool, query and search result functions. (Heckert) • Presented demo of unrestricted, general query of the PR Database and a very brief overview of the top-level overall plan. (Heckert, Coleman) • Continued developing prototype of job submittal scripts, specifically the feature requested by the ASDC that displays the status of submitted jobs. (Magill)
Ordering Tool (Kizer)	<ul style="list-style-type: none"> • No report received.

Table 8. January 19, 2011 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none">• Coordinated proxy data for September 6, 2002 and researched SOE data for Plantinum data set. (Miller)• Researched about requested RIPs and CrIS SDRs for clouds processing. (Miller)

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							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) ⁷	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	N		
ERBE-like - 2	CER2.1P1	Y	Y	16	Devel	16	Devel	16	N	
	CER2.2P1	Y	Y	15	Devel	16	Devel	16	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Y	Y	16	Devel	16	Devel	16	N	
	CER2.3P2	Y	Y	16	Devel	16	Devel	16	N	
	CER2.4P1	Y	Y	16	Devel	16	Devel	16	N	
ERBE-like - 3	CER3.1P1	Y	Y	16	Devel	16	Devel	16	N	
	CER3.2P1	Y	Y	16	Devel	16	Devel	16	N	

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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	<i>warlock</i> 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	<i>warlock</i> version recompiled for 2008 Edition2, Use P4 for 3/10 forward
	CER4.1-4.1P6	N	Y	16	Devel	16	N	N/A	N	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	N	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	N	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	N	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	N	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	Y	16	Devel	16	Devel	16	N	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	N	Subset postproc for Terra and Aqua (Ed4 version of 2P2)
	CER4.5-6.2P4	N	Y	16	N	N/A	N	N/A	N	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	N	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>	

Table 1: PGE Current Events Status Table

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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) ⁷	Comments
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	N	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	Y	16	SSI&T	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	N	
	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	Y	16	SSI&T	16	N	N/A	SSI&T	New PGE for Edition3

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GGEO - 11	CER11.1P10	N	Y	16	Devel	16	Devel	16	N	
	CER11.2P2	N	Y	16	Devel	16	Devel	16	N	
	CER11.4P1	N	Y	16	Devel	16	Devel	16	N	
	CER11.6P1	N	Y	16	Devel	16	Devel	16	N	
	CER11.7P1	N	Y	16	Devel	16	Devel	16	N	
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:		
¹ 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
² Prod. Platform	SGL	warlock
	P4	Magneto - IBM P4
	P6	AMI - IBM P6
	X86	AMI - IBM X86
⁷ "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 ¹ ? (Y/N)
BDS	Instrument	Archival	N
ES-8	ERBE-like	Archival	N
ES-9	ERBE-like	Archival	N
ES-4	ERBE-like	Archival	N
SSF	Inversion	Archival	Y
CRS	SARB	Archival	Y
FSW	TISA-Gridding	Archival	Y
SYN	TISA-Averaging	Archival	Y
AVG	TISA-Averaging	Archival	Y
ZAVG	TISA-Averaging	Archival	Y
SFC	TISA-Gridding	Archival	Y
SRBAVG	TISA-Averaging	Archival	Y
ISCCP-D2like-Day/Nit	TISA-Gridding	Archival	Y
ISCCP-D2like-GEO	TISA-GGEO	Archival	Y
INSTR	Instrument	Internal	N/A
IES	Instrument	Internal	N/A
EID-6	ERBE-like	Internal	N/A
CRH	Clouds	Internal	N/A
GGEO	TISA	Internal	N/A
MOA	SARB	Internal	N/A
CID-VIRS	Clouds	Ext. Input	N/A
CID-MODIS	Clouds	Ext. Input	N/A
SURFMAP	Clouds	Ext. Input	N/A
GEO	TISA	ValRx	N/A
APD	SARB	Ext. Input	N/A
GAP	SARB	Ext. Input	N/A
MWH	SARB	Ext. Input	N/A
OPD	SARB	ValRx	N/A

¹ Sample Read Package README files: References to URL <http://asd-www.larc.nasa.gov/ceres/ASDceres.html> need to be updated to <http://science.larc.nasa.gov/ceres>

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

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"

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

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

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

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