

June 2, 2010 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 06/01/10
Active Requests in order of priority**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
M-PR 3-02		NSIDC- NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	
M-PR 1-09		NSIDC- NESDIS	EICE ESNOW 16 th mesh	4.1-4.0P2	Standing Request	
Standing requests AM- PR 1-05 to 7-05	Terra	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests AM- PR 1-00 to 7-00.
Standing requests PM-PRs 15-05 to 18-05	FM3	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 1-05 to 4-05.
Standing requests PM-PRs 11-05 to 14-05	FM4	Ed1-CV- NoSW	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 7-05 to 10-05.
M-PR 2-10 SCCR 753	CERES	DAO-G5- CERES	MOA	12.1P1	Standing request	

Table 1: Process Strategy/Coleman as of 06/01/10
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 1-10 SCCR 753	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	
PR 44-09 SCCR 741	FM1, FM2, MODIS V005	Edition2B- QC	SSFI	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/08 – 1/1/09 1/1/08 – 1/1/10 1/1/08 - 3/1/10	In progress
PR 43-09 SCCR 690	FM1, FM2	Edition2G	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/08 – 1/1/09 1/1/08 – 1/1/10 1/1/08 - 3/1/10	In progress
PRs 127-09, 128-09	FM1, FM2	Edition3	BDS, IES	Instrument and ERBE	12/2/04 – 2/1/09	In progress
PR 42-09 SCCR 685	FM1, FM2	Edition2G	SFC	9.2P1 9.3P1 9.4P1	1/1/08 – 1/1/09 1/1/08 – 1/1/10 1/1/08 - 3/1/10 hr 11	In progress
PR 49-09	FM3, FM4, MODIS V005	Edition2C	SSFI	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/08 – 1/1/09 1/1/08 – 1/1/10 11/30/07 - 3/1/10	Ready - process 1 st month and wait for SS checkout
PR 48-09 SCCR 690	FM3, FM4	Edition2D/ Ed2D-NoSW	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	1/1/08 – 1/1/09 1/1/08 – 1/1/10 11/30/07 - 3/1/10	Ready - process 1 st month and wait for SS checkout
PR 140-09 SCCR 736		Edition2A	ISCCP- D2like- GEO	11.7P1	3/2000 – 12/08	Ready
PR 47-09 SCCR 685	FM3, FM4	Edition2D/ Ed2D-NoSW	SFC	9.2P1 9.3P1 9.4P1	1/1/08 – 1/1/09 11/30/07 - 3/1/10 hr 11	Pending SSF input
PR 46-09	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P1	1/1/08 – 12/31/08 12/1/07 - 2/28/10	Pending SSF input - process 1 st month and wait for SS checkout
PR 45-09 SCCR 685	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	1/1/08 – 12/31/08 12/1/07 - 2/28/10	Pending input
PRs 9-10 thru 10-10	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	3/2000 – 10/05	Pending ValR1 approval

**Table 1: Process Strategy/Coleman as of 06/01/10
Active Requests in order of priority**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 7-10 thru 8-10	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	7/2002 – 10/05	Pending ValR1 approval
PR 60-09 SCCR 653		Edition2A	GGEO	11.1P10	11/05 – 6/09 11/08	Pending Beta10 approval
PR 59-09 SCCR 653		Edition2A	GGEO	11.2P2	11/05 – 6/09 11/08	Pending Beta10 approval
PR 58-09 SCCR 653		Edition2A	GGEO	11.6P1 11.4P1	11/05 – 6/09 11/08	Pending Beta10 approval
PR 76-09 SCCR 718	FM1	Edition2G	SAH	5.0P2	1/08 – 12/08	Pending input data
PR 73-09 SCCR 718	FM3	Edition2D	SAH	5.0P2	1/08 – 12/08	Pending input data
PR 90-09 SCCR 727	FM1, FM2	ValR14	SRF	2.4P1	9/07 – 11/07	Done. 5/26/10
PRs 38-10 thru 45-10	FM1, FM2, FM3, FM4	Edition2	IES, BDS, ES8, ES4, ES9	Instrument and ERBE-like Edition2	10/2/09 – 3/1/10	Done. 5/26/10
PRs 96-09 SCCR 726		ValR14	ERBE-like snow	2.1P1	9/09 – 11/09	Done. 5/26/10
PR 95-09 SCCR 727	FM3, FM4	ValR14	SRF	2.4P1	9/07 – 11/07	Done. 5/26/10
<p>**** The PRs that follow cannot be processed until the PGEs have completed the delivery and testing phases. ****</p>						
PR 86-09 SCCR 735	FM1, FM2	ValR14	ES4, ES9	3.1P1	10/07	In Pre-Op testing
PR 86a-09 SCCR 735	FM1+ FM3	ValR14	ES4, ES9	3.2P1	10/07	In Pre-Op testing
PR 91-09 SCCR 735	FM3, FM4	ValR14	ES4, ES9	3.1P1	10/07	In Pre-Op testing
PRs 138-09, 139-09 SCCR 746	FM1, FM2, FM3, FM4	ValR1	ISCCP-D2like-Day/Nit	9.0P1	7/02 – 4/03 Seasonal Months only	In Pre-Op testing

Table 1: Process Strategy/Coleman as of 06/01/10
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 5-10 thru 6-10 (in development)	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	11/05 – 12/09	Pending input data and ValRx approval
PRs 3-10 thru 4-10 (in development)	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	11/05 – 12/09	Pending input data and ValRx approval
PRs 16-10 SCCR 749	CERES	ValR4x86-Ed3	MOA	12.1P2	7/04	Pending redelivery
PR 15-10 SCCR 749	CERES	ValR4p6-Ed3	MOA	12.1P2	7/04	Pending redelivery
PR 37-10 SCCR 749	CERES	ValR4x86-Ed2	MOA	12.1P1	7/04	Pending redelivery
PR 36-10 SCCR 749	CERES	ValR4p6-Ed2	MOA	12.1P1	7/04	Pending redelivery
PR 94-09 SCCR 734	FM3, FM4	ValR14	ES8	2.2P1	9/07 – 11/07	Delivered
PR 93-09 SCCR 734	FM3, FM4	ValR14	ES8	2.3P1	9/07 – 11/07	Delivered
PR 92-09 SCCR 734	FM3, FM4	ValR14	ES8	2.3P2	9/07 – 11/07	Delivered
PR 89-09 SCCR 734	FM1, FM2	ValR14	ES8	2.2P1	9/07 – 11/07	Delivered
PR 88-09 SCCR 734	FM1, FM2	ValR14	ES8	2.3P1	9/07 – 11/07	Delivered
PR 87-09 SCCR 734	FM1, FM2	ValR14	ES8	2.3P2	9/07 – 11/07	Delivered
PRs in development	FM1, FM2, FM3, FM4	Edition2x	TSI, SYNI, SYN/AVG /ZAVG	7.1P1 7.2P1 8.1P1	11/05 – 12/08	Pending GGEO/SRBAVG processing
PRs 136-09, 137-09 SCCR 746	FM1, FM2, FM3, FM4	Edition2	ISCCP-D2like-Day/Nit	9.0P1	Launch thru 9/09	In Pre-Op testing

Table 2. June 2, 2010 - System Issues and Status

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> • Discussed standardization of exit code for PGEs. • Reviewed status of previous topics • Approved removal of /QA as an archive location since DPO will meet that need.
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> • See Table 3 for the current CERES Subsystem Delivery Schedule and Table 4 for the current CERES Coefficients Delivery Schedule. (Ayers) • See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers) • The GGEO delta delivery associated with SCCR 785 was installed on <i>magneto</i> and released to the ASDC on May 20. (Ayers, Saunders) • Updated files for Instrument CER1.1P7 (SCCR 717) were installed on <i>AMI</i>. The delivery was retested and provided to the ASDC on May 21 for further testing. (Ayers) • The Instrument Test Plan and Inversion Operator's Manual were updated, posted on the Web, and provided to the ASDC. (Saunders) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders)
AMI Job Submission Scripts – Phase 1	Ayers (Magill)	<ul style="list-style-type: none"> • Detailed information about the log files that are being created by the new scripts was provided to the ASDC for review. (Ayers, Magill, Grepiotis) • Development continued on the <i>AMI</i> job submissions scripts for Instrument 755 and 756. (Magill, Grepiotis)

Table 3. CERES Subsystem Delivery Schedule – June 2010
(Next Science Team Meeting: September 13 – 16, 2010, in Paris, France)
(NPP Launch Date: September 22, 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 (SCCR 731)	October 23	November 6 On Hold	February 12	Build that runs full Terra/Aqua Baseline1-QC and Edition1-CV . PGE 1.1P8 (C++).			<i>AMI-P6</i>
ERBE-like (SCCR 734)	February 26	April 9 In CM Queue	April 16	Delivering the remaining Subsystem 2 PGEs with updates for crosstrack. (Edition2/Edition3)	X		<i>magneto-P4</i>
Instrument (SCCR 755)	May 7	May 28	June 4	Updates to PGE 1.1P8 for Terra/Aqua (Edition1-CV) and NPP . (C++)			<i>AMI-P6</i>
Instrument (SCCR 756)	January 29	May 28	June 4	New C++ CER1.4P1 (formerly CER1.3P1) for Terra, Aqua, and NPP with AMI job submission scripts.		X	<i>AMI-P6</i>
GGEO (SCCR 787)	May 21	June 4	June 11	Updates for PGEs 11.1P10 and 11.2P2 for Edition2 .			<i>magneto-P4</i>
Inversion (SCCR 786)	May 21	June 4	June 11	New PGEs CER4.5-6.5P4 and CER4.5-6.5P5 for Edition3 .		X	<i>magneto-P4</i>
Instrument (SCCR 770)	May 28	June 11	June 18	New C++ Gain Analyzer CER1.4P2 (Formerly CER1.3P2) for Terra, Aqua, and NPP .		X	<i>AMI-P6</i>
TISA Gridding (SCCR 763)	June 4	June 18	June 25	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>

Table 3. CERES Subsystem Delivery Schedule – June 2010
(Next Science Team Meeting: September 13 – 16, 2010, in Paris, France)
(NPP Launch Date: September 22, 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)
CERESlib	June 11	June 25	July 2	TISA Gridding modifications.			<i>AMI-P6, AMI-x86, & magneto-P6</i>
TISA Gridding (SCCR 789)	June 11	June 25	July 2	New PGEs CER9.2P2, CER9.3P2, and CER9.4P2 for Edition3 .	X	X	<i>magneto-P4</i>
ERBE-like (SCCR 740)	June 11	June 25	July 2	Delivery of all ERBE-like PGEs to <i>AMI</i> . (Edition2/Edition3)			<i>AMI-P6</i>
Clouds	July 9	July 23	July 30	Terra and Aqua Edition3 .			<i>AMI-P6</i>
TISA Averaging (SCCR 766)	July 23	August 6	August 13	SRBAVG-nonGEO Beta2-Edition3 . New PGE for the subsetter code.		X	<i>AMI-P6</i>
CERESlib	August 6	August 20	August 27	Inversion updates.			<i>AMI-P6, AMI-x86, & magneto-P6</i>
Inversion	August 6	August 20	August 27	Terra and Aqua Edition3 .	X		<i>AMI-P6</i>
Instrument	August 6	August 20 (Launch – 13 months)	August 27	Build corrects all NPP errors found so far. Last Build before launch freeze date. Might not be needed. Includes pre-processor.			<i>AMI-P6</i>
TISA Gridding (SCCR 765)	August 13	August 27	September 3	Beta1-Edition2 ISCCP-D2like-FlxDay/Nit (PGE CER9.0P0).		X	<i>AMI-P6</i>

Table 3. CERES Subsystem Delivery Schedule – June 2010
(Next Science Team Meeting: September 13 – 16, 2010, in Paris, France)
(NPP Launch Date: September 22, 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)
GCEO		September		Beta1-Edition3 GCEO delivery.			<i>magneto-P4</i>
Instantaneous SARB	October 29	November 12	November 19	Beta1-Edition3 CRS.			<i>AMI-P6 & AMI-x86</i>
TISA Averaging	November 26	December 10	December 17	SRBAVG-GEO Beta2-Edition3 . Adding Model C surface fluxes and solar insulation.			<i>AMI-P6</i>
Synoptic SARB		Early 2011		Beta1-Edition3 SYNI.			<i>AMI-P6 & AMI-x86</i>
Clouds		???		Support TRMM VIRS-only processing of August 2001 forward.			<i>magneto-P4</i>
Inversion		Two to four weeks after Clouds		Support TRMM VIRS-only processing.			<i>magneto-P4</i>
Instantaneous SARB		???		New PGE to produce MATCH input files. (Edition2)		X	<i>AMI-P6 & AMI-x86</i>
Instrument (SCCR 641)		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	<i>magneto-P4</i>

Table 4. CERES Coefficients Delivery Schedule – June 2010

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
ERBE-like	N/A	June 4		Terra Edition3 spectral response function files for Launch – January 2009.	<i>warlock/ magneto/ AMI</i>
Instrument	N/A	Late July		Aqua Edition3 gain files for Launch – March 2005.	<i>warlock/ AMI</i>
ERBE-like	N/A	Mid-August (Two weeks after associated gains files)		Aqua Edition3 spectral response function files for Launch – March 2005.	<i>warlock/ magneto/ AMI</i>
Instrument/ ERBE-like	N/A	???		TRMM Edition3 gains and spectral response function files.	<i>warlock/ magneto/ AMI</i>

Table 5. SCCR Activity May 18 at 11:00 a.m. – June 1 at 2:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
739		X				9	11	
780		X	X			Perl_Lib	15	
781				X		5		
782			X			4.5 & 4.6		
783					X	Perl_Lib		
784					X	Perl_Lib		
785			X			11		
786	X		X			4.5 & 4.6	20	
787	X					11	21	
788	X					9	22	CERESlib modifications.
789	X					9	23	

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

CERES Software Configuration Change Request Submittal

Subsystem: TISAgird9.0

SCCR Date: 11/03/2009

SCCR Number: 739

Parameter Change: YES NO

Description of Change (Science):

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

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

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

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

Requirement #s 9-2.5,9-3.4

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

Reason for Change (Science):

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

New PGEs are required for Edition3 process.

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

TISA science team has decided to change product name from SFC to SSF1deg-Hour.

Requirement #s 9-2.5,9-3.4

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

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

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

Replace Total-sky reference with All-sky Add Precipitable Water MOA Add Wind Speed MOA Add Estimated Inversion Strength MOA Add CWG Surface Skin Temperature MODIS Add New Cloud Layer (Total Cloud Properties) Add Liquid Particle (3.7), Liquid Particle Radius(2.1), Ice Particle Diameter (3.7), Ice Particle Diameter (2.1) in all 5 cloud layers Remove Vertical Aspect Ratio from all 5 cloud layers.

Add 11 Cloud Overlap Conditions (Clear,Lower,Lower Middle,Upper Middle, High, High over Upper Middle, High over Lower Middle, High over Lower, Upper Middle over Lower Middle, Upper Middle over Lower, Lower Middle over Lower.) Add Surface Flux LW Model C Add Deep blue aerosol optical depth land (0.470) Add Deep blue aerosol optical depth land (0.550) Add Deep blue aerosol optical depth land (0.659) Add Solution indices ocean small average Add Solution indices ocean large average

Reason for Parameter Change:

All changes are included in the Edition3 SSF1deg-Hour HDF product.

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

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

Date: 11/25/2009 Status: UNKNOWN

Originator: RAJU, RAJA (SSAI)

=====
ADDITIONAL CHANGES TO SCCR NO. 739:
=====

Parameter Change: (X) YES () NO

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

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

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

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

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and
Description of Parameter Change:
Add Snow/Ice Percentage
Add WN Surface Emissivity
Add MOA Surface Skin Temperature
Add Cos Zenith for GMT hours (needed only for 7.1 not public product)

Reason for Parameter Change:
All changes are included in the Edition3 SSF1deg-Hour HDF product.

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

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

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

Originator: RAJU, RAJA (SSAI)

=====

Parameter Change: () YES (X) NO

Description of Change (Science):

Requirement #:9-2.8

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

Reason for Change (Science):

Requirement # 9-2.8

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

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

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

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem:

CER9.2P2

Estimated Time to Complete Change: Completed

Planned Delivery Date: March 19,2010

List Affected Subsystems and PGE Names: N/A

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

Originator: RAJU, RAJA (SSAI)

=====

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Disapprove SCCR 739.

Reason for Change (non-Science):

The delivery of PGEs CER9.2P2, CER9.3P2, CER9.4 to process Edition3 products on AMI was cancelled.

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:

N/A

Estimated Time to Complete Change: N/A

Planned Delivery Date: N/A

List Affected Subsystems and PGE Names: N/A

Date & Time: 2010-06-01 15:09:36

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Perl_Lib SCCR Date & TIME: 2010-04-20 16:48:38 SCCR No.: 780

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Created the module PathUtils. It contains the function parentDir, which finds parent, grandparent, etc. directories for a given directory without changing directories.

Reason for Change (non-Science):

Simplifies coding.

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: April 20, 2010

List Affected Subsystems and PGE Names: All

Originator: MAGILL, BRIAN E. (SSAI)

ADDITIONAL CHANGES TO SCCR NO. 780:

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Created the module PathUtils. It contains the function parentDir, which finds parent, grandparent, etc. directories for a given directory without changing directories.

Modified the function Pcf::Print_Log so that the phrase "--NONE--" is printed under the headers for used, missing optional, and missing mandatory files when there are no entries present. Also added headers to all scripts with the script name, author, creation date, and purpose.

Added module SGE_Utils.pm to Perl_Lib. Currently it contains the function sgeLogHeader which prints the SGE job id, job name, and job node to STDOUT.

Reason for Change (non-Science):

Use of PathUtils::parentDir simplifies coding.

SSIT requested the changes to Pcf::Print_Log to increase the readability of the PCF log files. Headers were added for documentation purposes.

sgeLogHeader will be used to write headers to SGE log files.

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: April 20, 2010

List Affected Subsystems and PGE Names: All

Originator: MAGILL, BRIAN E. (SSAI)

=====

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Created the module PathUtils. It contains the function parentDir, which finds parent, grandparent, etc. directories for a given directory without changing directories.

Modified the function Pcf::Print_Log so that the phrase "--NONE--" is printed under the headers for used, missing optional, and missing mandatory files when there are no entries present. Also added headers to all scripts with the script name, author, creation date, and purpose.

Added module SGE_Utils.pm to Perl_Lib. Currently it contains the function sgeLogHeader which prints the SGE job id, job name, and job node to STDOUT.

Modified pcf_env_p6.pl and pcf_env_x86.pl so that the values of CERESHOME, CERESLIB, and PGSCONSDIR in the vault hash are now determined by the environmental variable CERESHOME. Also added the key PGS_PC_INFO_FILE to pcf_env_p6.pl.

Reason for Change (non-Science):

Use of PathUtils::parentDir simplifies coding.

SSIT requested the changes to Pcf::Print_Log to increase the readability of the PCF log files. Headers were added for documentation purposes.

sgeLogHeader will be used to write headers to SGE log files.

The values that CERESHOME, CERESHOME, CERESLIB, and PGSCONSDIR were set to in pcf_env_p6.pl and pcf_env_x86.pl were hardcoded to those used by the developers in the DMT. They need to be able to point to the directories used by SSIT and Operations during runtime.

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: April 20, 2010

List Affected Subsystems and PGE Names: All

Date & Time: 2010-05-18 17:34:02

Originator: MAGILL, BRIAN E. (SSAI)

=====

Parameter Change: () YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
Modified Pcf::Print_TK_files so that an there is an optional argument for the path to the files. The default top level path is "~" to conform with the function's previous behavior.

Reason for Change (non-Science):
The top level path had been hardcoded to "~", which can be incorrect, depending upon where the script is that is calling this function.

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: April 20, 2010
List Affected Subsystems and PGE Names: All

Date & Time: 2010-05-27 16:26:11

Originator: MAGILL, BRIAN E. (SSAI)

=====

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 InputFileInfo to the Pcf.pm. This function returns an array of strings containing the status of the input files.

Also added the function CheckFileLog to SGE_Utills.pm. CheckFileLog writes a log file that shows the status of all of the input files and, if there are any output files that need to be cleaned up, it lists them as well. The entries for the subsystem and vault (i.e., Toolkit) hashes will be left out of this file.

Reason for Change (non-Science):

The users and developers need the Check File Log to list any output files that need to be cleaned up as well as any missing input files. The entries in the hash tables will be left out since there is no way to know what CPU the job would've been submitted to and the main users of this file are SSIT and Operations.

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: April 20, 2010

List Affected Subsystems and PGE Names: All

Date & Time: 2010-06-01 13:32:32

Originator: MAGILL, BRIAN E. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Inversion SCCR Date & TIME: 2010-05-20 09:04:30 SCCR No.: 786

Parameter Change: () YES (X) NO

Description of Change (Science):
None.

Reason for Change (Science):
N/A

Description of Change (non-Science):
Create new Alternate Main PGE's for Aqua and Terra, similar to CER4.5-6.3P2 and CER4.5-6.3P3, that will use MOA, Spectral Calibration and Edition2 SSF data for input but also input an Edition3 IES. The Inversion/SOFA algorithms will operate on this new input and output an Edition3 SSF which will continue to be formatted as an Edition2 SSF. Req. 4.5-25

Reason for Change (non-Science):
These new PGE's will allow for quick use and analysis of the new Edition3 IES data while being able to maintain the Edition2 Cloud and Inversion/SOFA SSF data.

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 weeks
Planned Delivery Date: June 4, 2010
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

Subsystem: GGEO SCCR Date & TIME: 2010-05-27 15:02:44 SCCR No.: 787

Parameter Change: () YES (X) NO

Description of Change (Science):

Requirement # 11-31

Modifications to PGE CER11.1P10 software to process MTS2 satellite data which took over MTS1 much of November 2009 due to problems with MTS1 satellite.

Requirement # 11-32

Updates to PGE CER11.2P2 software to reduce the data gap between satellites for months where GOES-13 is processed.

Reason for Change (Science):

Requirement # 11-31

Software updates are needed to accommodate MTS2 data processing.

Requirement # 11-32

In 12/2008 and 01/2009 months, G-13 satellite replaced G-12 satellite. The days where G-13 was processed showed data gaps in the GGEO product due to satellite position G-13 at 105W, whereas G-12 is at 75W. The post processor software was updated to fill data gap with adjacent satellite data. This modification is needed to continue Edition2 ggeo processing from 12/2008 onwards on P4.

Description of Change (non-Science):

Requirement # 11-33

Updates to CER11.1P10 PCF scripts to process MTS2 data on P4.

Reason for Change (non-Science):

Requirement # 11-33

Scripts are updated to include MTS2 information.

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:

CER11.1P10, CER11.2P2

Estimated Time to Complete Change: Completed.

Planned Delivery Date: June 4, 2010

List Affected Subsystems and PGE Names: Tisa averaging: SS10, SS7.1

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: TISAGrid9.0 SCCR Date & TIME: 2010-05-27 15:42:25 SCCR No.: 788

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

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Requirement # 9-2.9

Updated modules (tisa_grid_type_def_Ed3.f90, sfc_Ed3.f90, sfc_type_def_Ed3.f90, sfc_file_Ed3.f90) in CERESLIB to support Edition3 SSF1deg-Hour process on P4.

Reason for Change (non-Science):

Requirement # 9-2.9

These interface modules are used in both TISA Gridding and TISA Averaging process.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and

Description of Parameter Change:

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem:

CER9.2P2,CER9.3P2,CER9.4P2

Estimated Time to Complete Change: 4 weeks

Planned Delivery Date: June 30, 2010

List Affected Subsystems and PGE Names: Tisa averaging: SS10, SS7.1

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: TISAGrid9.0 SCCR Date & TIME: 2010-05-28 09:08:30 SCCR No.: 789

Parameter Change: (X) YES () NO

Description of Change (Science):

Requirement # 9-2.10

New PGE CER9.2P2 to support Edition3 SSF1deg-Hour process on Magneto. Code is updated to process parameters that are needed for SS7.1.1P1 process.

Requirement # 9-3.5

New PGE CER9.3P2 to support Edition3 post processing on Mangeto.

Requirement # 9-4.5

New PGE CER9.4P2 to support Edition3 HDF processing on Magneto.
Code is updated to generate Daily SSF1deg-Hour HDF product.

Reason for Change (Science):

Requirement # 9-2.10; 9-3.5; 9-4.5

TISA Science team has decided to process Edition3 SSF1deg-Hour versions on Magneto P4. Previously delivered PGEs CER9.2P2, CER9.3P2, CER9.4P2 to process Edition3 versions on AMI P6 were cancelled.

Description of Change (non-Science):

Requirement # 9-2.11

PGE CER9.2P2 PCF script is updated to include X-track files in the PCF for processing.

Requirement # 9-4.6

PGE CER9.4P2 PCF script is updated to change output file names from zonal to daily.

Reason for Change (non-Science):

Requirement # 9-2.11

TISA science team has decided to process X-track data only for Edition3.

Requieiment # 9-4.6

TISA science team has decided to change output product format from zonal to daily.

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

These parameters are only on the Edition3 SSF1deg-HourB binary outputs created from CER9.3P2 post processor. SSF1deg-Hour HDF product do not include them.

1. CosSolarZenithAngle_TSI
2. SW_TOA_ClearSky_TSI
3. LW_TOA_ClearSky_TSI
4. WN_TOA_ClearSky_TSI
5. ALB_TOA_ClearSky_TSI
6. SW_TOA_TotalSky_TSI
7. LW_TOA_TotalSky_TSI
8. WN_TOA_TotalSky_TSI

9. ALB_TOA_TotalSky_TSI

Reason for Parameter Change:

These parameters are needed for SS7.1.1P1 process.

Affected PGEs in this Subsystem:

CER9.2P2, CER9.3P2, CER9.4P2

Estimated Time to Complete Change: 4 weeks

Planned Delivery Date: June 30, 2010

List Affected Subsystems and PGE Names: SS9 and SS10

Originator: RAJU, RAJA (SSAI)

Table 6. June 2, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	(???)	<ul style="list-style-type: none"> No report received. 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> The updated Edition3 gains for Terra from Mar. 1, 2009 thru Feb. 1, 2010 are being validated on the SCF. Once the validation tests are completed, these gains will be delivered to CERES CM. Expected delivery date is June 11, 2010. (Cooper) Aqua Edition3 gains should be available for SCF testing by the end of the week. The testing will begin as soon as the updated gains are OK'd by the calibration team. (Cooper) Continue working with the new SGE scripting team to test the new scripts being developed for each of the Instrument PGEs delivered to <i>AMI</i>. Updates are being made to the scripts as new requirements are coming in from the ASDC. (Cooper) The new SGE scripts for CER1.1P8 are being developed and tested. Updates based on additional requirements requested by the ASDC will be included in the delivery of PGE CER1.1P8. (Grepitotis) PGE CER1.1P8 has been tested successfully for TRMM, Terra, Aqua and NPP. The PGE will be ready to deliver to <i>AMI</i> when the new SGE scripts are completed and tested. (Grepitotis & Timcoe) Delivery priorities for NPP C++ software are being reworked and may be changed. Edition3 for the Senior Review is the top Instrument priority at this time. Kory will be working with Jonathan to re-evaluate how to manage or change the NPP deliveries to allow the Edition3 work to be completed. (Cooper, Priestley, Thomas, & Walikainen) 	

Table 6. June 2, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Continuing to examine QC checker email generated during production. (Walikainen) • Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen) • SCCR734: Analyzed problems encountered last month in attempt to recompile and run 2.2P1 on SSIT <i>magneto</i> (Joanne/Tammy). Determined issue revolved around the use by compilation script of an undelivered environment script written especially for recompiling gen_es8hdf.exe via TK15 instead of TK16, as well as the restoration of the previous environment variables via a different script than the one used by SSIT (Tammy). Therefore, rewrote both compilation and TK15 environment scripts for 2.2P1 with necessary modifications and successfully tested the new configuration in <i>magneto</i> test area. (Lande) • SCCR740: Implemented new data directory structure (ASDC DPO) for 3.2P1 by moving input data files to new location and making necessary adjustments to the PGE's env't and PCF generator scripts to locate input data and create (if needed) the new output directories for the output data files. Also created a link for CERESLIB and copied the contents of PGSCONSDIR to my test area on <i>AMI</i> since these are no longer hard-coded in the Vault hash, and verified the log and PCF files generated with the new scripts. (Lande) • Creating a new set of FM2 Edition3 SCCs. These incorporate the radiometric shift to have monthly average, all-sky FM1 and FM2 radiances equal at the beginning of mission. (Walikainen) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	

Table 6. June 2, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Processed G5 and G4 QC results for Cloud Mask for 20060715. (R. Brown) • Processed G5 and G4 QC results for Edition2B-QC and Edition2A-QC. (R. Brown) • SSF global images for Terra Edition2G were processed for 200809 and 200810. Results were posted on the Web. (R. Brown) • Working on updating ClearSky dx script to use orthogonal dx code. (R. Brown) • Switched Aqua AM and PM netcdf filenames and recreated comparison plots. (Smith) • Created netcdf GEWEX MODIS-CE files CAI and CAW. (Smith) • Wrote programs to create season GEWEX data team comparison plots. (Smith) • Waiting for SA to create an image storage area for the ADF site to store NEWS images. Don't have permission to create a directory under /slocal/sites (which is where the clouds dir is with the other images). (Heckert) • Working on analysis of current clouds algorithms. This is for GEWEX clouds assessment meeting (week of June 21). (Chen & Sun-Mack) 	
4.2	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.3	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.4	Miller (Antropov)	<ul style="list-style-type: none"> • Modifying search procedure from imager pixel to MODIS albedo in a program to point spread function the data within the CERES footprint. (Antropov) (Edition3) • Approved changes to the SSF Edition2G Data Quality Summary (DQS) Web pages. (Miller) (Edition2) 	

Table 6. June 2, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.5	Sothcott	<ul style="list-style-type: none"> • Attended weekly SOFA working group meetings. (Sothcott) • Continued to support FLASHflux in updating and porting the Inversion code. (Sothcott) • Updated the Edition4 software combining features from the Alternate PGEs into the Main PGE. The Main PGE will now have options to process normally (Clouds input) or reprocess (full SSF input) and an option to read an IES as input. (Sothcott) • Ran several months of data to support SW model B algorithm upgrades. (Sothcott) • Worked on the two new PGEs (CER4.5-6.5P4 and CER4.5-6.5P5) to read in an Edition2 SSF, Edition3 IES, Edition3 spectral correction files and output an Edition3 (Edition2 format) SSF. (Sothcott) • Updated Inversion Operator's Manual to include new PGEs CER4.5-6.5P4 and CER4.5-6.5P5. (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"> • Making Edition3 plans. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (Caldwell) 	
7.1	Nguyen (Raju, Lock)	<ul style="list-style-type: none"> • No report received. 	
8.0	Nguyen (Raju, Lock)	<ul style="list-style-type: none"> • No report received. 	
10.0	Nguyen (Raju, Lock)	<ul style="list-style-type: none"> • No report received. 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> • No new updates. (Raju) 	

Table 6. June 2, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Work started to modify Edition2 version of Subsystem 9 software to include parameters needed for TSI process. These new PGEs 9.2P2, 9.3P2, and 9.4P2 will be delivered to <i>magneto</i> to generate Edition3 ISCCP1deg-Hour versions. (Raju) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • The GGEO images for April 2009 through February 2010 have been cleaned for the MTSAT-1 and 2. Also, the GOES-13 images are in the process of being cleaned from April 14 – May 17, 2010. (B. Lock & R. Parrish) • Processed all satellites' images except MTS1 from 01/09 – 01/10 on <i>P6</i>. Waiting for Dave Doelling's response to process MTS1. 02/10 month process is on hold due to not having 03/10 day 1 MOA inputs. (Raju) • Compared ValR1 ISCCP-D2like-GEO production versions with the previous ones. Sent the findings to TISA science members for approval to produce Edition products. (Raju) • Updated PGEs 11.1P10 & 11.2P2 to process MTS2 and G-13 satellites data. Processed and verified 11/09 MTS2 data. (Raju) • Preparing for up-coming delivery. (SCCR 787) (Raju) • Work continued to check CER11.1P10 software to make it independent of satellites' changes. These modifications will be included in the next delivery. (Raju & Parrish) • Work continued to convert shell scripts to perl for CER11.1P10. (R. Parrish) 	

Table 6. June 2, 2010 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
CERES -lib or PerlLib	Magill	<ul style="list-style-type: none"> • Pcf::Print_TK_files was modified so that there is an optional argument for the path to the files. Previously the path was hardcoded to the current directory. (Magill) • The function InputFileInfo was added to the Pcf.pm. This function returns an array of strings containing the status of the input files. Also, the function CheckFileLog was added to SGE_Utills.pm. CheckFileLog writes a log file that shows the status of all of the input files, and, if there are any output files that need to be cleaned up, it lists them as well. The entries for the subsystem and vault (i.e., Toolkit) hashes will be left out of this file. (Magill) 	

Table 7. June 2, 2010 – DM Tasks

Activity	Status
Code Optimization (Coleman)	<ul style="list-style-type: none">• No new updates. (Coleman)
Production Processing Database/ Automation (Coleman)	<ul style="list-style-type: none">• Migration of the Production Requests (PR) from a Word file to an Excel spreadsheet continued. This is an intermediate step towards migrating the PRs to a relational database. The Production Coordination Team began the development of PGE-specific PR templates. Approximately 85% of the 2010 PR file has been migrated. (Coleman & Lande)• Preparations for a review of the PR database design began with a meeting between the DMT and ASDC teams to discuss the information needed for the design review. (Coleman & Grune)
Ordering Tool (Kizer)	<ul style="list-style-type: none">• No report received.

Table 8. June 2, 2010 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none">• Attended the SDS bi-weekly telecon May 19. A highlight was an invited presentation by NGAS IDPS staff on science data products progress. Development on algorithms for the production of CERES RDRs are considered complete. Most other instrument products algorithms are well above 50% complete.• Announced revised dates and content of ERB CARS software build schedule. Proposed current build 2 'Launch Candidate' in August, build 3 in December consisting of 'soft' deliverables, and optional sustainment build 4 in April 2011 after NCT3.• Reviewed CERES RDR repair granule product description in CDFCB-X Vol. 1. Description was found to be accurate, but issues with latency of delivery of granules are still outstanding.

6/1/10 note - unable to circulate among team prior to 6/2/10 DMT meeting.

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 / InProg) 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	Devel	16	N	C++ RDR Pre-Processor
	CER1.1P1	Y	N	N/A	N	N/A	SSI&T	16	InProg	To be disabled when C++ working- CER1.1P8
	CER1.1P3	Y	N	N/A	N	N/A	SSI&T	16	InProg	To be disabled when C++ working- CER1.1P8
	CER1.1P5	Y	N	N/A	N	N/A	SSI&T	16	InProg	To be disabled when C++ working- CER1.1P8
	CER1.1P7	SSI&T	N	N/A	N	N/A	SSI&T	16	InProg	Ada NPP
	CER1.1P8	N	N	N/A	Devel	16	Devel	16	InProg	C++ NPP, Terra, Aqua
	CER1.2P1	Y	N	N/A	SSI&T	16	SSI&T	16	InProg	C code, NPP capable.
	CER1.3P1	Y	N	N/A	N	N/A	SSI&T	16	InProg	Replace with CER1.4P1 on P6
	CER1.3P2	Y	N	N/A	N	N/A	SSI&T	16	InProg	Replace with CER1.4P2 on P6
	CER1.3P3	Y	N	N/A	N	N/A	SSI&T	16	InProg	Replace with CER1.4P3 on P6
	CER1.4P1	N	N	N/A	SSI&T	16	SSI&T	16	InProg	
	CER1.4P2	N	N	N/A	Devel	16	Devel	16	InProg	
	CER1.4P3	N	N	N/A	Devel	16	Devel	16	InProg	
ERBE-like - 2	CER2.1P1	Y	ValRx	16	Devel	16	Devel	16	N	
	CER2.2P1	Y	SSI&T	15	Devel	16	Devel	16	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Y	SSI&T	16	Devel	16	Devel	16	N	
	CER2.3P2	Y	SSI&T	16	Devel	16	Devel	16	N	
	CER2.4P1	Y	ValRx	16	Devel	16	Devel	16	N	
ERBE-like - 3	CER3.1P1	Y	SSI&T	16	Devel	16	Devel	16	N	
	CER3.2P1	Y	SSI&T	16	Devel	16	Devel	16	N	

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 / InProg) ⁷	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	ValRx	16	N	N/A	N	N/A	n/a	warlock version recompiled for 2008 Edition2, Use P4 for 3/10 forward
	CER4.1-4.1P5	Y	ValRx	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	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	CER4.5-6.1P2	Y	ValRx	16	N	N/A	N	N/A	n/a	For 2010 processing, redeliver Edition2 to <i>magneto</i> . Recompiled on <i>warlock</i> for 2008/2009 processing
4.5-6	CER4.5-6.1P3	Y	ValRx	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i> . Recompiled on <i>warlock</i>
	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	SSI&T	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.2P3	N	Y	16	Devel	16	Devel	16	N	Subset postprocessor for Terra and Aqua (Ed4 version of 2P2)
	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	Devel	16	N	N/A	N	N/A	n/a	IES-SSF Terra New PGE, Ed2 format
	CER4.5-6.5P5	N	Devel	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>	

6/1/10 note - unable to circulate among team prior to 6/2/10 DMT meeting.

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 / InProg) 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
	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
	CER5.4P2	N	Y	16	N	N/A	N	N/A	n/a	Ed2 only
TISA Grid - 6	CER6.1P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER6.1P2	N	N	N/A	Devel	16	Devel	16	N	New PGE for Edition3
	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	New PGE for Edition3
	CER6.3P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER6.3P2	N	N	N/A	Devel	16	Devel	16	N	New PGE for Edition3
TISA Avg - 7.1	CER7.1.1P1	N	Y	15	Devel	16	Devel	16	N	
SARB - 7.2	CER7.2.1P1	N	Y	16	Devel	16	Devel	16	N	
TISA Avg - 8	CER8.1P1	N	Y	15	Devel	16	Devel	16	N	
TISA Grid - 9	CER9.0P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.0P2	N	N	N/A	Devel	16	Devel	16	N	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N	N/A	Devel	16	Devel	16	N	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	Devel	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	Devel	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
	CER9.4P2	N	Devel	16	N	16	N	N/A	n/a	New PGE for Edition3
TISA Avg - 10	CER10.0P1	N	ValRx	16	Devel	16	Devel	16	N	new PGE
	CER10.0P2	N	ValRx	16	Devel	16	Devel	16	N	new PGE

6/1/10 note - unable to circulate among team prior to 6/2/10 DMT meeting.

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 / InProg) ⁷	Comments
GGEO - 11	CER11.1P10	N	ValRx	16	Devel	16	Devel	16	N	
	CER11.2P2	N	ValRx	16	Devel	16	Devel	16	N	
	CER11.4P1	N	ValRx	16	Devel	16	Devel	16	N	
	CER11.6P1	N	SSI&T	16	Devel	16	Devel	16	N	
	CER11.7P1	N	Y	16	Devel	16	Devel	16	N	
Regrid MOA - 12	CER12.1P1	Y	Y	16	Devel	16	Devel	16	InProg	Back from SSI&T for newly required AMI scripts
	CER12.1P2	N	Y	16	Devel	16	Devel	16	InProg	Ed4 MOA -- Back from SSI&T for newly required AMI scripts

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 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	Development not yet begun
	InProg	Development in progress for inclusion in next delivery

Table 2: CERES Product Current Events Status Table			
Table 2 - CERES Data Products			
Product Name	Responsible Working Group	Archival, Internal, or Ext. Input	URL in Sample Read README updated ¹ ? (Y/N)
BDS	Instrument	Archival	N
ES-8	ERBE-like	Archival	N
ES-9	ERBE-like	Archival	N
ES-4	ERBE-like	Archival	N
SSF	Inversion	Archival	Y
CRS	SARB	Archival	Y
FSW	TISA-Gridding	Archival	Y
SYN	TISA-Averaging	Archival	Y
AVG	TISA-Averaging	Archival	Y
ZAVG	TISA-Averaging	Archival	Y
SFC	TISA-Gridding	Archival	Y
SRBAVG	TISA-Averaging	Archival	Y
ISCCP-D2like-Day/Nit	TISA-Gridding	Archival	Y
ISCCP-D2like-GEO	TISA-GGEO	Archival	Y
INSTR	Instrument	Internal	N/A
IES	Instrument	Internal	N/A
EID-6	ERBE-like	Internal	N/A
CRH	Clouds	Internal	N/A
GGEO	TISA	Internal	N/A
MOA	SARB	Internal	N/A
CID-VIRS	Clouds	Ext. Input	N/A
CID-MODIS	Clouds	Ext. Input	N/A
SURFMAP	Clouds	Ext. Input	N/A
GEO	TISA	ValRx	N/A
APD	SARB	Ext. Input	N/A
GAP	SARB	Ext. Input	N/A
MWH	SARB	Ext. Input	N/A
OPD	SARB	ValRx	N/A
¹ Sample Read Package README files: References to URL http://asd-www.larc.nasa.gov/ceres/ASDceres.html need to be updated to http://science.larc.nasa.gov/ceres			

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

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	
	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 columns
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

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		