

January 25, 2012 - System Issues and Status

Table 1: Process Strategy/Coleman as of 01/25/12
Active Requests in order of priority as of 01/23/12

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
The PRs that follow are the Standing PRs						
M-PR 1-09		NSIDC-NESDIS	EICE ESNOW 16 th mesh	4.1-4.0P2	Standing Request	
PRs NPP 6-11 through 14-11	NPP	AtLaunch	BDS/ ERBELike (SS1-3)	1.0P2, 1.1P8, 1.2P1, 1.4P1, 1.4P2, 2.2P1, 2.3P1, 2.3P2, 3.1P1	Standing Request	
PRs NPP 1-11 through 5-11	NPP	Baseline1-QC	BDS/ ES8	1.0P2, 1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	
*** NEW PRs AM 8-11 thru 11-11 PM 8-11 thru 11-11	Terra Aqua	Baseline1-QC	BDS/ES8	1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	

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*** NEW *** AM 12-11 thru 19-11 PM 12-11 thru 19-11	Terra Aqua	Edition1-CV	BDS/ ERBElke (SS1-3)	1.1P8 1.2P1 1.4P1 1.4P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	Replacement PRs for: AM 7-05, and 1-10 to 4-10 PM 16-05, 18-05, 2-10, 4-10, 6-10, 8-10, 11-05 to 14-05, 1-10, 3-10, 5-10, 7-10
AM 1-11 to 7-11 PM 1-11 to 7-11	Terra Aqua	Edition1-CV	SSF Clouds and Inversion	4.1-4.1P4/5 4.1-4.2P2/3 4.1-4.3P2 4.5-6.1P2/3 4.5-6.2P2 4.5-6.4P1	Standing Request	
PR M 3-11 SCCR 858	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	New PR for AMI processing
PR M 2-11 SCCR 753	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	New PR to coordinate with new standing PR M 3-11
The PRs that follow are the Non-Standing PRs that can be processed						
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	Ready Priority Level 1
PRs 179-10 thru 181-10 SCCR 789	Terra	Edition3A	SFC	9.2P2, 9.3P2 9.4P2	3/00 – 10/05	In Progress Priority level 1

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* 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	In Progress – 4/05 thru 4/06 already processed Priority Level 1
PR 100-10 SCCR 794	FM3, FM4	Edition3A	SAH	5.0P2	7/02 – 3/05	Ready Priority Level 1
PR 182-10 SCCR 794	Terra	Edition3A	SAH	5.0P2	3/00 – 10/05	Ready Priority Level 1
PRs 73-11 thru 75-11 SCCRs 811, 791, 690	FM1, FM2	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	12/2/2010 – 1/1/11	Ready Complete thru 12/31/10 Priority Level 2
PRs 70-11 thru 72-11 SCCR 789	Terra Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	12/2/2010 – 1/1/11	Ready Complete thru 12/31/10 Priority Level 2
PRs 58-11 thru 56-11 SCCRs 812, 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	6/30/10 – 12/1/10 11/1/11	Ready FM3 Complete thru 12/31/10 Priority Level 2
PRs 62-11 thru 64-11 SCCR 789	Aqua Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/30/10 – 12/1/10 11/1/11	Ready Complete thru 12/31/10 Priority Level 2
PRs 164-11 thru 166-11	Terra	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	1/06, 5/06, 6/06	Ready Priority Level 2

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PRs 161-11 thru 163-11	Terra	Edition3A	SFC	9.2P2, 9.3P2 9.4P2	1/06, 5/06, 6/06	Ready Priority Level 2
PR 137-09 SCCR 746	FM1, FM2	Edition2A	ISCCP- D2like- Day/Nit	9.0P1	Launch thru 10/02	In Progress Priority Level 2
PR 136-09 SCCR 746	FM3, FM4	Edition2A	ISCCP- D2like- Day/Nit	9.0P1	Launch thru 10/02	Ready. Priority Level 2
PR 6-11 SCCR 749	CERES	GMAO- G541-Ed4	MOA	12.1P2	2/28/2000 – 3/1/2010	In Progress Priority Level 2
PR 65-11 SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	7/10 – 11/10	Ready Priority Level 2
PR 69-11 SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	12/2010	Ready Priority Level 2
PR 68-11 SCCR 794	FM3 FM4	Edition3A	SAH	5.0P2	3/10 – 6/10	3 / In Progress. FM3 Complete Priority Level 2
PRs 217-11 thru 225-11 SCCRs 871, 791, 690	FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	6/30/10 – 12/4/10 11/1/11	Ready Priority Level 3
PR 87-11 SCCR 865	NPP	ValR23	BDS, IES	1.1P7	9/6/10 – 9/8/10	Ready Priority 3
PR 110-11 SCCR 865	NPP	ValR24	BDS, IES	1.1P7	9/6/10 – 9/8/10	Ready Priority 3
PRs 112-11 SCCR 716	NPP	ValR23	BDS, IES	1.3P1	9/6/10 – 9/8/10	Ready Priority 3

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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: Dates through 4/10 complete Priority Level 3
PRs 9-10 thru 10-10 SCCR 650	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	3/2000 – 10/05	Ready. Priority Level 3
PRs 7-10 thru 8-10 SCCR 650	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	7/2002 – 10/05	Ready. Priority Level 3
PRs 5-10 thru 6-10 SCCR 650	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	11/05 – 2/10	Ready. Priority Level 3
PRs 3-10 thru 4-10 SCCR 650	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	11/05 – 2/10	Ready. Priority Level 3
PR 46-09	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P1	12/1/07 - 6/30/10	Ready. 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	Ready. Priority Level 3
PR 113-11 SCCR 756	NPP	ValR23 PreLaunch-GOE	BDS, IES	1.4P1	9/6/10 – 9/8/10 9/6/10 – 9/19/10	Complete

**** The PRs that follow are on HOLD. They cannot be processed until the necessary input data are available. ****

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 213-11 SCCR 795	Terra, Terra +Aqua	ValR1	SYN1deg	8.1.P1	7/01 1/04 10/05 1/08 4/10	HOLD – Prod- Pending Input Priority 2
PR 207-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/2002 – 4/2006	HOLD – Prod- Pending Input Priority 2
PR 201-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	1/2006 5/2006 – 12/2007	HOLD – Prod- Pending Input Priority 2
PR 197-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	12/ 2007 – 6/2010	HOLD – Prod- Pending Input Priority 2
PR 193-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/2010 - 12/2010	HOLD – Prod- Pending Input Priority 2
***** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-operational testing and been promoted *****						
PRs 215-11, 216-11 SCCR 801	Terra, Terra +Aqua	ValR1	TSI	10.0P3, 7.3.1P1	7/01 1/04 10/05 1/08 4/10	HOLD – PreProd- Pending Promotion Priority 2
PR 214-11 SCCR 804	Terra, Terra +Aqua	ValR1	SYNi	7.2.1P1	7/01 1/04 10/05 1/08 4/10	HOLD – PreProd- Pending Promotion Priority 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 208-11, 207-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	7/2002 – 4/2006	HOLD – PreProd- Pending Promotion Priority 2
PR 206-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	7/2002 – 4/2006	HOLD – PreProd- Pending Promotion Priority 2
PRs 204-11, 203-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	1/2006 5/2006 – 12/2007	HOLD – PreProd- Pending Promotion Priority 2
PR 202-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	1/2006 5/2006 – 12/2007	HOLD – PreProd- Pending Promotion Priority 2
PRs 200-11, 199-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	12/ 2007 – 6/2010	HOLD – PreProd- Pending Promotion Priority 2
PR 198-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	12/ 2007 – 6/2010	HOLD – PreProd- Pending Promotion Priority 2
PRs 196-11, 195-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	7/2010 - 12/2010	HOLD – PreProd- Pending Promotion Priority 2
PR 194-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	7/2010 - 2/2010	HOLD – PreProd- Pending Promotion Priority 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 29-11 thru 31-11 SCCR 763	Terra, Aqua	Beta1	ISCCP-D2like-Mrg	9.0P2 9.0P3	200107 200401 200404 200407 200410	HOLD –PreProd- Waiting for Promotion Priority Level 3
PRs 139-11 thru 142-11 SCCR 809	FM1, FM2	Beta1-Ed4	SSFI	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	2/28/2000 – 6/1/2005	HOLD –PreProd- Waiting for Delivery Priority Level 3
PRs 143-11 thru 146-11 SCCR 809	FM3, FM4	Beta1-Ed4	SSFI	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	6/30/2002 – 3/30/2005	HOLD –PreProd- Waiting for Delivery Priority Level 3
**** 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	

Table 2. January 25, 2012 - System Issues and Status

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> • Nothing to report. (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) • SCCR 801 – Corrected the directory path for the file TSI-xglb and added INST_ID for Terra in the TISA Averaging Operator’s Manual. Posted the updated document on the Web and provided it to the ASDC. (Saunders) • SCCR 801 – Provided updated Terra environment scripts for CER7.3.1P1 and CER10.0P3 to the ASDC on January 11. (Ayers) • SCCR 763 – Installed an updated file for PGE CER9.0P2. Successfully recompiled and retested the PGE on <i>AMI-P-P6</i>. Notified the SIT team on January 11 that the PGE was available again for operational testing. (Ayers) • Participated in the 2-day CERES DMT/ASDC Workshop. (Ayers) • Posted the slides from the Workshop on the CERES DMT Internal Documents Web page. (Saunders, Ayers)
AMI Job Submission Scripts – Phase 1	Ayers (Grepitotis)	<ul style="list-style-type: none"> • Development continues on the scripts for the upcoming Clouds and Inversion deliveries. (Grepitotis, Hillyer)

Table 3. CERES Subsystem Delivery Schedule – January 2012

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 865)	August 5	August 19 In CM Queue	August 26	Update the CER1.1P1, 3, 5, & 7 to properly report QA flags on the IES.			<i>AMI-P6 & AMI-x86</i>
Clouds (SCCR 809)	N/A	February 24	March 2	Redelivering the Edition4 code to <i>AMI-P</i> .			<i>AMI-P6</i>
Inversion (SCCR 814)	February 24	March 9	March 16	Terra and Aqua Beta1-Edition4 . PGEs CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3 and CER4.5-6.4P2.	X		<i>AMI-P6</i>
ERBE-like (SCCR 867)	April 13	April 27	May 4	Porting all ERBE-like PGEs to x86 platform and standardizing exit codes.			<i>AMI-x86</i>
TISA Averaging		Spring 2012		Delivering the Clouds-by-Flux-Type code to <i>AMI-P</i> .			<i>AMI-P6</i>
Instrument (SCCR 877)		July 2012		Converting PGE CER1.3P3 to C++ creating new PGE CER1.4P3.		X	<i>AMI-P6 & AMI-x86</i>
Instrument (SCCR 878)		July 2012		Update CER1.1P8 to fix any issues found after NPP launch. Also include any fixes for issues which arise with TRMM/Terra/Aqua for this PGE.			<i>AMI-P6 & AMI-x86</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 – January 2012

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
There are no deliveries planned at this time.					

Table 5. SCCR Activity January 3 at 2:00 p.m. – January 23 at 12:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
875		X				CERESlib	13	Complete SCCR can be reviewed on CERES CM Website.
879				X		Instrument		
880	X					TISA Averaging	14	
881	X	X			X	TISA Averaging		This SCCR was accidentally submitted. It was a duplicate of SCCR 880. It has been disapproved.

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

CERES Software Configuration Change Request Submittal

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Subsystem: CERESlib

SCCR Date: 11/28/2011

SCCR Number: 875

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

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ADDITIONAL CHANGES TO SCCR NO. 875:

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Parameter Change: () YES (X) NO

Description of Change (Science):

Refer to 880.

Reason for Change (Science):

Refer to 880.

Description of Change (non-Science):

Refer to 880.

Reason for Change (non-Science):

Refer to 880.

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: 2/24/2012

List Affected Subsystems and PGE Names: All AMI PGEs

Date & Time: 2012-01-23 11:31:02

Originator: HILLYER, THOMAS N. (SSAI)

CERES Software Configuration Change Request Submittal

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

Subsystem: TISAavg10.0 SCCR Date & TIME: 2012-01-13 11:44:26 SCCR No.: 880

Parameter Change: () YES (X) NO

Description of Change (Science):

TISA Average requirement: 10-40: Update solar_declination algorithm to correct the time in the parameter "seconds" for CERESlib Edition4

TISA Average requirement: 10-41: Update weights algorithm for CERESlib Edition4

Reason for Change (Science):

Updated solar_declination to correct the time from 0 to 12

Updated weights.f90 to add the geodetic weights for the geodetic zonal and global average calculations.

Description of Change (non-Science):

NA

Reason for Change (non-Science):

NA

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:

CER7.3.1P1, CER10.0P3, CER8.1P1

Estimated Time to Complete Change: complete

Planned Delivery Date: January 13, 2012

List Affected Subsystems and PGE Names: CER7.3.1P1, CER10.0P3, CER8.1P1 and others

Originator: NGUYEN, CATHY (SSAI)

Table 6. January 25, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Grepitotis)	<ul style="list-style-type: none"> Was notified of issue with the leapsec and utcpole data file update scripts. Karen Brown successfully resolved the problem. (Hillyer) 	
CERES-lib	Grepitotis (Hillyer)	<ul style="list-style-type: none"> SCCR 875 – Integrating code from SCCR 880 updating solar_declination and weights Fortran 90 source files. Adding new exit codes to account for archival errors. (Hillyer) 	
Perl_Lib	Hillyer (Grepitotis)	<ul style="list-style-type: none"> SCCR 876 – Added code to read PDS/EDS construction records to properly rename Terra/Aqua Level0s in the offline ingest software. (Hillyer) 	
CERES Proc. System	Hillyer (Grepitotis)	<ul style="list-style-type: none"> Attended and presented the processing system at the CERES-ASDC Workshop. (Hillyer) Writing process flow control diagrams for Clouds, Inversion, and Instrument/ERBE-like operations. (Hillyer) Working on weight-based scheduling algorithm for DRMAA process scheduler. (Hillyer) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> SCCR 878 – Continue updates to CER1.1P8 to remove the memory leaks that cause issues when attempting to run this PGE on an x86. (Grepitotis, Timcoe) SCCR 877 – Convert the remaining Ada PGE CER1.3P3 to C++ (CER1.4P3). Work continues as time permits as processing and analysis of NPP data is the top priority at this time. This delivery is expected to be complete approximately six months after the NPP launch. (Grepitotis, Timcoe) Continued monitoring the receipt of RDRs at the ASDC. (Cooper, Spivak) Participated in the CERES Production Processing workshop. (Cooper, Grepitotis, Hillyer) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> Prepared analysis for proposed Terra Edition3 spectral response functions and gains for the months June, July, and August 2011. (Walikainen) 	

Table 6. January 25, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0 (Cont'd)	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR 867 - Finished exit code updates for CER2.2P1. Implemented DPO file naming convention/location for ES8 plots to be archived. Recompiled PGE from scratch to test the x86 updates, and discovered that ppm generator now failed during execution of NtFont.C. Problem (negative ASCII index) was solved through code update by Thomas. Compilation of Test Suites codes for this PGE also failed and required update by Nelson. (Lande, Grepiotis, Hillyer) • Went through SGE logs, summary files, and available documentation to identify specific Robust Test cases conducted for SCCR 740. Compiled report for Tammy. (Lande) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Processed QC statistics and plots for Terra Edition2B-QC for 201110. Results are posted on the Web. (R. Brown) • Improving GEWEX plotting code. (Smith) • Creating GEWEX 2D Histogram plotting code. (Smith) • Reviewing new concepts for upcoming clouds delivery. (Smith) • Generated CERES cloud retrievals with flight track over MACPEX and Sparticus. Images were posted on CWG Website. Also wrote a code to calculate the stats of Ice Radius Ratio, tau ratio, and height difference between rough and smooth models. Results for both sites with stats and histogram were generated. (Chen) • SCCR 809 - Generated plots and stats with Ed4 MaskV2 CERES cloud retrievals. Comparison with MODIS-ST and CALIPSO were also generated and posted on the Website. (Chen) • Completed FY 2012 Annual Information Security Training. (Chen) • Continue checking the daily ingest completion of VIMD and VAOT data on the /ASDC_archive. (Chen) 	

Table 6. January 25, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> Updated the old DX flight track code and other processes to help complete a request to produce batch runs of whole granule swaths for SPARTICUS and MACPEX. (Gibson) Worked on MACPEX and SPARTICUS flight track validations with CERES cloud properties. Looked into three particle sizes for 3.7, 2.1 and 1.24 μm versus rough model and smooth model respectively. Looked into the causes for much more no-retrieval for 1.24 μm compared with others. Coordinated the overall effort to have the flight paths matched and scatterplots/time series plotted, images pictures produced. (Sun-Mack) SCCR 809 - Received a new version of CERES mask (V2). Processed 2008 January and April. From what I see, the polar lines still exist; cloud fraction in north polar regions is underestimated for both day and night. Cloud fraction over non-polar day time ocean is reduced by 3-4% due to the work done on fixing overestimate clouds in sunglint region. (Sun-Mack) Working on bringing VIIRS into Clouds subsystem. (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"> Investigated problem in ERBE CERES-like where the neural net was being used for as the ADM for calculating fluxes. It turned out to be how snow and ice was being set. (Miller) Processed a day of December 1986 ERBE data through CERES-like code to produce SSF to check the fix for the above problem. (Miller) Determine a work around for not having colatitude and longitude on imager pixels. (Miller) Resolved a problem in a CCCM reader written in C that was causing problems for an outside investigator. Provided a Fortran reader also. (Miller) Updated the smoothing algorithm that avoids kinks for the new GRing. (Antropov) 	

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4.4 (Cont'd)	Miller (Antropov)	<ul style="list-style-type: none"> Working on the program to read NetCDF files and to produce Tecplot data files. (Antropov) Working on the program to read binary SSFB and SSFA files and to write HDF5 SSF file. (Antropov) 	
4.5	Sothcott	<ul style="list-style-type: none"> Installed and tested updated SW Model B algorithm that uses either MODIS aerosols or MATCH climatology. This option currently is selected at compile-time but will need to be either run-time selectable or PCFgen selectable. Currently working these options but waiting for SOFA delivery of another SW Model B algorithm that uses daily MATCH aerosol files. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Processing of SYNI Lite offline data is complete. Data is available in SD_archive. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> Nothing new to report. 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Successfully validated new G5.7.2 MOA for FlashFLUX. Thanks to Anne Wilbur and PC from FlashFLUX group. (Caldwell) 	
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> Completed processing merged Terra/Aqua TSI at the SCF. (Nguyen) Ran 10 years of CLARREO data for Dave Doelling and Dennis Keyes for further studies. (Nguyen) SCCR801- Provided support to CM in testing. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> Completed producing NetCDF SYN data for Cristian Mistrescu to post on the subsetter. (Lock) Working with scientists to provide verification of EBAF with weighted SYN1deg results. (Lock) Reran SYN1deg data with the updated SYNI data. (Nguyen) 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> Working on Edition 4 nonGEO SRBAVG. (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"> Started working on Subsystem 9 software for Edition4 SFC process. (Raju) 	

Table 6. January 25, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.5	Nguyen (Lock)	<ul style="list-style-type: none">• Ran 4 seasonal months to produce the daily SSF data and the monthly coefficient data for the flux-by-cloud code validation. (Lock)• Updating the read NetCDF program and documentation to support user in reading the flux-by-cloud NetCDF data. (Lock)• Plotted to compare the 4 seasonal flux-by-cloud data. Chose July 2006 to compute rms and bias for statistics analysis. (Nguyen).	
11.0	Raju (Nguyen)	<ul style="list-style-type: none">• Started to learn GEO image cleaning software that was developed by Syed Hazari. (Raju)	

Table 7. January 25, 2012 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Distributed test procedures to PR Generation testers. (Coleman) • Continued working on generating stream of PR information for the scheduler/controller. (Heckert) • Continuing to work on the CERES PR Tool – currently working on the Job Submission functionality. (Heckert)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • Meeting with Ed Kizer, Johnathan Gleason, etc. to discuss the new Website security project. (Heckert) • Working with Dave Doelling to generate additional Web pages for CERES data products. (Kizer) • Working with Phil Hess and the instrument team to prepare the Instrument Website for public access. This includes modifying old html file and scripts for cross-framing and cross-scripting issues. (Kizer, Heckert)
Churngwei Chu & Cristian Mitrescu (CERES Ordering Tool)	<ul style="list-style-type: none"> • A new virtual machine (ceres-subset8) has been set up and tested. The CERES internal users have used this machine to investigate data AVG and Clouds data. (Chu, Mitrescu) • Investigated HDF file format to enable retrieving data from HDF files efficiently by JAVA. (Chu) • The request of moving CERES Web servers in DMZ behind the firewall is suspended again (2nd time) because of undetermined security policy. This request was issued at August 2011. • A prototype of browsing SSF Level 2 was demonstrated. (Mitrescu) • Fixed minor bugs on Ordering Tool. (Mitrescu) • Working on generating a netCDF file from a HDF file for S. Kato and D. Doelling. (Mitrescu)

Table 8. January 25, 2012 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none">• CERES has received the missing RDRs from the Svalbard outage. The three missing RDRs from 11/14/2011 are still being worked. The raw data is available via EDOS; however, this data is not in the correct RDR format. Working with SDS to see if they can process this data from raw format to RDR format, so that it can be used in production processing. (Cooper, Spivak)• Continuing to monitor the receipt of CERES RDRs and track any related issues. CERES has once again received repair RDRs that contain less data than the originally delivered RDRs. (Spivak)• Investigated a jump in CERES packet time and recovery that resulted in the loss of 3 science packets. Determine it was a problem in the spacecraft time that OMPS also saw. (Miller)• Drafted a DR on 4.76 percent missing spacecraft diary data for the NPP RDR metadata. (Miller)• Identified a problem in naming the year subdirectory for NPPRDR in the DPO. (Miller)• Monitored Discrepancy Report Action Team (DRAT) teleconferences. (Miller)

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	Y	16	Y	16	Y	C++ RDR Pre-Processor
	CER1.1P8	N	N	N/A	Y	16	Devel	16	Y	C++ NPP, Terra, Aqua
	CER1.2P1	N	N	N/A	Y	16	Y	16	Y	C code, NPP capable.
	CER1.3P3	N	N	N/A	N	N/A	Y	16	Y	Replace with CER1.4P3 on P6
	CER1.4P1	N	N	N/A	Y	16	Y	16	Y	
	CER1.4P2	N	N	N/A	Y	16	Devel	16	Y	
	CER1.4P3	N	N	N/A	Devel	16	Devel	16	Devel	
ERBE-like - 2	CER2.1P1	N	Y	16	Y	16	Devel	16	Y	
	CER2.2P1	N	Y	15	Y	16	Devel	16	Y	Compile HDF with TK 15, run with TK 16
	CER2.3P1	N	Y	16	Y	16	Devel	16	Y	
	CER2.3P2	N	Y	16	Y	16	Devel	16	Y	
	CER2.4P1	N	Y	16	Y	16	Devel	16	Y	
ERBE-like - 3	CER3.1P1	N	Y	16	Y	16	Devel	16	Y	
	CER3.2P1	N	Y	16	Y	16	Devel	16	Y	
Clouds 4.1-4	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	N	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	N	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	N	N/A	Devel	16	N	N/A	Devel	Beta2-Ed3 (P4), Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P2	N	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P3	N	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P4	N	N	N/A	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	N	N/A	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	N	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.3P3	N	N	N/A	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future

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
Inversion/SOFA 4.5-6	CER4.5-6.1P2	N	Y	16	N	N/A	N	N/A	n/a	Ed2 Terra Main
	CER4.5-6.1P3	N	Y	15	N	N/A	N	N/A	n/a	Ed2 Aqua Main
	CER4.5-6.1P4	N	N	N/A	Devel	16	N	N/A	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	N	N/A	Devel	16	N	N/A	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.2P2	N	Y	15	N	N/A	N	N/A	n/a	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	N	N/A	Devel	16	N	N/A	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
	CER4.5-6.4P1	N	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	N	N/A	Devel	16	N	N/A	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	Y	16	N	N/A	N	N/A	n/a	IES-SSF Aqua New PGE, Ed2 format
SARB - 5	CER5.0P1	N	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/Ed3
	CER5.1P1	N	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	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER5.4P2	N	Y	16	N	N/A	N	N/A	n/a	Ed2 only
	CER6.1P1	N	Y	15	N	N/A	Devel	16	n/a	Ed2 only
TISA Grid - 6	CER6.2P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER6.3P1	N	Y	15	N	N/A	N	N	n/a	Ed2 only
TISA Avg - 7.1	CER7.1.1P1	N	Y	15	N	N/A	N	N/A	n/a	
	CER7.3.1P1	N	Y	16	SSI&T	16	N	N/A	SSI&T	New PGE for Edition3
SARB - 7.2	CER7.2.1P1	N	Y	16	N	N/A	SSI&T	16	SSI&T	P4 only Ed2 for now, X86 for Ed2 and Ed3

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
TISA Avg - 8	CER8.1P1	N	Y	15	Y	16	N	N/A	Y	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	N	Y	15	Devel	16	Devel	16	N	
	CER9.2P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.2P2	N	Y	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.3P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.3P2	N	Y	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.4P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.4P2	N	Y	16	N	N/A	N	N/A	n/a	New PGE for Edition3
TISA Avg - 10	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	Y	16	SSI&T	16	N	N/A	Devel	New PGE for Edition3
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	N	Y	16	Y	16	Y	16	Y	Edition 2/3
	CER12.1P2	N	N	N/A	Y	16	Y	16	Y	Edition 4

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	SGI	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
1/3/2012	None	
1/23/2012	CER1.1P1,3,5,7, CER4.1-4.0P1	Moved to Table 3
	CER1.2P1, CER1.3P3	Changed SGI status from "Y" to "N"
	CER6.1P2, 2P2, 3P2	Removed from list
	CER10.0P3	Changed P6 status from "Devel" to "SSI&T"
	CER4.1-4.1P6, 2P4, 2P5, 3P3	Changed New Wrapper Script status from "SSI&T" to "Devel"

Table 3. CERES Disabled and Deleted PGEs
(Published in DMT Report Only When a PGE is Added to Table)

Subsystem ID	PGE ID	Current PGE Production Status ¹	Comments
Instrument - 1	CER1.1P2	Disabled	Remain disabled
	CER1.1P1	Disabled	Probably not to be reactivated
	CER1.1P3	Disabled	Probably not to be reactivated
	CER1.1P4	Disabled	Remain disabled
	CER1.1P5	Disabled	Probably not to be reactivated
	CER1.1P6	Disabled	Remain disabled
	CER1.1P7	Disabled	Remain disabled
	CER1.3P1	Disabled	Probably not to be reactivated
	CER1.3P2	Disabled	Probably not to be reactivated
ERBE-like - 2			
ERBE-like - 3	CER3.2P2	Disabled	
Clouds 4.1-4	CER4.1-4.0P1	Disabled	
	CER4.1-4.1P1	Disabled	
	CER4.1-4.1P2	Disabled	Collection 4
	CER4.1-4.1P3	Disabled	Collection 4
	CER4.1-4.2P1	Disabled	Collection 4
	CER4.1-4.3P1	Disabled	Collection 4
	CER4.1-4.4P1	Disabled	In Op Man, but not in FMP. Delete?
Inversion/SOFA 4.5-6	CER4.5-6.1P1	Disabled	Probably not to be reactivated
	CER4.5-6.2P1	Disabled	Probably not to be reactivated
	CER4.5-6.3P1	Disabled	Probably not to be reactivated
	CER4.5-6.3P2	Disabled	Probably not to be reactivated
	CER4.5-6.3P3	Disabled	Probably not to be reactivated
	CER4.5-6.6P2	Disabled	Probably not to be reactivated
	CER4.5-6.6P3	Disabled	Probably not to be reactivated
SARB - 5	CER5.2P1	Deleted	
	CER5.3P1	Disabled	
TISA Grid - 6			
TISA Avg - 7.1			
SARB - 7.2			
TISA Avg - 8	CER8.2P1	Deleted	Merged with CER8.1P1

Table 3. CERES Disabled and Deleted PGEs
(Published in DMT Report Only When a PGE is Added to Table)

Subsystem ID	PGE ID	Current PGE Production Status ¹	Comments
TISA Grid - 9			
TISA Avg - 10	CER10.1P1	Disabled	Replace with CER10.0P2
	CER10.1P2	Disabled	Replace with CER10.0P1
	CER10.2P1	Deleted	
	CER10.3P1	Deleted	
	CER10.1P3	Disabled	
	CER10.1P4	Disabled	Replace with CER10.0P2 for Terra
	CER10.1P5	Disabled	Replace with CER10.0P1 for Terra
GGEO - 11	CER11.1P1	Disabled	
	CER11.1P2	Disabled	
	CER11.1P3	Disabled	
	CER11.1P4	Disabled	
	CER11.1P5	Disabled	
	CER11.1P6	Disabled	
	CER11.1P7	Disabled	
	CER11.1P8	Disabled	
	CER11.2P1	Disabled	
	CER11.3P1	Disabled	
	CER11.5P1	Deleted	
Regrid MOA -12			