September 30, 2009 - System Issues and Status

Table 1: Process Strategy/Coleman as of 9/28/09

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 37-09	FM1, FM2	ValR14	SSFI	Clouds delivery to *magneto*	8/07	Done. 9/10/09
PR 35-09	FM3, FM4	ValR14	SSFI	Clouds delivery to *magneto*	8/07	Done. 9/19/09
PR 34-09	FM3, FM4	ValR14	SSF	Inversion delivery to *magneto*	8/07	Done. 9/19/09
PR 72-09	FM1, FM2	ValR13	BDS, IES	1.3P3	April, October 2000 – 2004 Feb. 2005	In progress
PR 71-09	FM1, FM2	ValR13	BDS, IES	1.2P1	April, October 2000 – 2004 Feb. 2005	In progress

Table 1: Process Strategy/Coleman as of 9/28/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 70-09	FM1, FM2	ValR13	ES8	2.4P1	April, October 2000 – 2004 Feb. 2005	In progress
PR 69-09	FM1, FM2	ValR13	ES8	2.2P1	April, October 2000 – 2004 Feb. 2005	In progress
PR 68-09	FM1, FM2	ValR13	ES8	2.3P1	April, October 2000 – 2004 Feb. 2005	In progress
PR 67-09	FM1, FM2	ValR13	ES8	2.3P2	April, October 2000 – 2004 Feb. 2005	In progress
PR 66-09	FM1, FM2	ValR13	ES4, ES9	3.1P1	April, October 2000 – 2004 Feb. 2005	In progress
PR 54-08	FM1 V005 MOD08	Edition2F	CRS Inst SARB	5.0P1 5.1P1 5.4P1	1/1/07 – ~~8/31/07~~ 12/31/07	Done. 9/18/09
PR 53-08	FM1	Edition2F	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	1/1/07 – ~~8/31/07~~ 12/31/07	Done. 9/18/09
PR 33-09	FM3, FM4	Edition1B	SSFI	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	9/1/07 – 1/01/08	In progress
PR 32-09	FM3, FM4	Edition2C/ NoSW	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	9/1/07 – 1/01/08	In progress
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	In progress
PR 30-09	FM3	Edition2C	CRS	5.0P1 5.1P2 5.4P2	9/1/07 – 12/31/07	Ready
PR 29-09	FM3	Edition2C	FSW	6.1P1 6.2P1 6.3P1	9/1/07 – 12/31/07	Ready
PR 57-09	FM5	PreLaunch-Beta1	Instrument	1.0P2	2/28/03 3/1/03 3/2/03 3/19/03	Done. 9/15/09
PR 56-09	FM5	PreLaunch-Beta1	Instrument	1.1P7	2/28/03 3/1/03 3/2/03 3/19/03	Done. 9/15/09
PR 55-09	FM5	PreLaunch-Beta1	Instrument	1.2P1	2/28/03 3/1/03 3/2/03 3/19/03	Done. 9/15/09

Table 1: Process Strategy/Coleman as of 9/28/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 50-09	FM5	PreLaunch-Beta1	Instrument	1.1P8	3/1/03	Done. 9/18/09
PR 54-09	FM1, FM2	PreLaunch-Beta1	Instrument	1.1P8	2/28/03 3/1/03 3/2/03 3/19/03	Done. 9/18/09
PR 53-09	FM1, FM2	PreLaunch-Beta1	Instrument	1.2P1	2/28/03 3/1/03 3/2/03 3/19/03	Done. 9/18/09
PR 52-09	FM3, FM4	PreLaunch-Beta1	Instrument	1.1P8	2/28/03 3/1/03 3/2/03 3/19/03	Done. 9/17/09
PR 51-09	FM3, FM4	PreLaunch_Beta1	Instrument	1.2P1	2/28/03 3/1/03 3/2/03 3/19/03	Ready
PR 65-09	FM1, FM2	Edition3	BDS, IES	1.3P3	2/28/00 – 5/1/05	Pending ValR13 processing and approval
PR 64-09	FM1, FM2	Edition3	BDS, IES	1.2P1	2/28/00 – 5/1/05	Pending ValR13 processing and approval
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

Table 1: Process Strategy/Coleman as of 9/28/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 58-09		Edition2A	GGEO	11.6P1	11/05 – 6/09	Pending Beta10 processing and approval
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 ValR14 approval
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 ValR14 approval
PR 42-09	FM1, FM2	Edition2G	SFC	9.2P1 9.3P1 9.4P1	1/1/08 – 1/1/09 hr 11	Pending input and ValR14 approval
PR 41-09	FM1 V005 MOD08	Edition2G	CRS	5.0P1 5.1P1 5.4P1	1/1/08 – 12/31/08	Pending input
PR 40-09	FM1	Edition2G	FSW	6.1P1 6.2P1 6.3P1	1/1/08 – 12/31/08	Pending input and ValRx approval
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	1/1/08 – 1/1/09	Pending ValR14 approval
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 ValR14 approval
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
PR 45-09	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	1/1/08 – 12/31/08	Pending input
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		Pending delivery and promotion

Table 1: Process Strategy/Coleman as of 9/28/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 82-09 to 85-09 Clouds and Inversion Beta2-Ed3	FM1, FM2, FM3, FM4	Beta2-Ed3	SSF			Pending delivery (Inv) and promotion
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. September 30, 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) • CERESlib (SCCR 724) was installed on *magneto-P4*, compiled, and tested, and released to the ASDC on September 23. The CERESlib Test Plan was updated, posted on the Web, and provided to the ASDC. (Ayers, Saunders) • Still trying to resolve issues so CERESlib can be installed on both the P6 and X86 platforms on *AMI*. (Ayers) • The Promoted Directories document was updated and provided to the ASDC. Also, information regarding the updates to the ceres-env script was provided to the ASDC. (Ayers) • The initial Toolkit Version per PGE document was provided to the ASDC. This document will show with which version of the Toolkit each PGE is compiled. With the latest CERESlib delivery, Tookit 5.2.16 is the default in the SSI&T area and will be the default in the production area on *magneto-P4* once it is promoted. In order for executables created under Toolkit 5.2.15 to run in the Toolkit 5.2.16 environment the LD_LIBRARY_PATH environment variable will have to be set properly. (Ayers) • The Clouds (SCCR 725) delta delivery was installed on *warlock* and released to the ASDC on September 23. (Ayers) • The Clouds (SCCR 719) delivery is being tested on *magneto-P4*. The Clouds Test Plan was updated and provided to CM for use during testing. (Ayers, Saunders) • Appendix C - Sample ASCII (PCFin) File Listing has been removed from the Operator's Manuals since the PCFin files are no longer necessary. (Saunders, Ayers) • SCCR-related code was modified to remove Erika's name and add Jonathan's. (Saunders, Ayers)

Table 2. September 30, 2009 - System Issues and Status

Activity	Lead	Status
		• The Instrument, Clouds, and ERBE-like Requirements Logs were updated and posted on the Web. (Saunders) • The SEC's *AMI* Delivery Policies document was reviewed and edited. (Ayers) • Correction to the 9/16 report: The updated Terra FM1 and FM2 Edition3 gains for February 28, 2000, through **March** 1, 2005 were delivered to *magneto-P4* and *warlock* on September 11. (Ayers) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders)

Table 3. CERES Subsystem Delivery Schedule – September 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 (SCCR 719)	August 21	September 18	September 25	Terra and Aqua Beta2-Edition3.	X		*magneto-P4*
Instrument (SCCR 723)	September 11	September 25	October 2	Delivering CER1.2P1 to test the SSI&T environment on *ami*.	X		*ami-P6 & ami-X86*
ERBE-like (SCCR 726)	September 18	October 2	October 9	Delivering PGE CER2.1P1 (Snow).			*magneto-P4*
Synoptic SARB (SCCR 721)	September 18	October 2	October 9	Update PGE 7.2.1P1 to use new names of surface albedo history files produced by PGE 5.0P2. Port Synoptic SARB to new directory structure.			*magneto-P4*
TISA Averaging (SCCR 650)	September 18	October 2	October 9	Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing. New PGEs: CER10.0P1, CER10.0P2, & CER10.0P3.		X	*magneto-P4*
ERBE-like (SCCR 727)	September 25	October 9	October 16	Delivering PGE CER2.4P1 (Unfiltering).			*magneto-P4*
Inversion (SCCR 704)	September 25	October 9	October 16	Terra and Aqua Beta2-Edition3.		X	*magneto-P4*
ERBE-like	October 2	October 16	October 23	Delivering the remaining PGEs.			*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule – September 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)	October 9	October 23	October 30	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*
TISA Gridding	October 16	October 30	November 6	Edition2 & Beta2-Edition3 ISCCP-D2like-Day/Nit. (PGE 9.0P1) (This delivery might not be needed.)			*magneto-P4*
TISA Gridding	October 16	October 30	November 6	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*
CERESlib	October 23	November 6	November 13	Instrument updates – C version of metadata.			*magneto-P4 & ami-P6*
Instrument	October 23	November 6	November 13	Build that runs full Terra/Aqua Baseline1-QC and Edition1-CV. PGE 1.1P8 (C++).	X		*magneto-P4 & ami-P6*
TISA Gridding	October 23	November 6	November 13	SFC Terra and Aqua Beta2-Edition3.			*magneto-P4*
Regrid MOA		November		Edition3 delivery.			*magneto-P4 & ami-P6*
TISA Averaging	November 6	November 20	November 27	SRBAVG-nonGEO Beta2-Edition3. New PGE for the subsetter code.		X	*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule – September 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)
Instrument (SCCR 715)		Fall		Updates to PGE CER1.1P7 (Ada) for NPP.			*warlock*
Instrument (SCCR 716)		Fall		NPP delivery of all Ada PGEs except CER1.1P7 to X86 platform. May not need to deliver CER1.2P1 if the test delivery (SCCR 723) was successful.			*ami-X86*
GGEO		Fall		Edition2 & maybe Beta2-Edition3 ISCCP-D2like-GEO. [All ISCCP-D2like HDF products will have the same format.]			*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*
Instrument (SCCR 717)		Late Fall		Delivery of PGE CER1.1P7 to X86 platform for NPP. (Ada)			*ami-X86*
GGEO	November 20	December 4	December 11	Beta1-Edition3 delivery.			*magneto-P4*
Instrument		Winter		Pre-processor (PGE 1.0P2) updates. (C++)			*magneto-P4 & ami-P6*
Clouds		Late 2009		Terra and Aqua Edition3.			*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule – September 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		Late 2009		Terra and Aqua Edition3.			*magneto-P4*
TISA Gridding		January 2010		Beta1-Edition2 delivery of new PGE CER9.0P2 (?) for new ISCCP-D2like-Flux (?) product. [All ISCCP-D2like HDF products will have the same format.]		X	*magneto-P4*
TISA Gridding		February 2010		Edition2 ISCCP-D2like-Flux.			*magneto-P4*
Instrument		February 2010		Build corrects NPP-related errors discovered in NCT3 testing.			*magneto-P4 & ami-P6*
Instrument		March 2010		Updates to PGE 1.1P8 for NPP. (C++)			*magneto-P4 & ami-P6*
Instrument		May 2010		Build corrects all NPP errors found so far. Last Build before launch freeze date.			*magneto-P4 & ami-P6*
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 – September 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 – September 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 September 14 at 1:00 p.m. – September 28 at 12:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
723			X			1		
724			X			CERESlib		
725	X		X	X		4.1-4.3	14	
726	X					2.0	15	
727	X					2.0 & 3.0	16	

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

CERES Software Configuration Change Request Submittal

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Subsystem: Clouds4.1-3 SCCR Date & TIME: 2009-09-22 09:31:29 SCCR No.: 725

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
None

Reason for Change (Science):
N/A

Description of Change (non-Science):
Modify CER4.1-4.0P1 shell PCF generator script (Req 4-8.1)

Reason for Change (non-Science):
To handle new version of NSIDC snow/ice HDFEOS file: NISE_SSMISF17

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:
CER4.1-4.0P1 on warlock

Estimated Time to Complete Change: one day
Planned Delivery Date: September 25, 2009
List Affected Subsystems and PGE Names: Clouds and all subsystems that use Snow/Ice maps. For Clouds PGEs:
CER4.1-4.1P2, CER4.1-4.1P3, CER4.1-4.1P4, CER4.1-4.1P5, CER4.1-4.1P6

Originator: SUN-MACK, SUNNY (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: ERBElike2.0 SCCR Date & TIME: 2009-09-29 11:22:05 SCCR No.: 726

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 2-7) Modify CER2.1P1 PCF generator to handle new daily snow file names.

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

OLD NAMEs -NISE_SSMIF13_yyyymmdd.HDFEOS
NEW NAMEs - NISE_SSMISF17_yyyymmdd.HDFEOS.
The CER2.1P1 are hard coded to look for NISE_SSMIF13.
The new files use a new satellite, sensor and algorithms.
Further information on NISE and changes related to the sensor switch can be found at
http://nsidc.org/data/docs/daac/nise1_nise.gd.html.

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

Estimated Time to Complete Change: 3 days
Planned Delivery Date: 10/2/09
List Affected Subsystems and PGE Names: ERBElike only

Originator: WALIKAINEN, DALE R. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: ERBElike SCCR Date & TIME: 2009-09-29 14:13:46 SCCR No.: 727

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
(Req 2-10) Update SW thermal correction for Terra and Aqua.

Reason for Change (Science):
Currently all instruments use TRMM's SW thermal correction.

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

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

Reason for Change (non-Science):
All production code is being transferred from the 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:
CER2.4P1

Estimated Time to Complete Change: 10 days
Planned Delivery Date: 10/9/09
List Affected Subsystems and PGE Names: Inversion: CER4.5-6.1P2, CER4.5-6.1P3,CER4.5-6.1P4,CER4.5-6.1P5,CER4.5-6.3P2,
CER4.5-6.3P3,CER4.5-6.6P2,CER4.5-6.6P3

Originator: WALIKAINEN, DALE R. (SSAI)

Table 7. September 30, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Zentz	• No new updates. (Zentz)	
1.0	Cooper (Walikainen)	• CER1.2P1 is waiting for CERESlib to deliver to AMI P6 and x86 before it can be delivered. Also waiting for information on the ASDC archive and whether this PGE should read input from that area. The problem is that not all needed files are up-to-date there. (Cooper) • Build2 of the C++ code is currently being integrated and will be ready to deliver in November. (Grepiotis, Timcoe) • Attended the NPP/NPOESS Face-to-Face meeting in Aurora, CO. Walt made a contact to get information on the CERES data that is expected to be used for the Ground System testing. We want to make sure that we receive data during the test that can be processed beyond Level-0. (Cooper, Miller)	
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) • Created candidate Terra Edition3 unfiltering coefficients for the Science Team. These are based on degraded SW and TOT channel spectral responses. (Walikainen) • Plan to deliver CER2.1P1, the ERBElike SNOW PGE, Friday (10/2). (Walikainen)	
3.0	Walikainen (Cooper)	• Combined with above.	

Table 7. September 30, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack (Brown)	• Significant time, for all members of the team, was spent on working on CERES Edition3 beta2 algorithms debugging and testing, and finalizing the delivery version to *magneto*. Debugged and tested the perl PCF generator and execution perl scripts for all four PGEs planned for Ed3 Beta2 delivery. For validation and final check-out purpose, a day of data was processed, and the images were produced and posted on the google map and Clouds QC website. The delivery validation scripts were modified and debugged. The final delivery of ED3 beta2 SCCR #719 was made to CERES CM team on Sept. 24, 2009. (All: Smith, R. Brown, Heckert, Chen, Sun-Mack) • The name of NSIDC snow/ice maps was changed. ASDC stopped processing snow and ice maps. Modified the script and tested processing. Clouds Delta Delivery SCCR #725 with the script changes was delivered on Sept. 22, 2009. (Ayers, R. Brown, Sun-Mack) • The ValR14 QC results for Terra were post processed, posted on the Web, and validated against Edition2 results. (R. Brown, Sun-Mack) • Fixed several bugs found with the interface for the Java script animation tool and pop-up windows on the Google Map tool. (Heckert) • Reorganized the parameter lists in the drop-downs so that the parameters showed by category instead of in alphabetical order. (Heckert) • Re-loaded new images for Ed3Beta2 into the Google Map tool. (Heckert) • Worked on zonal plots SSF results for Terra (Edition2B and Edition2F) and Aqua (Edition2B and Edition2C). (R. Brown)	
4.2	Sun-Mack	• Combined with above.	
4.3	Sun-Mack	• Combined with above.	
4.4	Miller (Sun-Mack)	• Assisted with the clouds Edition3Beta2 delivery. (Miller)	

Table 7. September 30, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.5	Sothcott	• Attended weekly SOFA working group meetings. (Sothcott) • Incorporated the new Unfiltering algorithms into the Edition3 Beta2 code. Currently testing additional LW algorithm updates for the Edition3 Beta2 delivery. (Sothcott) • Reviewing ValR14 results. (Sothcott)	
4.6	Sothcott	• Combined with above.	
5.0	Caldwell (Coleman)	• No new updates. (Caldwell)	
7.2	Caldwell (Coleman)	• Preparing delivery of Synoptic PGE for SCCR 721. (Caldwell)	
12.0	Caldwell (Coleman)	• Evaluating HDF5 data. (Caldwell)	
7.1	Nguyen (Raju, Filer)	• No new updates. (Nguyen)	
8.0	Nguyen (Raju, Filer)	• No new updates. (Nguyen)	
10.0	Nguyen (Raju, Filer)	• Completed validating March 2000 SRBAVGLite. (Nguyen) • Running SRBAVGLite from March 2000 through April 2005 for Doelling and Loeb to study. Writing IDL code to plot the global mean of fluxes to support the trend study. (Nguyen) • Supported Shashi in validating SW model B. Provided plots of the differences of the results from the old code and the updated code. (Nguyen) • Supporting Anne Wilber in validating SW model A code. (Nguyen) • Preparing to run 5 years of SRBAVGs in 12 GMT time to support GGEO validation. (Nguyen) • Looking for data for Edition2D 2000-2007 SGE batch job to be run on P6. Working on the new Edition3 Data Products Catalogs: DPC_SSF_ grid_daily and DPC_SSF_grid_monthly. (Filer).	

Table 7. September 30, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
6.0	Raju (Nguyen)	• No new updates. (Raju)	
9.0	Raju (Nguyen)	• 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 for Edition 3. (Ron Parrish)	
11.0	Raju (Nguyen)	• Work continued to convert PCF shell scripts to perl. (Ron Parrish)	
CERES -lib	Zentz	• No new updates. (Zentz)	
Production Processing Database		• Continuing to populate database, streamline process, and develop queries to access information. (Coleman)	

Table 8. September 30, 2009 – Other NPP Issues

Activity	Status
Telecons/ Meetings	• Attended the September 22 NPP Data Formats Working Group telecon. Main topics were an HDF NPOESS project status, IDPS simulated throughputs, and CDFCD-X planned updates. Item of note is the upcoming HDF workshop November 3-5 in Riverdale, MD. (Closs) • Attended the September 23 NPP Science Data Segment telecon. Main topics were NPP Ground System Interface Tests (GSIT) Ground EEO preparation and test data status. The GSIT Ground EEO is likely to slip into mid November. (Closs) • Attended portions of the CERES FM-6 delta System Requirements Review September 24. Topics covered included FM-6 project scope, management plan, schedule, requirements and verification, and integration and test. (Closs)
System Engineering	• Reviewed proposed NPP test data and test artifact requirements for the NPP GSIT Ground EEO. The degree of participation by ERB CARS is uncertain, as the NPP SI&T group have no requirements with ERB CARS. Regardless, preparing for LaRC participation as a verification of the Land PEATE interface. (Closs) • Compiled and packaged test artifacts from the September 14 SDS Functional Test, and updated the Requirements Traceability Matrix accordingly. Planned to send package to SDS Test Lead at Goddard. (Closs)