September 16, 2009 - System Issues and Status

Table 1: Process Strategy/Coleman as of 9/14/09

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	Almost done – monthly QC in progress
PR 36-09	FM1, FM2	ValR14	SSF	Inversion delivery to magneto	8/07	Done. 9/11/09
PR 35-09	FM3, FM4	ValR14	SSFI	Clouds delivery to magneto	8/07	In Progress
PR 34-09	FM3, FM4	ValR14	SSF	Inversion delivery to magneto	8/07	In Progress

Table 1: Process Strategy/Coleman as of 9/14/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 72-09	FM1, FM2	ValR13	BDS, IES	1.3P3	April, October 2000 – 2004 Feb, 2005	Ready
PR 71-09	FM1, FM2	ValR13	BDS, IES	1.2P1	April, October 2000 – 2004 Feb. 2005	Ready
PR 70-09	FM1, FM2	ValR13	ES8	2.4P1	April, October 2000 – 2004 Feb. 2005	Ready
PR 69-09	FM1, FM2	ValR13	ES8	2.2P1	April, October 2000 – 2004 Feb. 2005	Ready
PR 68-09	FM1, FM2	ValR13	ES8	2.3P1	April, October 2000 – 2004 Feb. 2005	Ready
PR 67-09	FM1, FM2	ValR13	ES8	2.3P2	April, October 2000 – 2004 Feb. 2005	Ready
PR 66-09	FM1, FM2	ValR13	ES4, ES9	3.1P1	April, October 2000 – 2004 Feb. 2005	Ready
PR 57-08	FM1, FM2	Edition2A-QC	SSFI Clouds	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/07 – ~~9/1/07~~ 1/01/08	Done. 9/1/09
PR 56-08	FM1, FM2	Edition2F	SSF Inversion	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/07 – ~~9/1/07~~ 1/01/08	Done. 9/1/09
PR 55-08	FM1, FM2	Edition2F	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	12/31/06 hr 12 – ~~9/1/07 hr 11~~ 1/1/08 hr 11	Done. 9/1/09
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	Almost done – processing final days of 12/07
PR 53-08	FM1	Edition2F	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	1/1/07 – ~~8/31/07~~ 12/31/07	Almost done – processing final days of 12/07
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	Ready
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	Ready

Table 1: Process Strategy/Coleman as of 9/14/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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	Ready
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	Ready – plan to run on 9/14 in support of SDS functional test
PR 56-09	FM5	PreLaunch-Beta1	Instrument	1.1P7	2/28/03 3/1/03 3/2/03 3/19/03	Ready – plan to run on 9/14 in support of SDS functional test
PR 55-09	FM5	PreLaunch-Beta1	Instrument	1.2P1	2/28/03 3/1/03 3/2/03 3/19/03	Ready – plan to run on 9/14 in support of SDS functional test
PR 50-09	FM5	PreLaunch-Beta1	Instrument	1.1P8	3/1/03	Ready – plan to run on 9/14 in support of SDS functional test
PR 54-09	FM1, FM2	PreLaunch-Beta1	Instrument	1.1P8	2/28/03 3/1/03 3/2/03 3/19/03	Ready
PR 53-09	FM1, FM2	PreLaunch-Beta1	Instrument	1.2P1	2/28/03 3/1/03 3/2/03 3/19/03	Ready
PR 52-09	FM3, FM4	PreLaunch-Beta1	Instrument	1.1P8	2/28/03 3/1/03 3/2/03 3/19/03	Ready
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

Table 1: Process Strategy/Coleman as of 9/14/09
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
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

Table 1: Process Strategy/Coleman as of 9/14/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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 and ValRx approval
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 and ValRx approval
PRs in development (to be distributed by 9/18/09): New SARB Sfc Albedo Pre-processor and SYNI scripts		ValRx	SYNI	5.0P2 7.2.1P1		In Pre-Op testing

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) •

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)
CERESlib (SCCR 724)	August 28	September 11	September 18	Clouds and ceres-env modifications. TK5.2.16 version, also.			*magneto-P4, ami-P6, & ami-X86*
Clouds (SCCR 719)	August 21	September 11	September 18	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 696)	September 11	September 25	October 2	To process everything including all of Edition3 on *magneto*.			*magneto-P4*
Synoptic SARB (SCCR 721)	September 11	September 25	October 2	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*
Inversion (SCCR 722)	September 11	September 25	October 2	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 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*

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 704)	September 25	October 9	October 16	Terra and Aqua Beta2-Edition3.		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*
Instrument (SCCR 715)		Fall		Updates to PGE CER1.1P7 (Ada) for NPP.			*warlock*

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 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*
Inversion		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)
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 xx at 11:00 a.m. – xx at 1:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments

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

CERES Software Configuration Change Request Submittal
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Table 7. September 30, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Zentz	•	
1.0	Cooper (Walikainen)	•	
2.0	Walikainen (Cooper)	•	
3.0	Walikainen (Cooper)	Combined with above.	
4.1	Sun-Mack (Brown)		
4.1	Sun-Mack (Brown) (Continued)	•	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller (Sun-Mack)	•	
4.5	Sothcott	•	
4.6	Sothcott	Combined with above.	
5.0	Caldwell (Coleman)	•	
7.2	Caldwell (Coleman)	•	
12.0	Caldwell (Coleman)	•	
7.1	Nguyen (Raju, Filer)	•	
8.0	Nguyen (Raju, Filer)	•	
10.0	Nguyen (Raju, Filer)	•	
6.0	Raju (Nguyen)	• No report received.	

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

SS No.	SS Lead	Status	Problems
9.0	Raju (Nguyen)	• No report received.	
11.0	Raju (Nguyen)	• ??? (Ron Parrish)	
CERES -lib	Zentz	•	
Production Processing Database		•	

Table 8. September 30, 2009 – Other NPP Issues

Activity	Status
Telecons/ Meetings	•
System Engineering	•