December 9, 2009 - System Issues and Status

Table 1: Process Strategy/Coleman as of 12/07/09

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 1-09		NSIDC-NESDIS	EICE ESNOW 16th mesh	4.1-4.0P2	Standing Request	Pending promotion
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.
PRs 104-09 thru 111-09 Clouds 2008 on *warlock* SCCR 742	FM1-4	ValR14w4 (GEOS4), ValR14w5 (G5-CERES)	SSF	Clouds and Inversion	12/07	ASAP – Pending promotion

Table 1: Process Strategy/Coleman as of 12/07/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 65-09	FM1, FM2	Edition3	BDS, IES	1.3P3	2/28/00 – 5/1/05	Done. 11/27/09
PR 64-09	FM1, FM2	Edition3	BDS, IES	1.2P1	2/28/00 – 5/1/05	Done. 11/27/09
PR 103-09 SCCR 741	FM1, FM2	ValR14b	SSFI	4.1-4.1P4 4.1-4.2P2 4.1-4.2P3 4.1-4.3P2	8/07	Done. 11/20/09
PR 102-09 SCCR 690	FM3, FM4	ValR14b	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.3P2 4.5-6.4P1 4.5-6.6P2	8/07	Done. 11/20/09
PR 99-09	CERES	GMAO-G5-Beta2-Ed3	MOA	12.1P2	1/04 – 12/04, 1/06, 7/06	Pending promotion of delta delivery for 7/06 (00 stream)
PR 98-09 SCCR 721	FM1	ValR1	SYNI	7.2.1P1	9/05	Ready
PR 97-09 SCCR 721	FM3	ValR1	SYNI	7.2.1P1	9/05	Ready
PR 85-09 SCCR 719	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	Ready, but Inversion is not
PR 84-09 SCCR 719	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	Ready, but Inversion is not
PR 83-09 SCCR 704	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	Delivered
PR 82-09 SCCR 704	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	Delivered
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	Pending recompile on *warlock* and ValRx testing
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	Pending recompile on *warlock* and ValRx testing

Table 1: Process Strategy/Coleman as of 12/07/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 42-09 SCCR 685	FM1, FM2	Edition2G	SFC	9.2P1 9.3P1 9.4P1	1/1/08 – 1/1/09 hr 11	Pending input
PR 41-09 SCCR 692	FM1 V005 MOD08	Edition2G	CRS	5.0P1 5.1P1 5.4P1	1/1/08 – 12/31/08	Pending SSF input
PR 40-09 SCCR 685	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 SCCR 690	FM3, FM4	Edition2D/Ed 2D-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 SCCR 685	FM3, FM4	Edition2D/Ed 2D-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 SSF input and subsequent ValRx processing and approval
PR 45-09 SCCR 685	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	1/1/08 – 12/31/08	Pending input
PR 78-09 SCCR 718	FM1, FM2	Edition2B	SAH	5.0P2	11/05 – 6/06	Pending ValR1 approval
PR 77-09 SCCR 718	FM1	Edition2F	SAH	5.0P2	7/06 – 12/07	Pending ValR1 approval
PR 75-09 SCCR 718	FM3	Edition2B	SAH	5.0P2	11/05 – 6/06	Pending ValR1 approval
PR 74-09 SCCR 718	FM3	Edition2C	SAH	5.0P2	7/06 - 12/07	Pending ValR1 approval
PR 76-09 SCCR 718	FM1	Edition2G	SAH	5.0P2	1/08 – 12/08	Pending ValR1 approval and input data
PR 73-09 SCCR 718	FM3	Edition2D	SAH	5.0P2	1/08 – 12/08	Pending ValR1 approval and input data

Table 1: Process Strategy/Coleman as of 12/07/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 63-09 SCCR 653		Beta10	GGEO	11.10P1	1/1/06 7/1/06 1/1/07 7/07 10/07 12/08	Pending Redelivery
PR 62-09 SCCR 653		Beta10	GGEO	11.2P2	1/1/06 7/1/06 1/1/07 7/07 10/07 12/08	Pending redelivery
PR 61-09 SCCR 653		Beta10	GGEO	11.4P1	1/1/06 7/1/06 1/1/07 7/07 10/07 12/08	Pending redelivery
PR 60-09 SCCR 653		Edition2A	GGEO	11.1P10	11/05 – 6/09	Pending Beta10 processing and approval
PR 59-09 SCCR 653		Edition2A	GGEO	11.2P2	11/05 – 6/09	Pending Beta10 processing and approval
PR 58-09 SCCR 653		Edition2A	GGEO	11.6P1	11/05 – 6/09	Pending Beta10 processing and approval
PR 96-09 SCCR 726		ValR14	ERBE-like snow	2.1P1	9/09 – 11/09	In Pre-op testing
PR 95-09 SCCR 727	FM3, FM4	ValR14	SRF	2.4P1	9/07 – 11/07	Delivered
PR 94-09 SCCR 734	FM3, FM4	ValR14	ES8	2.2P1	9/07 – 11/07	Pending Delivery
PR 93-09 SCCR 734	FM3, FM4	ValR14	ES8	2.3P1	9/07 – 11/07	Pending Delivery
PR 92-09 SCCR 734	FM3, FM4	ValR14	ES8	2.3P2	9/07 – 11/07	Pending delivery
PR 91-09 SCCR 735	FM3, FM4	ValR14	ES4, ES9	3.1P1	10/07	Delivered
PR 90-09 SCCR 727	FM1, FM2	ValR14	SRF	2.4P1	9/07 – 11/07	Delivered

Table 1: Process Strategy/Coleman as of 12/07/09
Active Requests in order of priority

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 89-09 SCCR 734	FM1, FM2	ValR14	ES8	2.2P1	9/07 – 11/07	Pending Delivery
PR 88-09 SCCR 734	FM1, FM2	ValR14	ES8	2.3P1	9/07 – 11/07	Pending Delivery
PR 87-09 SCCR 734	FM1, FM2	ValR14	ES8	2.3P2	9/07 – 11/07	Pending delivery
PR 86-09 SCCR 735	FM1, FM2	ValR14	ES4, ES9	3.1P1	10/07	Delivered
PR 86a-09 SCCR 735	FM1+ FM3	ValR14	ES4, ES9	3.2P1	10/07	Delivered

Table 2. December 9, 2009 - System Issues and Status

Activity	Lead	Status
CM/Docu-mentation	Ayers (Saunders)	• 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 trip reports for the September NPP F2F Meetings in Aurora and the November HDF and HDF-EOS Workshop were posted on the new CERES DMT Trip Reports Web page (http://science.larc.nasa.gov/ceres/trip_reports/index.html). (Ayers, Saunders) • The ERBE-like (SCCR 735) Operator's Manual was updated, posted on the Web, and provided to the ASDC. (Saunders) • CERESlib (SCCR 745) was installed, compiled, and tested on *warlock* and released to the ASDC on November 24. (Ayers) • The Clouds (SCCR 742) delta delivery was installed on *warlock*. Although this was a delta delivery, PGEs CER4.1-4.1P4 and CER4.1-4.1P5 were recompiled to use CERESlib 745 so Edition2 processing can be run on *warlock*. (Ayers) • TISA Averaging (SCCR 650) was installed, compiled, and tested on *magneto*, and released to the ASDC on November 24. The Test Plan associated with this delivery was updated, posted on the Web, and provided to the ASDC. (Saunders) • The Toolkit Version per PGE table was updated for PGEs CER5.1P2, CER10.0P1, and CER10.0P2 and provided to the ASDC. (Ayers) • CERESlib (SCCR 732) was installed, compiled, and testing on *magneto-P4*, *AMI-P6*, and *AMI-X86*, and released to the ASDC on December 3. (Ayers) • Inversion (SCCR 704) and Instrument (SCCR 716) are currently being tested. (Ayers, Saunders) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders)

Table 3. CERES Subsystem Delivery Schedule – December 2009

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)	October 16	October 30 In Testing	December 11	Terra and Aqua Beta2-Edition3.		X	*magneto-P4*
Instrument (SCCR 731)	October 23	November 6 In Testing	December 11	Build that runs full Terra/Aqua Baseline1-QC and Edition1-CV. PGE 1.1P8 (C++).			*AMI-P6*
ERBE-like (SCCR 727)	October 9	October 23 In Testing	December 11	Delivering PGE CER2.4P1 (Unfiltering).	X		*magneto-P4*
ERBE-like (SCCR 735)	October 30	November 20 In Testing	December 11	Delivering the Subsystem 3 PGEs.			*magneto-P4*
Instrument (SCCR 716)	October 30	November 20 In Testing	December 11	Terra/Aqua delivery of all Ada PGEs except CER1.1P7 to X86 platform.			*AMI-X86*
Instrument (SCCR 717)	November 20	December 4	December 11	Delivery of PGE CER1.1P7 to X86 platform for NPP. (Ada)			*AMI-X86*
ERBE-like (SCCR 734)	November 27	December 11	December 18	Delivering the remaining Subsystem 2 PGEs.			*magneto-P4*
GGEO (SCCR 736)	November 27	December 11	December 18	Edition2 ISCCP-D2like-GEO (PGE CER11.7P1). [All ISCCP-D2like HDF products will have the same format.]			*magneto-P4*
TISA Gridding (SCCR 746)	December 4	December 18	December 25	Edition2 ISCCP-D2like-Day/Nit (PGE CER9.0P1). [All ISCCP-D2like HDF products will have the same format.]			*magneto-P4*
GGEO		???		Beta1-Edition3 GGEO delivery.			*magneto-P4*

Table 3. CERES Subsystem Delivery Schedule – December 2009

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-Merge (?) product. [All ISCCP-D2like HDF products will have the same format.]		X	*magneto-P4*
Regrid MOA	December 24	January 8	January 15	Deliver MOA PGEs to *AMI*.			*AMI-P6 & AMI-X86*
Inversion (SCCR 722)	January 1	January 15	January 22	Incorporate Edition3 IESs into SSFs without having to rerun Clouds.		X	*magneto-P4*
Instrument (SCCR 747)	January 1	January 15	January 22	Pre-processor (PGE 1.0P2) updates. (C++)			*AMI-P6*
TISA Gridding (SCCR 739)	January 15	January 29	February 5	SFC Terra and Aqua Beta2-Edition3. PGEs CER9.2P2, CER9.3P2, & CER9.4P2.	X	X	*AMI-P6*
TISA Averaging	January 29	February 12	February 19	SRBAVG-nonGEO Beta2-Edition3. New PGE for the subsetter code.		X	*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*

Table 3. CERES Subsystem Delivery Schedule – December 2009

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 Averaging		March 2010		SRBAVG-GEO Beta2-Edition3. Adding Model C surface fluxes and solar insulation.			*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*
Instantaneous SARB		April 2010		New PGE to produce MATCH input files.		X	*magneto-P4*
Clouds		June 2010		Terra and Aqua Edition3.			*AMI-P6*
Inversion		July 2010		Terra and Aqua Edition3.			*AMI-P6*
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 – December 2009

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
Instrument/ ERBE-like	N/A	December 11		Terra & Aqua Edition2 gain and spectral response function files for January 2009 – September 2009.	*warlock/ magneto/ AMI*
Instrument	N/A	January 8		Terra Edition3 gain files for January 2005 – March 2009.	*warlock/ magneto/ AMI*
ERBE-like	N/A	January 15		Terra Edition3 spectral response function files for Launch – December 2004.	*warlock/ magneto/ AMI*
ERBE-like	N/A	January 22		Terra Edition3 spectral response function files for January 2005 – March 2009.	*warlock/ magneto/ AMI*
Instrument	N/A	February		Aqua Edition3 gain files for Launch – March 2009.	*warlock/ magneto/ AMI*
ERBE-like	N/A	February		Aqua Edition3 spectral response function files for Launch – March 2009.	*warlock/ magneto/ AMI*
Instrument/ ERBE-like	N/A	???		TRMM Edition3 gains and spectral response function files.	*warlock/ magneto/ AMI*

Table 5. SCCR Activity November 24 at 4:00 p.m. – December 7 at 3:30 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
721				X		5		
724				X		CERESlib		
723					X	1		
728				X		5		
733				X		5		
739			X			9		
740			X			2 & 3		
744				X		5		
746			X			6 & 9		
747	X					1	14	
748	X		X	X		Perl Lib	15	

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

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

Subsystem: Instrument SCCR Date & TIME: 2009-12-03 10:04:19 SCCR No.: 747

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
Reqt. 1-34
Update CER1.0P2 to run on the new AMI P6 platform along with updates to properly handle zero length datasets in the HDF5 file.

Reason for Change (Science):
Reqt. 1-34
Test data from NPP shows that in cases of missing data a zero length dataset will be created in the HDF5 RDR. The existing code cannot handle this correctly as it was not expected.

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:
CER1.0P2

Estimated Time to Complete Change: 2 months
Planned Delivery Date: Jan. 15, 2010
List Affected Subsystems and PGE Names: CER1.0P2

Originator: COOPER, DENISE L. (SSAI)

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

Subsystem: Perl_Lib SCCR Date & TIME: 2009-12-03 12:21:06 SCCR No.: 748

Parameter Change: ( ) YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
Initial delivery of Pcf.pm, Dates.pm, pcf_env_p6.pl, and pcf_env_x86.pl

Reason for Change (non-Science):
Preparation for AMI deliveries and pcf changes that are needed.

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: 12/3/2009
List Affected Subsystems and PGE Names: N/A

Originator: ZENTZ, SCOTT M. (SSAI)

Table 6. December 9, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Zentz	• No new updates. (Zentz)	
1.0	Cooper (Walikainen)	• CER1.1P7 the Ada NPP Level-0 processor was delivered to CERES CM on Dec. 3rd. This is the last Ada PGE to be delivered to the new *AMI* system. Once all the Ada PGEs have been through CERES CM and SIT testing, the Instrument Subsystem can officially be taken off of *warlock*. (Cooper) • The problem with the BDS compression program is still being worked. Bob Grandel is helping to determine the cause of the problem. However, at this time, the program works for him on both the P6 and x86 without issues. Thomas is working with Bob to determine what the differences are in their environments. (Grepiotis) • There is a possibility that the Edition3 gains delivered in November will be recalled and all of the processed Edition3 BDS/IES files will need to be reprocessed once a new set of gains is delivered. An error in determining the ground to flight shift was discovered after the processing had completed. (Cooper, Hess, Thomas, Walikainen) • Waiting for approval from Kory Priestley to deliver Edition2 gains for Terra and Aqua through September 2009. (Cooper)	
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) • Plan to deliver SCCR-734 (12/11), the last code delivery for migration to *magneto*. Also, this delivery handles a Science Team request to adjust FM2's radiances to equal FM1's at mission start (Mar 2000). The four part adjustment (SW, LW day,WN and LW night) also applies for Inversion radiances. (Walikainen)	

Table 6. December 9, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0	Walikainen (Cooper) (Continued)	• Generated a full set of SW and TOT unfiltering coefficients for FM1. The spectral responses used as inputs have different levels of degradation as before, but the TOT is scaled higher to account for an error in recently delivered Terra gains. (Walikainen) • Created a set of enhanced FM2 TOT channel unfiltering coefficients. (Walikainen)	
3.0	Walikainen (Cooper)	• Combined with above.	
4.1	Sun-Mack (Brown)	• Global plots were created for SSF data for Terra and Aqua for 200709 and the results posted on the Web. (R. Brown). • Global images for Ed3 Beta 2 ISCCP results were produced. Global images, plots and stats were added to the Web. Cloud Height images for Ed3 Beta 2 were processed using new colorbar. (Smith, R. Brown) • Worked on Orthogonal projection script to add to QC processing. (Chen, Brown). • Worked on ValR14b QC results for Aqua and Terra. (Brown, Chen, Sun-Mack). • Continued work on automating clouds QC ISCCP post processing plotting. (Smith) • Modified colors and presentation of ISCCP plots. (Smith). • Continued development on Google Earth KML generation script (added Sub-Folders to organize imagery data by Hour). (Heckert) • Continued development on CERES Parameters Catalogue Document generation script and database for the CERES Ordering Tool project. (Heckert) • Worked on NEWS code and processing. (Sun-Mack) • Worked on *AMI* transition. (Chen, Sun-Mack) • Worked on retrieval paper. (Sun-Mack)	

Table 6. December 9, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.2	Sun-Mack	• Combined with above.	
4.3	Sun-Mack	• Combined with above.	
4.4	Miller (Igor Antropov)	• Worked on a program to fill the point spread function for the footprint with MODIS albedo data. (Antropov) (Edition3)	
4.5	Sothcott	• Attended weekly SOFA working group meetings. (Sothcott) • Processed one month of Edition3 Beta2 data using Edition2 input at the SCF for the TISA group. (Sothcott) • Completed additional testing of the IES-SSF software and delivered testing results and plots to science for review. (Sothcott) • Supported SSIT testing efforts of the Edition3 Beta2 (SCCR 704) delivery. (Sothcott)	
4.6	Sothcott	• Combined with above.	
5.0	Caldwell (Coleman)	• No new updates. (Caldwell)	
7.2	Caldwell (Coleman)	• No new updates. (Caldwell)	
12.0	Caldwell (Coleman)	• Running analysis of GEOS4 data requested by Tom Charlock. (Caldwell)	
7.1	Nguyen (Raju, Filer)	• No new updates. (Nguyen)	
8.0	Nguyen (Raju, Filer)	• Provide support for the code optimization testing. (Nguyen)	
10.0	Nguyen (Raju, Filer)	• Working on Beta2-Edition3 nonGEO SRBAVG code to create the data structures. (Nguyen) • Adding GGEO to SRBAVGLite to create SRBAVGLite-GGEO. (Nguyen)	
6.0	Raju (Nguyen)	• No new updates. (Raju)	

Table 6. December 9, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0	Raju (Nguyen)	• Met with Dave Doelling and recived instructions for the Beta Edition3 SFC process and the software delivery. The delivery date moved from December 2009 to the end of January 2010. The software updates includes: the output product file name changes, writing daily HDF files instead of zonal HDF files, and the software delivery to *AMI*. (Raju) • Started working on the scripts and the code to incorporate the above changes. (Raju, Parrish) • Received instructions from Moguo Sun regarding ISCCP-D2like Merge process. Started working on the PCF scripts to include 6 months of SSF HDF input files (3 months each - previous, current, following months of Terra & Aqua), 6 months of zonal intermediate outputs, 3 months of merged (FM1FM3) intermediate zonal outputs, 3 months of GGEO inputs, in one PCF. According to science team, previous and following months' inputs are needed to create coefficients for the current month process. (Ron Parrish, Raju) • Generated ISCCP-D2likeDay/Nit products at SCF are validated and approved by Moguo Sun. Preparing for the up-coming delivery. (Raju) • Work continued to complete PGE CER9.2P2 code for Edition 3. (Ron Parrish) • Scripts for CER9.2P2, CER9.3P2, CER9.4P2 were updated. (Ron Parrish) • Test Plan and User's Guide were updated for Edition 3. (Ron Parrish)	
11.0	Raju (Nguyen)	• Modified ISCCP-D2likeGEO software to write output HDF product using same format as the ISCCP-D2likeDay/Nit products. Ran 5 months of data for science validations. Preparing for the up-coming delivery. (Raju) • Work continued to convert PCF shell scripts to perl. (Ron Parrish)	
CERES -lib	Zentz	• No new updates. (Zentz)	

Table 6. December 9, 2009 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Production Processing Database		• Continuing to populate database with current information while preparing to convert from MySQL to Postgres. (Coleman)	
Ordering Tool		• Internal Testing continued on the new ordering tool. (Ron Parrish)	
Optimization/ Automation		• Account obtained on ODU machine for parallelization study. (Coleman) • Putting sample PRs in spreadsheet as step towards determining requirements for PR database. (Coleman)	

Table 7. December 9, 2009 – Other NPP Issues

Activity	Status
Telecons/ Meetings	• Attended the December 2 NPP Science Data Segment telecon. The main topic was the status of the SD3E Interface Test being conducted by SDS in place of the rescheduled NPP GSIT. Data were successfully streamed from the SD3E to PEATEs. Formal GSITs are tentatively scheduled to resume in March 2010. (Closs)
System Engineering	• Reviewed and refined the ERB CARS software build schedule in response to changes in the CERES subsystem delivery schedule. The current schedule calls for a build 2 delivery February 26 to support NPP GSIT testing in March. (Closs)