October 28, 2009 - System Issues and Status

Table 1: Process Strategy/Coleman as of 10/26/09

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 3-09	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	
M-PR 2-09	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	
Standing requests AM- PR 1-05 to 7-05	Terra	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests AM- PR 1-00 to 7-00.
Standing requests PM-PRs 15-05 to 18-05	FM3	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 1-05 to 4-05.
Standing requests PM-PRs 11-05 to 14-05	FM4	Ed1-CV-NoSW	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 7-05 to 10-05.
PR 72-09	FM1, FM2	ValR13	BDS, IES	1.3P3	April, October 2000 – 2004 Feb, 2005	Done. 10/21/09
PR 71-09	FM1, FM2	ValR13	BDS, IES	1.2P1	April, October 2000 – 2004 Feb. 2005	Done. 10/21/09
PR 69-09	FM1, FM2	ValR13	ES8	2.2P1	April, October 2000 – 2004 Feb. 2005	Done. 10/21/09

Table 1: Process Strategy/Coleman as of 10/26/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 68-09	FM1, FM2	ValR13	ES8	2.3P1	April, October 2000 – 2004 Feb. 2005	Done. 10/21/09
PR 67-09	FM1, FM2	ValR13	ES8	2.3P2	April, October 2000 – 2004 Feb. 2005	Done. 10/21/09
PR 66-09	FM1, FM2	ValR13	ES4, ES9	3.1P1	April, October 2000 – 2004 Feb. 2005	Done. 10/21/09
PR 31-09	FM3, FM4	Edition2C/ NoSW	SFC	9.2P1 9.3P1 9.4P1	12/31/06 hr 12 – ~~9/1/07 hr 11~~ 1/1/08 hr 11	Done. 10/12/09
PR 30-09	FM3	Edition2C	CRS	5.0P1 5.1P2 5.4P2	9/1/07 – 12/31/07	Done. 10/16/09
PR 29-09	FM3	Edition2C	FSW	6.1P1 6.2P1 6.3P1	9/1/07 – 12/31/07	Done. 10/19/09
PR 51-09	FM3, FM4	PreLaunch_ Beta1	Instrument	1.2P1	2/28/03 3/1/03 3/2/03 3/19/03	Canceled. 9/15/09
PR 65-09	FM1, FM2	Edition3	BDS, IES	1.3P3	2/28/00 – 5/1/05	Pending ValR13 approval
PR 64-09	FM1, FM2	Edition3	BDS, IES	1.2P1	2/28/00 – 5/1/05	Pending ValR13 approval
PRs in development	FM1, FM2, FM3, FM4	ValRx	SSFI, SSF	Clouds and Inversion PGEs	12/07	Pending recompile of production s/w on warlock
PR 44-09	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	Pending recompile on warlock and ValRx testing
PR 43-09	FM1, FM2	Edition2G	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/08 – 1/1/09	Pending recompile on warlock and ValRx testing
PR 42-09	FM1, FM2	Edition2G	SFC	9.2P1 9.3P1 9.4P1	1/1/08 – 1/1/09 hr 11	Pending input

Table 1: Process Strategy/Coleman as of 10/26/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 85-09	FM1, FM2	Beta2-Ed3	SSFI	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	1/04, 4/04, 7/04, 10/04, 1/06, 7/06	Pending promotion
PR 84-09	FM3, FM4	Beta2-Ed3	SSFI	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	1/04, 4/04, 7/04, 10/04, 1/06, 7/06	Pending Promotion
PR 83-09	FM1, FM2	Beta2-Ed3	SSF	4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	1/04, 4/04, 7/04, 10/04, 1/06, 7/06	Pending delivery and promotion
PR 82-09	FM3, FM4	Beta2-Ed3	SSF	4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	1/04, 4/04, 7/04, 10/04, 1/06, 7/06	Pending delivery and promotion
PR 41-09	FM1 V005 MOD08	Edition2G	CRS	5.0P1 5.1P1 5.4P1	1/1/08 – 12/31/08	Pending SSF and MATCH input
PR 40-09	FM1	Edition2G	FSW	6.1P1 6.2P1 6.3P1	1/1/08 – 12/31/08	Pending input
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	Pending recompile on warlock and ValRx testing
PR 48-09	FM3, FM4	Edition2D/ Ed2D-NoSW	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	1/1/08 – 1/1/09	Pending recompile on warlock and ValRx testing
PR 47-09	FM3, FM4	Edition2D/ Ed2D-NoSW	SFC	9.2P1 9.3P1 9.4P1	1/1/08 – 1/1/09 hr 11	Pending input
PR 46-09	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P1	1/1/08 – 12/31/08	Pending recompile upon completion of PR 30-09 and subsequent ValRx processing and approval, and pending MATCH input
PR 45-09	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	1/1/08 – 12/31/08	Pending input

Table 1: Process Strategy/Coleman as of 10/26/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 63-09		Beta10	GGEO	11.10P1	1/1/06 7/1/06 1/1/07 7/07 10/07 12/08	Pending Promotion
PR 62-09		Beta10	GGEO	11.2P2	1/1/06 7/1/06 1/1/07 7/07 10/07 12/08	Pending Promotion
PR 61-09		Beta10	GGEO	11.4P1	1/1/06 7/1/06 1/1/07 7/07 10/07 12/08	Pending Promotion
PR 60-09		Edition2A	GGEO	11.1P10	11/05 – 6/09	Pending Beta10 processing and approval
PR 59-09		Edition2A	GGEO	11.2P2	11/05 – 6/09	Pending Beta10 processing and approval
PR 58-09		Edition2A	GGEO	11.6P1	11/05 – 6/09	Pending Beta10 processing and approval
PRs 71-09 to 81-09 New SARB Sfc Albedo Pre-processor	FM1. FM2, FM3	ValR1		5.0P2		In Pre-Op testing
PRs 97-09, 98-09 Synoptic SARB – New directory structure	FM1, FM2, FM3	ValR1	SYNI	7.2.1P1		In Pre-Op testing
PRs 86-09 to 96-09 ERBE-like migration to P4	FM1, FM2, FM3, FM4	ValR14	ES8, ES4, ES9			Pending delivery and promotion

Table 2. October 28, 2009 - System Issues and Status

Activity	Lead	Status
CM/Docu-mentation	Ayers (Saunders)	• See Table 3 for the current CERES Subsystem Delivery Schedule, Table 4 for the current CERES Coefficients Delivery Schedule, and Table 5 for the current DPC Update Schedule. (Ayers) • See Table 6 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 6. (Ayers) • ERBE-like (SCCR 726 – PGE CER2.1P1 on *magneto*) was released to the ASDC on October 15. The ERBE-like Test Plan and Operator's Manual were updated, posted on the Web, and provided to the ASDC. (Ayers, Saunders) • The ERBE-like (SCCR 729) delta delivery for PGE CER2.1P1 was installed on *warlock* and released to the ASDC on October 16. (Ayers) • Instrument (SCCR 723) was installed, compiled, and tested on *AMI-P6* and *AMI-X86* and released to the ASDC on October 20. The Instrument Test Plan and Operator's Manual were updated, posted on the Web, and provided to the ASDC. (Ayers, Saunders) • Instrument (SCCR 715) PGE CER1.1P7 was installed, compiled, and tested on *warlock*, and released to the ASDC on October 23. (Ayers) • The CERESlib (SCCR 732) and Instantaneous SARB (SCCR 733) deliveries have been received by CM. (Ayers) • The updated Promoted Directories document was provided to the ASDC. The information for Clouds PGEs CER4.1-4.1P6, CER4.1-4.2P4, CER4.1-4.2P5, CER4.1-4.3P3, Synoptic SARB PGE CER7.2.1P1, Instantaneous SARB PGE CER5.4P2, ERBE-like PGE CER2.1P1, and CERESlib on *AMI* was added to the document. (Ayers) • The TISA Averaging (SCCR 650) Operator's Manual was updated, posted on the Web, and provided to the ASDC. (Saunders) • Information for testing on *AMI* was provided to the ASDC. (Ayers)

Table 2. October 28, 2009 - System Issues and Status

Activity	Lead	Status
		• The CERES CM repository was copied to *AMI*. All deliveries to CM will now be made using the cm_move.csh script from /SCF/CERES/ceres_cm/cm_bin on *AMI*. (Ayers) • The GGEO Requirements Log was updated and posted on the Web. (Saunders) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders)

Table 3. CERES Subsystem Delivery Schedule – October 2009
(Next Science Team Meeting – November 3 – 5, 2009 in Ft. Collins, CO)

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 (SCCR 732)	October 9	October 23	October 30	ERBE-like modifications.			*magneto-P4, AMI-P6, & AMI-X86*
ERBE-like (SCCR 727)	October 9	October 23	October 30	Delivering PGE CER2.4P1 (Unfiltering).	X		*magneto-P4*
Instantaneous SARB (SCCR 733)	October 16	October 30	November 6	Delivering PGE 5.1P2 in new directory structure to *magneto*.			*magneto-P4*
Regrid MOA (SCCR 737)	October 16	October 30	November 6	Enabling PCF scripts to use CERES000 G5 input file names for July 2006 processing			*magneto-P4*
Inversion (SCCR 704)	October 16	October 30	November 6	Terra and Aqua Beta2-Edition3.		X	*magneto-P4*
TISA Averaging (SCCR 650)	October 16	October 30	November 6	Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing. New PGEs: CER10.0P1 & CER10.0P2.		X	*magneto-P4*
Instrument (SCCR 731)	October 23	November 6	November 13	Build that runs full Terra/Aqua Baseline1-QC and Edition1-CV. PGE 1.1P8 (C++).			*AMI-P6*
ERBE-like (SCCR 734)	October 23	November 6	November 13	Delivering the remaining Subsystem 2 PGEs.			*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule – October 2009
(Next Science Team Meeting – November 3 – 5, 2009 in Ft. Collins, CO)

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)
ERBE-like (SCCR 735)	October 30	November 13	November 20	Delivering the Subsystem 3 PGEs.			*magneto-P4*
Instrument (SCCR 716)	October 30	November 13	November 20	Terra/Aqua delivery of all Ada PGEs except CER1.1P7 to X86 platform.			*AMI-X86*
GGEO (SCCR 736)	November 6	November 20	November 27	Edition2 & maybe Beta2-Edition3 ISCCP-D2like-GEO (PGE CER11.7P1). [All ISCCP-D2like HDF products will have the same format.]			*magneto-P4*
CERESlib	November 6	November 20	November 27	TISA Gridding modifications.			*magneto-P4, AMI-P6, & AMI-X86*
TISA Gridding	November 6	November 20	November 27	CER_SSFgrid-Hourly (formerly SFC) Terra and Aqua Beta2-Edition3. PGE CER9.2P2, CER9.3P2, & CER9.4P2.	X	X	*magneto-P4*
TISA Averaging	November 13	November 27	December 4	SRBAVG-nonGEO Beta2-Edition3. New PGE for the subsetter code.		X	*magneto-P4*
Instantaneous SARB		Fall		New PGE to produce MATCH input files.		X	*magneto-P4*
TISA Averaging		Late Fall		SRBAVG-GEO Beta2-Edition3. Adding Model C surface fluxes and solar insulation.			*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule – October 2009
(Next Science Team Meeting – November 3 – 5, 2009 in Ft. Collins, CO)

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)
Inversion (SCCR 722)	November 20	December 4	December 11	In case Clouds doesn't make the Edition3 schedule. (This delivery might not be needed since the code might only be run at the SCF.)		X	*magneto-P4*
Instrument (SCCR 717)	November 20	December 4	December 11	Delivery of PGE CER1.1P7 to X86 platform for NPP. (Ada)			*AMI-X86*
GGEO	November 20	December 4	December 11	Beta1-Edition3 GGEO delivery.			*magneto-P4*
TISA Gridding		January 2010		Beta1–Edition2 delivery of new PGE CER9.0P2 for new ISCCP-D2like-Merge (?) product. [All ISCCP-D2like HDF products will have the same format.]		X	*magneto-P4*
Instrument	January 1	January 15	January 22	Pre-processor (PGE 1.0P2) updates. (C++)			*AMI-P6*
TISA Gridding		February 2010		Edition2 ISCCP-D2like-Flux.			*magneto-P4*
TISA Gridding		February 2010		Beta2-Edition3 ISCCP-D2like-Day/Nit. (PGE 9.0P1) (This delivery might not be needed.)			*magneto-P4*
Instrument		March 2010		Updates to PGE 1.1P8 for NPP. (C++) Also, build to correct any NPP-related errors discovered in NCT3 testing.			*AMI-P6*

Table 3. CERES Subsystem Delivery Schedule – October 2009
(Next Science Team Meeting – November 3 – 5, 2009 in Ft. Collins, CO)

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)
Clouds		Spring 2010		Terra and Aqua Edition3.			*magneto-P4*
Inversion		Spring 2010		Terra and Aqua Edition3.			*magneto-P4*
Instrument		August 2010		Build corrects all NPP errors found so far. Last Build before launch freeze date. Might not be needed			*AMI-X86*
Clouds		???		Support TRMM VIRS-only processing of August 2001 forward.			*magneto-P4*
Inversion		Two to four weeks after Clouds		Support TRMM VIRS-only processing.			*magneto-P4*
Instrument		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	*magneto-P4*

Table 4. CERES Coefficients Delivery Schedule – October 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
ERBE-like	N/A	Fall		Terra Edition3 spectral response function files for Launch – April 2005.	*warlock/ magneto*
Instrument	N/A	Early Winter		Aqua Edition3 gain files for Launch – December 2006.	*warlock/ magneto/ ami*
ERBE-like	N/A	Winter		Aqua Edition3 spectral response function files for Launch – December 2006.	*warlock/ magneto/ ami*
Instrument/ ERBE-like	N/A	???		TRMM Edition3 gains and spectral response function files.	*warlock/ magneto/ ami*

Table 5. Data Products Catalog Update Schedule – October 2009

DPC Section	Due Date	Comments
SFC	May	Adding a few new parameters for Edition3
SRBAVG-nonGEO	Draft by July	Complete rework of DPC pages
SRBAVG-GEO	Draft by July	Complete rework of DPC pages
TSIB-SSF	September 15	New intermediate product
TSIB-GEO	September 15	New intermediate product
SYNI	September 15	Unknown severity of Edition3 DPC changes
SYN/AVG/ZAVG	September 15	Unknown severity of Edition3 DPC changes
FSW	September 15	Given CRS won't even be in draft mode yet, this date is probably incorrect. Given that CRS and FSW are decoupled from rest of processing, pressure to document & produce these products will not be as great as pressure on the other products.
CRS	December	Draft for science review
ISCCP-D2like products	???	There will be no differences between Edition2 & Edition3 DPC. Don't know the Edition2 DPC schedule.
MOA	???	Unknown if there are Edition3 changes.
GGEO	???	Unknown if there are Edition3 changes.

Table 6. SCCR Activity October 14 at 8:30 a.m. – October 26 at 2:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
650		X				10	14	
729			X			2		
730	X					2	17	
731	X					1	18	
732	X					CERESlib	19	ERBE-like modifications.
733	X					5	20	
734	X					2	21	
735	X					3	22	
736	X					11	23	
737	X					12	24	

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

CERES Software Configuration Change Request Submittal
==========

Subsystem: TISAavg10.0 SCCR Date: 03/27/2007 SCCR Number: 650

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
Req#10-31 Update the daily TOA SW fluxes over the polar regions.

Req#10-32 Update the daily surface SW fluxes for model A and model B since there are regions the averages do not add up correctly

Req#10-33 Correct the use of the snow maps. Start at -180 degrees instead of 0 degree.

Req#10-34 Update code to add SS8 code.

Req#10-35 Remove ISCCP-like SRBAVGs and create SRBAVG1,2,3 and SRBAVG-Daily1, Daily2

Req#10-36 Update LW model B code to match with the one in CERESlib

Req#10-37 Include the RAP mode for Terra processing

Reason for Change (Science):
To support the process of Edition2B Aqua and Edition2E Terra SRBAVGs

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: CER10.1P1, CER10.2P1, CER10.2P2

Estimated Time to Complete Change: 3 weeks
Planned Delivery Date: April 13, 2007
List Affected Subsystems and PGE Names: None

Date: 04/05/2007 Status: UNKNOWN

Originator: NGUYEN, CATHY (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 650:
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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):
10.0P1 is based on 10.1P2 and 10.1P5.

10.0P2 is based on 10.1P1, 10.1P3, and 10.1P4.

10.0P3 is a new PGE.

Reason for Change (non-Science):
PGEs 10.1P2 and 10.1P5 are being consolidated into 10.0P1, the pre-processor.

PGEs 10.1P1, 10.1P3, and 10.1P4 are being consolidated into 10.0P2, the main processor.

PGE 10.0P3 is the new post-processor.

The previous numbering scheme was not sequential. The new numbers were selected to be consecutive and to not reuse any old PGE numbers.

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

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem: CER10.0P1, CER10.0P2, CER10.0P3

Estimated Time to Complete Change: 1 week
Planned Delivery Date: June 8, 2007
List Affected Subsystems and PGE Names: None

Date & Time: 2007-06-05 11:51:00

Originator: NGUYEN, CATHY (SSAI)

==========

Parameter Change: (X) YES ( ) NO

Description of Change (Science):
Req#10.38 Correct the solar constant code to start at 12 GMT instead of 0 GMT

Req#10.39 Update to add the interpolation for the zonal averages of the TOA and surface fluxes

Req#10.40 Update the to improve average code for the raw, interpolated TOA and surface fluxes

Req#10.41 Update code to use the get surface type program to improve the snow/ice and water surface types instead of using the static IGBP map

Req#10.42 Apply Seiji's all-sky ratio to derive daily clear-sky twilight from all-sky twilight fluxes

Req#10.43 Use the snow/ice map from cloud instead of using the snow/ice from SFC

Req#10.44 Add the interpolation for the monthly hourly zonal averages for fluxes

Req#10.45 Include the zonal average for the downwelling WN model A flux

Req#10.46 Replace the surface flux code with the most updated code and coefficient data from SOFA

Reason for Change (Science):
To support the Edition2E Terra and Edition2B Aqua SRBAVGs

Description of Change (non-Science):
Req#10-47 Add new directory structure

Req#10-48 Create temporary binary SRBAVG files then read the binary data files to create HDF SRBAVGs to reduce I/O run time

Reason for Change (non-Science):
To improve CPU time
There are 2 PGEs, pre-processor CER10.0P1 and main processor
CER10.0P2.
CER10.0P2 creates SRBAVGs and plots.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:
In addition to SRBAVG1-3, two new SRBAVG-Daily1 and SRBAVG-Daily2 are included.
SRBAVG-Daily1 contains GGEO + CERES fluxes and cloud averages
SRBAVG-Daily2 contains CERES fluxes and cloud averages.

Reason for Parameter Change:

To add the daily averages

Affected PGEs in this Subsystem: CER10.0P1, CER10.0P2

Estimated Time to Complete Change: 1 week
Planned Delivery Date: October 27, 2009
List Affected Subsystems and PGE Names: None

Date & Time: 2009-10-19 13:12:34

Originator: NGUYEN, CATHY (SSAI)

CERES Software Configuration Change Request Submittal
==========

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

Subsystem: ERBElike2.0 SCCR Date & TIME: 2009-10-14 13:23:58 SCCR No.: 730

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
Req 2-8
Place Terra, Aqua and TRMM data onto same radiometric scale. As of 10/9/09 all instruments will be adjusted to FM1 levels.
Req 2-10
Update quadratic coefficients that account for SW Thermal leak, Edition3 only.

Reason for Change (Science):
Science Team decided that an iso-Radiometric scale would address customer concerns.
Currently, all instrument use quadratic coefficients derived from TRMM.

Description of Change (non-Science):
Req 2-11
Update ERBElike code to handle FM5.

Reason for Change (non-Science):
Upcoming delivery (SCCR-727) of CER2.4P1 code to MAGNETO needs proxy FM5 unfiltering data file to reside in CERESlib/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: CER2.4P1, CER2.3P1. CER2.3P2, CER3.1P1, CER3.2P1

Estimated Time to Complete Change: 2 days
Planned Delivery Date: 10/16/09
List Affected Subsystems and PGE Names: Inversion (CER4.5-6.1P4 and CER4.5-6.1P5)

Originator: WALIKAINEN, DALE R. (SSAI)

CERES Software Configuration Change Request Submittal
==========

Subsystem: Instrument SCCR Date & TIME: 2009-10-14 14:30:00 SCCR No.: 731

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
Requirement 1-33
Deliver full Aqua/Terra capability for CER1.1P8

Reason for Change (Science):
Complete Aqua/Terra capabilities for the new C++ code to AMI P6 platform.

Description of Change (non-Science):
Remove dependency for the ASCII input file for PCF generation

Reason for Change (non-Science):
New delivery procedures for AMI

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: CER1.1P8

Estimated Time to Complete Change: 3 weeks
Planned Delivery Date: November 6, 2009
List Affected Subsystems and PGE Names: CER1.1P8

Originator: COOPER, DENISE L. (SSAI)

CERES Software Configuration Change Request Submittal
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*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: CERESlib SCCR Date & TIME: 2009-10-22 12:00:56 SCCR No.: 732

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
See SCCR 730

Reason for Change (Science):
See SCCR 730

Description of Change (non-Science):
See SCCR 730

Reason for Change (non-Science):
See SCCR 730

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: 1 day
Planned Delivery Date: 10/23/09
List Affected Subsystems and PGE Names: Inversion and Erbe-Like

Originator: ZENTZ, SCOTT M. (SSAI)

CERES Software Configuration Change Request Submittal
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Subsystem: InstSARB SCCR Date & TIME: 2009-10-22 12:12:09 SCCR No.: 733

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
(Req# 5-18.0)
Delivering PGE 5.1P2 in new directory structure to magneto.

Reason for Change (non-Science):
(Req# 5-18.0)
New directory structure requested by SEC.

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: CER5.1P2

Estimated Time to Complete Change: 1 week
Planned Delivery Date: Oct 30, 2009
List Affected Subsystems and PGE Names: InstSARB PGE CER5.1P2

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal
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Subsystem: ERBElike2.0 SCCR Date & TIME: 2009-10-26 09:23:10 SCCR No.: 734

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
NA

Reason for Change (Science):
NA

Description of Change (non-Science):
(Req 2-5) Convert ERBElike code to work on MAGNETO.
(Req 2-6) Move ERBElike code into new directory structure.

(Req 2-11) Update code and scripts to handle FM5 inputs.

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

Case statements do not have FM5 as an option.

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

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem: CER2.2P1, CER2.3P1 and CER2.3P2

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

Originator: WALIKAINEN, DALE R. (SSAI)

CERES Software Configuration Change Request Submittal
==========

Subsystem: ERBElike3.0 SCCR Date & TIME: 2009-10-26 09:26:33 SCCR No.: 735

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
NA

Reason for Change (Science):
NA

Description of Change (non-Science):
(Req 2-5) Convert ERBElike code to work on MAGNETO.
(Req 2-6) Move ERBElike code into new directory structure.

(Req 2-11) Update code and scripts to handle FM5 inputs.

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

Case statements do not have FM5 as an option.

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

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem: CER3.1P1 and CER3.2P1

Estimated Time to Complete Change: 3 weeks
Planned Delivery Date: 11/13/09
List Affected Subsystems and PGE Names: NA

Originator: WALIKAINEN, DALE R. (SSAI)

CERES Software Configuration Change Request Submittal
==========

Subsystem: GGEO SCCR Date & TIME: 2009-10-26 10:53:06 SCCR No.: 736

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
Requirement # 11-7.2
Modified software to generate Edition2 ISCCP-D2like-GEO product in the same HDF format as ISCCP-D2likeDay/Nit products.

Reason for Change (Science):
Requirement # 11-7.2
TISA science team has decided to use same HDF format for all ISCCP-D2like data products.

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: CER11.7P1

Estimated Time to Complete Change: One Week
Planned Delivery Date: November 6, 2009
List Affected Subsystems and PGE Names: None

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal
==========

Subsystem: MOA SCCR Date & TIME: 2009-10-27 08:14:06 SCCR No.: 737

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
(Req# 12-2.6)
Enabling PCF scripts to use CERES000 G5 input file names for July 2006 processing.

Reason for Change (non-Science):
(Req# 12-2.6)
The only G5 files currently available for 07/2006 use the CERES000 G5 file name.

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

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem: CER12.1P1, CER12.1P2

Estimated Time to Complete Change: 3 days
Planned Delivery Date: October 30, 2009
List Affected Subsystems and PGE Names: None

Originator: CALDWELL, THOMAS E. (SSAI)

Table 7. October 28, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Zentz	• No new updates. (Zentz)	
1.0	Cooper (Walikainen)	• CER1.2P1 has been delivered to CERES CM and released to SIT for operational testing on *AMI*, for both the P6 and x86. (Cooper) • Build2 of the C++ code is being integrated and tested for delivery in early November. (Grepiotis, Timcoe) • Scripts for all PGEs are being modified to not require the ASCII input file in preparation for delivery to *AMI*. (Cooper, Grepiotis, Zentz) • CER1.1P7 the Ada NPP Level-0 processor has been delivered to CERES CM and released to SIT for operational testing on *warlock*. (Cooper) • A problem with creation of Metadata on the x86 was discovered and reported to System Admin. Karen Brown is implementing the fix developed by Kam-Pui Lee that was added to TK5.2.15v1 previously. This update needs to be implemented before any additional Instrument PGEs can be delivered to *AMI*. The fix does not affect CER1.2P1 as it does not write out any HDF files. (Cooper, Zentz)	
2.0	Walikainen (Cooper)	• Continuing to examine QC checker email generated during production. (Walikainen) • Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen) • SCCR-727 code nearly ready to deliver to CM. (Walikainen) • Delivered Norm's iso-Radiometric data file to $CERESlib/data. This file has multipliers that can put every instrument on to our FM1 standard. Each instrument has a multiplier for four radiances: WN, LW-day, LW-night and SW. (Walikainen)	

Table 7. October 28, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0 Cont'd	Walikainen (Cooper)	• Delivered Edition3 ASCII files to $CERESlib/data. These files have the appropriate quadratic coefficients for each instruments' SW thermal leak. Also, delivered a proxy-FM5 beginning of mission unfiltering coefficient file. This proxy is an FM1 renamed with NPP and FM5 in the filename. (Walikainen)	
3.0	Walikainen (Cooper)	• Combined with above.	
4.1	Sun-Mack (Brown)	• Created clouds QC of whole month 2007 08 Terra on *magneto*. (Smith) • Began production run of day 20070415 Aqua and Terra on *magneto* for Inversion Ed3 testing. (Smith) • Added CO2 and ISCCP data to QC post processing. (Smith) • Created all 200708 Terra plots of QC VINT, CO2, and ISCCP data. (Smith) • Worked on addition of CO2 and ISCCP plots to web page. (Smith) • Worked on adding ISCCP and CO2 and histogram results to QC package. (Smith, Chen, Brown) • Worked on running 200708 Terra QC results with new QC package. (Smith, Chen, Brown) • Loaded new images with 5 minute interval instead of 10 minute interval into the Google Map tool. (Heckert) • Met with Ed Kizer and the CERES Ordering Tool team to give input and learn about project details. (Heckert) • Continue working on Atrain code build on Clouds Ed3 beta2. (Sun-Mack) • Started processing Atrain data. (Sun-Mack) • Validation between CALIPSO and CERES with Atrain output. (Chen, Sun-Mack)	

Table 7. October 28, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 Cont'd	Sun-Mack (Brown)	• Preparation for CERES STM, Minnis's talk. (Chen, Gibson, Brown, Smith, Heckert, Sun-Mack)	
4.2	Sun-Mack	• Combined with above.	
4.3	Sun-Mack	• Combined with above.	
4.4	Miller (Sun-Mack)	• Started learning how to open and to read the surface albedo file. Studied and compiled Surface Albedo File Reader written by Fred Rose. (Antropov) • Investigated the Terra ValR14 SSF differences on 1 degree grid for August 17, 2007. (Miller) • Started writing IDL code to display gridded data. (Miller)	
4.5	Sothcott	• Attended weekly SOFA working group meetings. (Sothcott) • Installed Radiometric Scaling Factor code and ancillary file access into the Edition3 Beta2 software. (Sothcott) • Wrote code to convert Edition2 SSF files to Edition3 SSF files to use for input for testing and validating algorithms. (Sothcott) • Continued testing the Edition3 Beta2 delivery using input data from clouds and input data generated from my conversion program. Ran Edition2 code to support the validation of the Edition3 Beta2 algorithms. (Sothcott)	
4.6	Sothcott	• Combined with above.	
5.0	Caldwell (Coleman)	• Delivered PGE 5.1P2 to *magneto* in new directory structure. (Caldwell)	
7.2	Caldwell (Coleman)	• No new updates. (Caldwell)	
12.0	Caldwell (Coleman)	• No new updates. (Caldwell)	
7.1	Nguyen (Raju, Filer)	• No new updates. (Nguyen)	

Table 7. October 28, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
8.0	Nguyen (Raju, Filer)	• No new updates. (Nguyen)	
10.0	Nguyen (Raju, Filer)	• Continue supporting Shashi Gupta in validating SW Model B surface flux code. Added the update Terra clear-sky albedo table as requested. Ran 2004 SRBAVGs and extracted the SW surface fluxes from Edition2D and the tested SRBAVGs for Dave Doelling and Shashi for further studies. (Nguyen) • Delivered the Operator's Manual and the pre-delivery memo. Updating the test plan. Testing code on *magneto*. (Nguyen) • Ran SRBAVGs for January and July 2004 for the case of using the igbp map and using the updated map. Compare the global means of the two cases to verify how much changes occurred from updating the snow/ice map in igbp map. (Nguyen) • Completed the Edition3 DPCs for SSF Gridding products. (Nguyen) • Completed the draft SRBAVGLite DPCs for Doelling to revise. (Nguyen) • Running SRBAVGs with the new GGEOs to support GGEO validations. (Nguyen)	
6.0	Raju (Nguyen)	• No new updates. (Raju)	
9.0	Raju (Nguyen)	• Work continued to update PGE CER9.2P2 code for Edition 3. (Ron Parrish) • Working with Moguo Sun to set up the software package for the ISCCP-D2like merge product process. (Raju) • Continued to work on the test plan and operator's manual to include Edition 3 information. (Ron Parrish) • Work continued to update PGE CER9.2P2 main processor code. (Raju, Ron Parrish)	

Table 7. October 28, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
11.0	Raju (Nguyen)	• Work continued to convert PCF shell scripts to perl. (Ron Parrish) • Met with SSIT team to resolve ggeo subsystem testing issues. As per their requests, sent the document that contained the information about which satellites to process for each month. (Raju) • Processed 07/07 MTSAT data with different nonlinearity coefficients and provided inputs to SRBAVG process for ggeo validations. (Raju) • Started modifying the ISCCP-GEO software to write output product with the same format as the ISCCP-day/nit products. (Raju) • Set up the directory for Ron Parrish on tisa-blue and showed him how to run GGEO jobs at SCF. (Raju) • Work continued to convert PCF shell scripts to perl. (Ron Parrish)	
CERES -lib	Zentz	• No new updates. (Zentz)	
Production Processing Database		• Completed populating data base with information from the ANGe reports from late August 2008 through the present. Now looking to add in older data for data sets included in the Monthly Production Processing Summary Report. (Coleman)	
Ordering Tool		• Work continued on Requirements and Design documentation. (Ron Parrish)	
Optimization/ Automation		• Working with team to prepare first cut at a roadmap. (Coleman)	

Table 8. October 28, 2009 – Other NPP Issues

Activity	Status
Telecons/ Meetings	• Attended the NPP Ground System Interface Test Summit at NSOF in Suitland, MD Oct. 21-22. Participated in discussions on SDS roles in the upcoming GSIT Ground EEO beginning Nov. 17, and provided test procedures for the ERB CARS. (Closs)
System Engineering	• Coordinated GSIT preparations with the ASDC, identifying test readiness review and EEO dates, test procedures, and test data. (Closs)