

March 2, 2011 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 03/02/11
Active Requests in order of priority as of 02/28/11**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
M-PR 3-02		NSIDC- NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	
M-PR 1-09		NSIDC- NESDIS	EICE ESNOW 16 th mesh	4.1-4.0P2	Standing Request	
AM- PR 6-05, 7-05, and 1-10 to 4-10	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	The ERBE-like PRs AM 1-10 thru 4-10 replace standing requests AM- 2-05 thru 5-05.
PM-PRs 16-05, 18-05, 2-10, 4-10, 6-10, 8-10	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	The ERBE-like PRs PM 2-10, 4-10, 6-10, & 8-10 replace standing requests PM-PRs 17-05 & 15-05.
PM-PRs 11-05 to 14-05 1-10, 3-10, 5-10, 7-10	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	The ERBE-like PRs 1-10, 3-10, 5-10, & 7-10 replace standing requests PM-PRs 11-05 & 13-05

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M-PR-2-10 PR M 1-11 SCCR 753 830	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	** NEW Standing PR Number – Delta delivery due to GMAO filename change (from “200” series to “201” series)
PR M 1-10 SCCR 753	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	
PRs 01-11 thru 05-11 SCCR 755	FM1, FM2, FM3, FM4	ValR22	BDS	1.1P8 1.2P1	3/31/00 (Terra) 9/30/02 (Aqua) 11/30/04 (Both) 4/30/09 (Both)	Ready
PR 32-11 SCCR 755	FM5	ValR22	BDS	1.1P8	2/28/03	Pending input
PRs 185-10 thru 187-10 SCCR 782	Terra	ValR15 (for Ed1-CV)	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	12/07	Canceled. 2/14/11
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	11/30/07 – 3/1/10 7/1/10	In progress NOTE: Priority will be lower for post-3/1/10 dates Priority Level 2
PR 48-09 SCCR 690	FM3, FM4	Edition2D/ Ed2D-NoSW	SSF	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	11/30/07 - 3/1/10 7/1/10	In progress NOTE: Priority will be lower for post-3/1/10 dates Priority Level 2
PRs 9-10 thru 10-10 SCCR 650	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	3/2000 – 10/05	Ready. ValR2 Approved. Priority Level 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 7-10 thru 8-10 SCCR 650	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	7/2002 – 10/05	Ready. ValR2 approved Priority Level 2
PRs 5-10 thru 6-10 SCCR 650	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	11/05 – 2/10	Ready. ValR2 approved Priority Level 2
PRs 3-10 thru 4-10 SCCR 650	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	11/05 – 2/10	Ready. ValR2 approved Priority Level 2
PRs 84-10, 76-10, 92-10 SCCRs 812, 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	7/2/02 – 3/30/05	Ready Priority Level 3
* PRs 111-10 thru 113-10 (partial – remainder) SCCR 789	Aqua XTrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	7/02 – 4/06 NOTE: Dates 7/02 thru 3/05 should only need to be processed at this point	Ready – 4/05 thru 4/06 should already be processed Priority Level 3
PR 100-10 SCCR 794	FM3, FM4	Edition3A	SAH	5.0P2	7/02 – 3/05	Ready Priority Level 3
PR 46-09	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P1	12/1/07 - 6/30/10	Process 1 st month and wait for SS checkout Priority Level 3
PR 45-09 SCCR 685	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	12/1/07 - 6/30/10	Pending input Priority Level 3

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 53-10 thru 62-10 SCCRs 741, 690, and 685	FM1, FM2	Edition2G	SSF, SFC	Clouds, Inversion, TISA-Gridding SS9	3/2/10 - 7/1/10	In Progress Priority Level 3
PR 47-09 SCCR 685	FM3, FM4	Edition2D/ Ed2D-NoSW	SFC	9.2P1 9.3P1 9.4P1	11/30/07 - 3/1/10 7/1/10	In progress NOTE: Priority will be lower for post-3/1/10 dates Priority Level 3
PRs 66/67/68-10, SCCR 781	FM1	Edition2G	CRS	5.0P1 5.1P1 5.4P1	12/1/07 – 2/28/10 6/30/10	Pending further input for 3/10 NOTE: Priority will be lower for post-3/1/10 dates Priority Level 3
PRs 63/64/65-10 SCCR 685	FM1	Edition2G	FSW	6.1P1 6.2P1 6.3P1	12/1/07 – 2/28/10 6/30/10	Pending further input for 3/10 NOTE: Priority will be lower for post-3/1/10 dates Priority Level 3
PRs 136-09, 137-09 SCCR 746	FM1, FM2, FM3, FM4	Edition2A	ISCCP- D2like- Day/Nit	9.0P1	Launch thru 10/02	Ready. Priority Level 3
PRs 10-11 thru 13-11 SCCR 690	FM1 FM2	Edition1-CV	SSFI	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	7/10 – 10/10	Complete. 2/28/11
PRs 7-11 thru 9-11 SCCR 782 (828 scripts)	FM1, FM2	Edition1-CV	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	6/30/10 thru 1/1/11	Complete. 2/28/11

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
**** The PRs that follow cannot be processed until the PGEs have completed pre-operational testing and been promoted ****						
PRs 194-10 thru 201-10, and 20-10 thru 35-10	FM1, FM2, FM3, FM4	ValR17, ValR17-Ed2, ValR17-Ed3	BDS	1.1P5 1.2P1 1.3Px	Selected dates	Pending Promotion
PRs 01-11 thru 05-11 SCCR 755	FM1, FM2, FM3, FM4	ValR22	BDS	1.1P8 1.2P1	3/31/00 (Terra) 9/30/02 (Aqua) 11/30/04 (Both) 4/30/09 (Both)	Pending Promotion
PRs 14-11 thru 15-11 SCCR 770	FM1, FM2, FM3, FM4	ValR23		1.4P2	3/31/00 (Terra) 9/30/02 (Aqua) 11/30/04 (Both) 4/30/09 (Both)	Pending promotion
PR 16-11 SCCR 747	FM5	PreLaunch		1.0P2	9/6/02 (tentatively)	Pending input data
PRs 19-11 thru 28-11 SCCRs 831, 693, 829, 690	FM3 FM4	Edition1-CV Ed1-CV- NoSW	SSF	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2 4.5-6.2P2 4.5-6.4P1 4.5-6.1P3	6/30/10 – 1/1/11	Pending Promotion
PRs 164-10 thru 169-10	Merged	Edition3A	TSI	10.0P3, 7.3.1P1	7/02 - 2/10	Pending Redelivery
PRs 173-10-175-10, 183-10 (Excel Only) SCCR 804 797	Merged	Edition3A	SYNI	7.2.1P1	7/02 – 12/07	Ready. Pending input from code that is pending redelivery
PRs 188-10 thru 191-10 SCCR 795	Merged	Edition3A	SYN1deg-3Hour/ M3Hour/ Month	8.1P1	7/02 – 12/07	Pending Promotion

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 04-11, 03-11	Terra XTrk	Edition3A	TSIB	10.0P3 7.3.1P1	03/2000 – 06/2002	Pending Redelivery
PR 02-11	Terra XTrk	Edition3A	SYNI	7.2.1P1	03/2000 – 06/2002	Ready. Pending input from code that is pending redelivery
PRs 176-10 thru 182-10 (Excel Only) SCCRs 811, 791, 690, 789, 794	Terra	Edition3A	SSF, SFC, SAH	4.5-6.5P4 4.5-6.2P2 4.5-6.4P1 5.0P2 9.2P2, 9.3P2 9.4P2	3/00 – 10/05	Pending promotion of SCCR 811, which is pending completion of PR 86-10 (which completed 12/30/10)
PRs 16-10 SCCR 749	CERES	ValR4x86-Ed3	MOA	12.1P2	7/04	Pending promotion
PR 15-10 SCCR 749	CERES	ValR4p6-Ed3	MOA	12.1P2	7/04	Pending promotion
PR 37-10 SCCR 749	CERES	ValR4x86-Ed2	MOA	12.1P1	7/04	Pending promotion
PR 36-10 SCCR 749	CERES	ValR4p6-Ed2	MOA	12.1P1	7/04	Pending promotion
PR 6-11 SCCR 749	CERES		MOA	12.1P2	2/28/2000 – 3/1/2010	Pending Promotion and ValR4xxxx testing
PRs 29-11 thru 31-11 SCCR 763	Terra, Aqua	Beta1	ISCCP-D2like-Mrg	9.0P2 9.0P3	200107 200401 200404 200407 200410	Pending promotion
**** PRs to be written ****						
	FM2, FM4	Edition3A	SSF, SAH	4.5-6.5P4 4.5-6.5P5 4.5-6.2P2 4.5-6.4P1 5.0P2	FM2: 3/06 - 3/1/10 FM4: 4/05 - 3/1/10	

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
	FM1 FM2	Edition3A	SSF	Clouds, Inversion	6/30/10 – 1/1/11	Using Edition1-CV based inputs
	FM3 FM4	Edition3A	SSF	Clouds, Inversion	6/30/10 – 1/1/11	Using Edition1-CV based inputs

Table 2. March 2, 2011 - System Issues and Status

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> Met on determining requirements for PreProduction Environment. (Miller)
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> See Table 3 for the current CERES Subsystem Delivery Schedule and Table 4 for the current CERES Coefficients Delivery Schedule. (Ayers) See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers) Provided the updated Promoted Directories document to the ASDC on February 15. (Ayers) Provided updated Instrument and Regrid MOA scripts to the ASDC. (Ayers) Installed the Instrument delta delivery (SCCR 835) on <i>AMI-P</i> and provided it to the ASDC on February 17. (Ayers) Updated, posted on the Web, and provided to the ASDC the updated Regrid MOA (SCCR 749) Operator's Manual. (Saunders) Testing TISA Gridding (SCCR 763) on <i>AMI-P</i>. (Cooper)
<i>AMI</i> Job Submission Scripts – Phase 1	Ayers (Grepitotis)	<ul style="list-style-type: none"> Development continues on the scripts for the upcoming ERBE-like delivery. Five of the seven scripts have been provided to the subsystem for testing. (Grepitotis, Hillyer)

Table 3. CERES Subsystem Delivery Schedule – March 2011
(CERES Science Team Meeting: April 26 – 28, 2011, in Newport News, VA)
(NPP Launch Date: October 18, 2011)

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
TISA Gridding (SCCR 763)	October 15	October 29 In CM Queue	November 5	Beta1–Edition2 delivery of 2 new PGEs (CER9.0P2 & CER9.0P3) for new ISCCP-D2like-Mrg product. [All ISCCP-D2like HDF products will have the same format.]		X	<i>AMI-P6</i>
CERESlib (SCCR 827)	February 18	March 4	March 11	Clouds updates.			<i>AMI-P6, AMI-x86, & magneto-P4</i>
Clouds (SCCR 809)	February 18	March 4	March 11	Terra and Aqua Beta1-Edition4 . PGEs CER4.1-4.1P6, CER4.1-4.2P5, CER4.1-4.2P4, and CER4.1-4.3P3.			<i>AMI-P6</i>
Perl_Lib (SCCR 834)	February 18	March 4	March 11	Updates to Pcf.pm and Dates.pm.			<i>AMI-P6 & AMI-x86</i>
ERBE-like (SCCR 740)	February 18	March 4	March 11	Delivery of all ERBE-like PGEs to <i>AMI</i> . (Edition2/Edition3)			<i>AMI-P6</i>
TISA Averaging (SCCR 833)	February 28	March 11	March 18	Corrections and updates to SCCR 796.			<i>magneto-P4</i>
TISA Gridding (SCCR 765)	March 11	March 25	April 1	Beta1-Edition2 ISCCP-D2like-FlxDay/Nit (PGEs CER9.5P1 & CER9.5P2).		X	<i>AMI-P6</i>

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(NPP Launch Date: October 18, 2011)

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
Inversion (SCCR 814)	March 18	April 1	April 8	Terra and Aqua Beta1-Edition4 . PGEs CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3 and CER4.5-6.4P2.			<i>AMI-P6</i>
Instrument		May		Build corrects all NPP errors found so far. Last Build before launch freeze date. Might not be needed. Includes pre-processor.			<i>AMI-P6</i>
Instantaneous SARB		Spring		Beta1-Edition4 CRS.			<i>AMI-P6 & AMI-x86</i>
GGEO		Summer		Beta1-Edition4 GGEO delivery.			<i>AMI-P6</i>
Instrument (SCCR 641)		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	<i>magneto-P4</i>

SCF Processing

Subsystem	Reason for Delivery	SCF Platform
TISA Averaging (SCCR 766)	SRBAVG-nonGEO Beta2-Edition3 . New PGE CER10.1P1 for the subsetter code.	<i>AMI-P6</i>

Table 4. CERES Coefficients Delivery Schedule – March 2011

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
		Nothing scheduled at this time.			

Table 5. SCCR Activity February 14 at 5:00 p.m. – February 28 at 1:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
747				X		Instrument		
749			X			Regrid MOA		
755				X		Instrument		
827			X			CERESlib		
833			X			TISA Averaging		
834			X			Perl_Lib		
835	X		X			Instrument	13	

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

CERES Software Configuration Change Request Submittal

=====

Subsystem: Instrument SCCR Date & TIME: 2011-02-17 13:38:51 SCCR No.: 835

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Update SGE Driver script to correct filename (Reqt. 1-34)

Reason for Change (non-Science):

When data is not available for the run, the created PCF.log filename was missing the Production Date. The production date will be added to the filename.

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.OP2

Estimated Time to Complete Change: 5 mins

Planned Delivery Date: 2/17/2011

List Affected Subsystems and PGE Names: Instrument, CER1.OP2

Originator: COOPER, DENISE L. (SSAI)

Table 6. March 2, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Grepitotis)	<ul style="list-style-type: none"> • Nothing to report. (Hillyer) 	
CERES-lib	Grepitotis (Hillyer)	<ul style="list-style-type: none"> • Nothing to report. (Grepitotis) 	
Perl_Lib	Hillyer (Grepitotis)	<ul style="list-style-type: none"> • Added “test_suites” and test driver framework to Perl_Lib. (Hillyer) • Added error checking to the Dates module to report back if the year, month, day, or hour did not fall within their valid range. (Grepitotis) • Added checks to verify the necessary arguments were passed to a Dates module subroutine. (Grepitotis) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> • Continue to work with SIT as they test the Instrument SCCRs delivered to <i>AMI-P</i>. Several of the SCCRs have been promoted and are now in ValRx testing. Answering questions as necessary. (Cooper) • Work continues to update CER1.1Px and CER1.3P3 to include CER1.2P1 Pre-ES8 generation. This is a low priority item. (Cooper) • PGE CER1.0P2 updates will be tested using the NCT 3 Part II data. This update for the PGE will be delivered after NCT 3 Part II is completed and any issues uncovered by running the NCT 3 data are fixed. (Spivak) • Work continues to port all existing validation code over from <i>spg10</i> and <i>warlock</i> to <i>AMI</i>. (Cooper, Snyder) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Created PR 32-11 to extend the validation of PGE 1.1P8 to include the NPP-FM5 sampling strategy case as part of SCCR755, ValR22. (Lande) • Finished updating CER3.2P1 to enable Thomas to add SGE capability to it. Debugged new version and verified command line test. (Lande) • Upgraded CER3.1P1 to conform with Thomas's initial SGE modifications of 2/14/11. Debugged new version and verified command line test. (Lande) 	

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SS No.	SS Lead	Status	Problems
2.0 (Cont'd)	Walikainen (Lande)	<ul style="list-style-type: none"> • Upgraded CER2.2/2.3 PGEs to work with the new Perl lib Dates.pm module. Finalized anc and data tar files. (Lande) • Updated recompilation section of Test Plan document after successful test of TK16 version of gen_es8hdf. Began work on adding SGE testing. (Lande) • Finalized Test Plan for CER2.1P1 to include SGE testing. (Walikainen) • Provided FLASHFLUX team a comparison of recently delivered Edition3 unfiltering coefficients with the Edition2 version they are currently using. (Walikainen) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Finished producing 12 monthly surface emissivity maps for channels 3.7, 8.5, 11, and 12 μm, by using CIMSS Global Infrared Land Surface Emissivity Database of Terra and Aqua respectively for 2007. (Chen) • Tested the daacget/daacIs on AMI, requested by the ASDC. (Chen) • Finished processing July, August, September, October, November, and December of 2006 NEWS data with RelB1 version. The corresponding months of QC plots were processed and can be viewed on the NEWS Web site. (Chen) • Started to gather input data for processing 2009 data for NEWS. So far, processed half of the year 2009 NEWS data. (Chen) • Completed the development of 1P6/2P5 2-day run script. (Smith) • Completed updates to the Clouds Operator's manual and Test Plan for 1P6, 2P4, 2P5, and 3P3. (Smith) • Updated necessary scripts for Clouds Ed4 delivery. (Smith) 	

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4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • QC global images and statistics were processed for Terra and Aqua Edition4 Validation for 20070707, 20070730, and 20071215. Difference results were produced and posted among various testing versions of Edition4. (R. Brown) • FLASHFlux QC global images and statistics for Terra and Aqua were produced for January 2011. Results were posted on the Web. (R. Brown) • Began code modifications/additions to the CloudVis Viewer to add functionality to produce batch runs of difference masks created from separate files. The script processes were developed and tested to run on the machine <i>AMI</i>. Although previous code existed to produce such difference masks, it's function was limited. The new tool will allow much greater flexibility and depth of function, and will aid in version control efforts by reducing the number of separate codes. (Gibson) • Developing the capability to generate an XML file from the CERES Web site product information pages to be used to submit orders to the ASDC DropBox. (complete but not yet live). (Heckert) • Worked with Rita Smith on issues that arose regarding Clouds Ed4 delivery. (Sun-Mack) • Took a look at the CloudSat Heating Rate Product. Worked on Heating Rate validations and comparisons between NEWS-CERES and CloudSat. (Sun-Mack) 	
4.2	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.3	Sun-Mack	<ul style="list-style-type: none"> • Combined with above. 	
4.4	Miller (Antropov)	<ul style="list-style-type: none"> • Produced a comparison of Edition1-CV and Edition2G Terra FM1 and FM2 data. (Miller) • Reviewed white paper on FM5 and FM6 data flows. (Miller) • Provided training on Requirements Management to two groups. (Miller) • Worked on the program to introduce the new GRing construction algorithm. (Antropov) (Edition4) 	

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4.4 (Cont'd)	Miller (Antropov)	<ul style="list-style-type: none"> Reviewed draft paper for NEWS flux paper. (Miller) Corrected a couple of bugs in convolution for C3M processing. (Miller) Investigated failures in inversion code and identified several potential changes. (Miller) 	
4.5	Sothcott	<ul style="list-style-type: none"> Continued work on Edition4-Beta1 delivery adding updates to use the LASP SORCE TSI data as an ancillary file for Solar Constant values. (Sothcott) Processed the latest Clouds data offline for use by the SARB group. Also, processed one month of older Clouds data for review by the SOFA group. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Working on Edition4 CRS. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> No new updates. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> No new updates. (Caldwell) 	
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> Validated cloud properties. Compared TSI liquid and ice properties with cloud properties from the Lite products. (Nguyen) Ran 200607 Terra only TSI to compare liquid and ice properties with v07 SYN1deg Lite data. (Nguyen) Support Dave Doelling in investigating the loss of half amount of Aqua xglb data. The result from this investigation is the partially xglb data were missing due to too many SGE jobs were submitted at the same time. (Nguyen) Preparing for the SCCR 833 delivery. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> Providing Dave Doelling with plots as requested. (Lock) Ran SS8 with TSIB Edition3A data. Provided validation plots on the Edition3A data. (Lock) 	

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10.0	Nguyen (Lock)	<ul style="list-style-type: none"> • Ran 200607 v07 SYN1deg Lite to compare with TSI cloud data. (Nguyen) • Updating the Lite code to include the cloud height. (Nguyen) • Changed the use of solar constant to use SORCE TSI data in PGE CER10.0P3. (Nguyen) • Preparing for SCCR 833 delivery. (Nguyen) 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> • No new updates. (Raju) 	
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> • As per Dave Doelling's request, modified PGE 9.2P2 cloud code to calculate Liquid/Ice parameters based on the cloud Phase value. Sent requested read in SSFB FOV and the calculated Liquid /Ice output to TISA Averaging for comparisons with SRBAVG Lite inputs. (Raju) • Processed 07/2006 Terra data through PGEs' CER9.2P2 and CER9.3P2 at SCF to create SFCB monthly product for TSI testing. (Raju) • Updated PGEs 9.0P2 and 9.0P3 scripts to remove 'arch' variable that was found during CM testing. Sent updates to CM to continue testing. (Raju) • It was found that PGE 9.0P2 data expected outputs were created without FM2 inputs in the process. Created new data expected outputs and sent them to CERES CM. (Raju) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Continued to run CER11.2P2 with new 5-channel cloud retrieval GOES-11 files and validating GGEO 1-hourly outputs. (Raju) • Continued to validate GGEO 3-hourly Web plots from 11/05 – 02/10 for any missed hours that showed bad scans. (Raju) • As per Dave Doelling's request, worked with Hazari to show how to check raw McIDAS images to eliminate bad scan data. (Lock) 	

Table 7. March 2, 2011 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Continuing to implement feedback from PR Database General Query demo. (Heckert, Grune) • Developed/documented proposed sets of user classes/permissions for PR Web site, as well as documenting the possible statuses and priorities that can be assigned to a PR. (Coleman) • Met with Bob Grandle to discuss best approaches for communicating PR information between the database server, the Web server, and the production processing environment. (Key, Magill, Parrish, Coleman) • Developed Perl code with two-way socket communication between a client running on SGE and a multithreaded server running on AMI. (Parrish) • Continued development of prototype for submitting jobs using information obtained from the PR database. (Magill) • Developed state transition diagram for new PR Status field. (Parrish)
Ordering Tool (Kizer)	<ul style="list-style-type: none"> • Continued working on the updates to the GUI interface for the CERES Ordering Tool – nearly complete. (Heckert)

Table 8. March 2, 2011 – NPP Issues

Activity	Status
FM5	• Nothing new to report. (Closs)

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)	
Subsystem ID	PGE ID	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	Comments
Instrument - 1	CER1.0P1	N	N	N/A	N	N/A	N	N/A	n/a	Will comply with all the latest whenever delivered
	CER1.0P2	N	N	N/A	SSI&T	16	SSI&T	16	SSI&T	C++ RDR Pre-Processor
	CER1.1P1	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	To be disabled when C++ working- CER1.1P8
	CER1.1P3	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	To be disabled when C++ working- CER1.1P8
	CER1.1P5	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	To be disabled when C++ working- CER1.1P8
	CER1.1P7	SSI&T	N	N/A	N	N/A	Y	16	Y	Ada NPP
	CER1.1P8	N	N	N/A	Y	16	Devel	16	Y	C++ NPP, Terra, Aqua
	CER1.2P1	Y	N	N/A	SSI&T	16	SSI&T	16	SSI&T	C code, NPP capable.
	CER1.3P1	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	Replace with CER1.4P1 on P6
	CER1.3P2	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	Replace with CER1.4P2 on P6
	CER1.3P3	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	Replace with CER1.4P3 on P6
	CER1.4P1	N	N	N/A	SSI&T	16	SSI&T	16	SSI&T	
	CER1.4P2	N	N	N/A	SSI&T	16	SSI&T	16	SSI&T	
CER1.4P3	N	N	N/A	Devel	16	Devel	16	N		
ERBE-like - 2	CER2.1P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER2.2P1	Y	Y	15	Devel	16	Devel	16	Devel	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER2.3P2	Y	Y	16	Devel	16	Devel	16	Devel	
	CER2.4P1	Y	Y	16	Devel	16	Devel	16	Devel	
ERBE-like - 3	CER3.1P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER3.2P1	Y	Y	16	Devel	16	Devel	16	Devel	

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)	
Subsystem ID	PGE ID	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	Comments
Clouds 4.1-4	CER4.1-4.0P1	Y	N	N/A	N	N/A	N	N/A	n/a	
	CER4.1-4.0P2	N	Y	15	N	N/A	N	N/A	n/a	Migration to AMI not in near future
	CER4.1-4.1P4	Y	Y	16	N	N/A	N	N/A	n/a	warlock version recompiled for 2008 Edition2, Possibly use P4 for 3/10 forward
	CER4.1-4.1P5	Y	Y	16	N	N/A	N	N/A	n/a	warlock version recompiled for 2008 Edition2, Use P4 for 3/10 forward
	CER4.1-4.1P6	N	Y	16	Devel	16	N	N/A	Devel	Beta2-Ed3 (P4), Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P2	Y	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P3	Y	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P4	N	Y	16	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future
	CER4.1-4.2P5	N	Y	16	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future
	CER4.1-4.3P2	Y	Y	15	N	N/A	N	N/A	n/a	Ed2
CER4.1-4.3P3	N	Y	16	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future	
Inversion/SOF A 4.5-6	CER4.5-6.1P2	Y	ValRx	16	N	N/A	N	N/A	n/a	Ed2 Terra Main
	CER4.5-6.1P3	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 Aqua Main
	CER4.5-6.1P4	N	Y	16	Devel	16	Devel	16	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	Y	16	Devel	16	Devel	16	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.2P2	Y	Y	15	N	N/A	N	N/A	n/a	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	Y	16	Devel	16	Devel	16	Devel	Subset postproc for Terra and Aqua (Ed4 version of 2P2)
	CER4.5-6.2P4	N	Y	16	N	N/A	N	N/A	n/a	Ed3 daily post-processor
	CER4.5-6.3P2	Y	SSI&T	16	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i> Terra alternate
	CER4.5-6.3P3	Y	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P1	Y	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	Y	16	Devel	16	Devel	16	Devel	Monthly validation site (Ed4 for 4P1)
	CER4.5-6.5P2	N	N	N/A	N	N/A	N	N/A	n/a	IES-SSF Terra New PGE, Ed4 format
	CER4.5-6.5P3	N	N	N/A	N	N/A	N	N/A	n/a	IES-SSF Aqua New PGE, Ed4 format
	CER4.5-6.5P4	N	Y	16	N	N/A	N	N/A	n/a	IES-SSF Terra New PGE, Ed2 format
CER4.5-6.5P5	N	SSI&T	16	N	N/A	N	N/A	n/a	IES-SSF Aqua New PGE, Ed2 format	
CER4.5-6.6P2	Y	N	N/A	N	N/A	N	N/A	n/a	Edition2	
CER4.5-6.6P3	Y	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>	

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)	
Subsystem ID	PGE ID	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	Comments
SARB - 5	CER5.0P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER5.0P2	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only for now, Ed3 version requires delta delivery
	CER5.1P1	Y	Y	16	N	N/A	N	N/A	n/a	Ed2 only
	CER5.1P2	N	ValRx	16	N	N/A	N	N/A	n/a	Ed2 only
	CER5.1P3	N	N	N/A	Devel	16	Devel	16	N	New PGE - Edition4 Main for Terra and Aqua
	CER5.4P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
TISA Grid - 6	CER6.1P1	Y	Y	15	N	N/A	Devel	16	n/a	
	CER6.1P2	N	N	N/A	N	N/A	N	N/A	n/a	New PGE for Edition4
	CER6.2P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER6.2P2	N	N	N/A	Devel	16	Devel	16	n/a	New PGE for Edition4
	CER6.3P1	Y	Y	15	N	N/A	N	N	n/a	
TISA Avg - 7.1	CER6.3P2	N	N	N/A	Devel	16	Devel	16	n/a	New PGE for Edition4
	CER7.1.1P1	N	Y	15	N	N/A	N	N/A	n/a	
SARB - 7.2	CER7.3.1P1	N	Devel	16	Devel	16	N	N/A	SSI&T	New PGE for Edition3
	CER7.2.1P1	N	Y	16	N	N/A	SSI&T	16	SSI&T	P4 only Ed2 for now, X86 for Ed2 and Ed3
TISA Avg - 8	CER8.1P1	N	Y	15	SSI&T	16	N	N/A	SSI&T	Migrate to AMI for Ed3
TISA Grid - 9	CER9.0P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.0P2	N	N	N/A	SSI&T	16	N	N/A	SSI&T	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N	N/A	SSI&T	16	N	N/A	SSI&T	ISCCP-D2like-MRG Main-processor
	CER9.1P1	Y	Y	15	Devel	16	Devel	16	N	
	CER9.2P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.2P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.3P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.3P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.4P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
TISA Avg - 10	CER9.4P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER10.0P1	N	Y	16	N	N/A	N	N/A	n/a	
	CER10.0P2	N	Y	16	N	N/A	N	N/A	n/a	
	CER10.0P3	N	Devel	16	Devel	16	N	N/A	SSI&T	New PGE for Edition3

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		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)	
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GGEO - 11	CER11.1P10	N	Y	16	Devel	16	Devel	16	N	
	CER11.2P2	N	Y	16	Devel	16	Devel	16	N	
	CER11.4P1	N	Y	16	Devel	16	Devel	16	N	
	CER11.6P1	N	Y	16	Devel	16	Devel	16	N	
	CER11.7P1	N	Y	16	Devel	16	Devel	16	N	
Regrid MOA - 12	CER12.1P1	Y	SSI&T	16	SSI&T	16	SSI&T	16	SSI&T	
	CER12.1P2	N	Y	16	SSI&T	16	SSI&T	16	SSI&T	

Table 1 Key:		
¹ Status	Y	Currently able to run in production
	Devel	PGE in development, still to be delivered for the first time to the platform.
	SSI&T	PGE delivered and in SSI&T (CM or SIT) testing prior to operational processing
	ValRx	PGE promoted to production on platform, but still undergoing ValRx testing and approving phase
² Prod. Platform	SGL	warlock
	P4	Magneto - IBM P4
	P6	AMI - IBM P6
	X86	AMI - IBM X86
⁷ "New" Wrapper Scripts for AMI Status	Y	Scripts in production
	n/a	Not needed for this PGE
	N	Development not yet begun
	SSI&T	Delivered and in SSI&T (CM or SIT) testing prior to operational processing
	Devel	Development in progress for inclusion in next delivery

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

Revisions:		
Date	Affected Section or PGE/Product ID	Revision Made
1/4/2011	CER12.1P1	Changed P4 status from "Y" to "SSI&T"
1/17/2011	CER7.3.1P1, CER10.0P3, CER7.2.1, CER10.0P1, CER10.0P2	Changed P4 status from "SSI&T" to "Y"
1/31/2011	CER7.3.1P1, CER10.0P3	Changed P4 and P6 statuses from "SSI&T" to "Devel"
2/16/2011	CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 CER3.1P1, 3.2P1 CER4.1-4.1P6, 2P4, 2P5, 3P3 CER4.5-6.1P4, 1P5, 2P3, 4P2	Changed "new" Wrapper status from "N" to "Devel"
2/28/2011	CER1.1P8	Changed P6 and New Wrapper Status to "Y"