

July 11, 2012 - System Issues and Status
Table 1: Process Strategy/Coleman as of 07/11/12
Active Requests in order of priority as of 07/09/12

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 1-12	NPP	AtLaunch	BDS/ ERBELike (SS1-3)	1.0P2, 1.1P8, 1.2P1, 1.4P1&2, 2.2P1, 2.3P1/2, 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	
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	
AM 12-11 thru 19-11 PM 12-11 thru 19-11	Terra Aqua	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P8 1.2P1 1.4P1&2, 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	

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AM 1-11 to 7-11 FM3 1-11 to 7-11 FM4 1-12 to 7-12	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	
PR M 2-11 SCCR 753	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	
M 1-12	CERES	GMAO-G541-Ed4	MOA	12.1P2	Standing request	
The PRs that follow are the Non-Standing PRs that can be processed						
PRs 53-12 thru 69-12 SCCRs 716, 863, 740	Terra, Aqua	Edition3	BDS/IES ES8/4/9	1.2P1, 1.3P3 2.2P1, 2.3P1&2 2.4P1	9/2/11 – 1/1/12	Terra Complete. Aqua ERBE-like in Progress Priority Level 2
PR 194-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	7/2010 - 12/2010	Ready Priority 2
PR 193-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg-3Hour/ M3Hour/ Month	8.1P1	7/2010 - 12/2010	Ready Priority 2
PR 8-12 SCCR 794	Terra	Edition3A	SAH	5.0P2	1/11 – 12/11	Ready Priority Level 2
PRs 9-12, 10-12, 13-12 SCCR 789	Terra	Edition3A	SFC	9.2P2, 9.3P2 9.4P2	12/31/10 – 12/31/11	In Progress. Complete thru 8/31/11 Priority Level 3

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PRs 5-12 thru 7-12 SCCRs 871, 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	12/31/10 – 12/31/11	In Progress Priority Level 3
PRs 2-12 thru 4-12 SCCR 789	Aqua Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	12/31/10 – 12/31/11	Ready Priority Level 3
PR 1-12 SCCR 794	Aqua	Edition3A	SAH	5.0P2	1/11 – 12/11	Ready Priority Level 3
PRs 50-12 thru 52-12	Terra-Aqua	Edition2A	ISCCP-D2like-Mrg	9.0P2 9.0P3	7/02 – 6/10	In Progress Priority Level 3
PR 137-09 SCCR 746	FM1, FM2	Edition2A	ISCCP-D2like-Day/Nit	9.0P1	Launch thru 10/02	In Progress Priority Level 3
PRs 136-09 46-12, 47-12 SCCR 746	FM3, FM4	Edition2A	ISCCP-D2like-Day/Nit	9.0P1	Launch thru 10/02	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 72-12	FM1	Edition2G	HMAER	5.0P1	7/2010 – 4/2011	Complete. 6/8/12
PR 202-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	1/2006 5/2006 – 12/2007	Complete. 6/19/12
PR 201-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg-3Hour/ M3Hour/ Month	8.1P1	1/2006 5/2006 – 12/2007	Complete. 6/20/12

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 200-11, 199-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	12/2007 – 6/2010	Complete. 6/12/12
PRs 196-11, 195-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	7/2010 - 12/2010	Complete. 7/7/12
PR 198-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	12/ 2007 – 6/2010	Complete. 7/3/12
PR 197-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	12/ 2007 – 6/2010	Complete. 7/5/12
PRs 14-12 thru 16-12 SCCRs 870, 791, 690	Terra	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	12/31/10 – 12/31/11	Complete. 6/30/12
**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-operational testing and been promoted ****						
PRs 97-12 thru 100-12, 90-12 thru 93-12 SCCR 809	FM1, FM2	ValR1-Beta1- Ed4	SSFI	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	7/2006 1/2007	HOLD –PreProd- Pending Promotion Priority Level 3
PRs thru 77-12 thru 80-12, 84-12 87a-12 SCCR 809	FM3, FM4	ValR1-Beta1- Ed4	SSFI	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	7/2006 1/2007	HOLD –PreProd- Pending Promotion Priority Level 3
PRs 94-12 thru 96-12, 87b-12 thru 89-12 SCCR 814	FM1, FM2	ValR1-Beta1- Ed4	SSF	4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	7/2006 1/2007	HOLD –PreProd- Pending Promotion Priority Level 3

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 74-12 thru 76-12, 81-12 thru 83-12 SCCR 814	FM3, FM4	ValR1-Beta1-Ed4	SSF	4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	7/2006 1/2007	HOLD –PreProd- Pending 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- Pending Promotion 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- Pending Promotion Priority Level 3
PRs 104-12 thru 106-12 SCCR 814	FM1, FM2	Beta1-Ed4	SSF	4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	2/28/2000 – 6/1/2005	HOLD –PreProd- Pending Promotion Priority Level 3
PRs 101-12 thru 103-12 SCCR 814	FM3, FM4	Beta1-Ed4	SSF	4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	6/30/2002 – 3/30/2005	HOLD –PreProd- Pending Promotion Priority Level 3
PRs 108-12 thru 113-12 SCCR 878	NPP Aqua Terra TRMM	ValR26		1.1P8	3/12 1/98	HOLD –PreProd- Pending Promotion Priority Level 3
PR 114-12 thru 118-12 SCCRs 882,878, 863, 756, 770	NPP	CoversClose d	BDS/IES/ PreS8	1.0P2, 1.1P8, 1.2P1, 1.4P1,1.4P2	11/9/11 – 1/26/12	HOLD –PreProd- Pending Promotion Priority Level 3
PRs 119-12 thru 122-12 SCCR 740	NPP	CoversClose d	ERBELike	2.2P1 2.3P1, 2 3.1P1	11/9/11 – 1/26/12	HOLD –PreProd- Pending Promotion Priority Level 3

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PR NPP 2-12 thru NPP 6-12 SCCRs 882,878, 863, 756, 770	NPP	Edition1-CV	BDS/IES/PreS8	1.0P2, 1.1P8, 1.2P1, 1.4P1,1.4P2	1/27/12 forward	HOLD –PreProd-Pending Promotion Priority Level 3
PRs NPP 7-12 thru NPP 10-12 SCCR 740	NPP	Edition1-CV	ERBELike	2.2P1 2.3P1, 2 3.1P1	1/27/12 forward	HOLD –PreProd-Pending Promotion Priority Level 3
PRs 142-12 thru 130-12 SCCR 867	FM1 FM2 FM3 FM4	ValR27-P6	ERBELike	2.1P1 2.2P1 2.3P1, 2 2.4P1 3.1P1 3.2P1	2/11	HOLD –PreProd-Pending Promotion Priority Level 3
PRs 143-12 thru SCCR 867	FM1 FM2 FM3 FM4	ValR27-X86	ERBELike	2.1P1 2.2P1 2.3P1, 2 2.4P1 3.1P1 3.2P1	2/11	HOLD –PreProd-Pending Promotion Priority Level 3

Table 2. July 11, 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 904 – Installed this Instrument delta delivery on <i>AMI-P</i> and released it to the ASDC on July 2. (Ayers) • SCCR 878 – Formatted the updated Instrument Operator’s Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 814 – Provided updated Inversion files to the ASDC in response to problem reports. (Ayers) • SCCR 814 – Formatted the updated Inversion Operator’s Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 809 – Provided updated Clouds files to the ASDC in response to problem reports. (Ayers) • SCCR 867 - Formatted the updated ERBE-like Subsystem 3.0 Operator’s Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 867 - Installed and compiled all seven PGEs on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>. Testing is underway. (Ayers) • SCCR 907 – Provided the ISCCP-D2like-Day/Nit sample read package to the ASDC. (Ayers) • SCCR 908 – Provided the ISCCP-D2like-Mrg sample read package to the ASDC. (Ayers) • SCCR 909 - Provided the ISCCP-D2like-GEO sample read package to the ASDC. (Ayers) • Updated the File Management Policy as necessary. (Saunders) • Formatted the updated Instrument and ERBE-like Requirements Logs and posted them on the Web. (Saunders)
<i>AMI</i> Job Submission Scripts (AJSS)	Ayers (Hillyer)	<ul style="list-style-type: none"> • Continued working on the job submission scripts for TISA Gridding SCCR 888 (PGEs 9.2P3, 9.3P3, and 9.4P3). (Grepitotis)

Table 3. CERES Subsystem Delivery Schedule – July 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)
ERBE-like (SCCR 867)	June 15	June 29	July 6	Porting all ERBE-like PGEs to <i>x86</i> platform and standardizing exit codes.			<i>AMI-x86</i>
Perl_Lib (SCCR 906)	July 13	July 27	August 3	Adding features to AJSS_PGE class.			<i>AMI-P6 & AMI-x86</i>
CERESlib (SCCR 898)	July 13	July 27	August 3	TISA Gridding updates.			<i>magneto, AMI-P6 & AMI-x86</i>
TISA Gridding (SCCR 888)	July 13	July 27	August 3	Edition4 SSF1deg-Hour.	X		<i>AMI-P6</i>
Instrument (SCCR 877)	August 31	August 17	September 21	Converting PGE CER1.3P3 to C++ creating new PGE CER1.4P3.		X	<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 – July 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 June 12 at 10:00 a.m. – July 10 at 3:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
878			X			Instrument		
901				X		Inversion		
902				X		CERESlib		
904		X	X			Instrument	11	
906			X			Perl_Lib		
907			X			TISA Gridding		
908			X			TISA Gridding		
909			X			GGEO		
910	X					TISA Averaging	12	
911	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: 2012-05-30 16:03:03 SCCR No.: 904

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ADDITIONAL CHANGES TO SCCR NO. 904:

Parameter Change: () YES (X) NO

Description of Change (Science):

Req. 1-57: Ancillary data file IC_Gnd_Ref_Data needed for CER1.4P2 as well as for CER1.1P8 for NPP-FM5 Edition1-CV.

Reason for Change (Science):

Req. 1-57: PGE CER1.4P2 needs the updated IC_Gnd_Ref_Data file being delivered for CER1.1P8 for NPP-FM5 Edition1-CV processing.

This was discovered before the NPP-FM5 ancillary data file delta delivery, so it is being included in this SCCR for the delta delivery.

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:

CER1.1P8 & CER1.4P2

Estimated Time to Complete Change: 1 hr

Planned Delivery Date: July 2, 2012

List Affected Subsystems and PGE Names: Instrument CER1.1P8 & CER1.4P2

Date & Time: 2012-07-02 13:20:27

Originator: COOPER, DENISE L. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: TISAavg8.0 SCCR Date & TIME: 2012-06-18 12:43:25 SCCR No.: 910

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Requirement #8-31

Sample Read Package to support Terra Edition3A and Terra-Aqua Edition3A SYN1deg-3Hour, SYN1deg-Month and SYN1deg-M3Hour product.

See SCCR 795 for details.

Reason for Change (non-Science):

Requirement #8-31

Sample Read package is required for these products.

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 more day

Planned Delivery Date: 6/29/12

List Affected Subsystems and PGE Names: None

Originator: LOCK, BETTY J. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Instrument SCCR Date & TIME: 2012-07-10 13:29:10 SCCR No.: 911

Parameter Change: () YES (X) NO

Description of Change (Science):

Req. #1-58: Update CER1.0P2 to remove duplicate packets in the created Level-0 data file.

Reason for Change (Science):

Req. #1-58: For July 3, 2012 NPP-FM5 RDRs 4 duplicate packets were not discovered by CER1.0P2 and they were put into the Level-0 data, which processed fine thru CER1.1P8 and CER1.2P1. However, ERBE-like flagged the duplicate packets and failed when it was processing the Pre-ES8 created by CER1.2P1. The error was found to be in CER1.0P2, which did not find the duplicate packets, because the packet checking was not adequate for this case.

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 wks

Planned Delivery Date: Aug. 17, 2012

List Affected Subsystems and PGE Names: Instrument CER1.0P2 & ERBE-like CER2.2P1

Originator: COOPER, DENISE L. (SSAI)

Table 6. July 11, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Wilkins)	<ul style="list-style-type: none"> Rebuilding GCC 4.5.3 and Toolkit 18 environment to work under SLES 11.0, not SLES 11.1. This is needed to better match <i>AMI-P</i>'s configuration. (Hillyer) 	
CERES-lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> Rebuilt library using SLES 11.0 and GCC 4.5.3 environment. (Hillyer) 	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> Nothing to report. (Hillyer) 	
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> Attended meetings to discuss requirements, schedule, and implementation. (Hillyer, Wilkins) Writing DPO backloggers for Instrument, Clouds, and Inversion PGEs to account for non-CATALYST produced products in the ASDC_archive. (Hillyer) Fixing threading issue with Perl DBI interface to logging database. (Wilkins) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> SCCR 904 – Updated ancillary files for CER1.1P8 and CER1.4P2 to support NPP-FM5 Edition1-CV were delivered on July 2nd. (Cooper, Grepitotis, Timcoe) SCCR 878 – Denise asked that this be promoted after July 1 and SCCR 904 promotion to ensure that no issues with PRs for June would occur. (Cooper, Grepitotis, Timcoe) SCCR 877 – This effort continues, but may be delayed to allow updates to CER1.0P2 to be made to fix the issue with multiple packets for July 3rd, along with a few other fixes. (Grepitotis, Timcoe) An issue with the Terra ephemeris data for July 1st was discovered. Due to the leap second addition, the first ephemeris file for the day ended up labeled as the last ephemeris file for June 30th. This caused issues with all the data being processed for both June 30th and July 1st. Pat Earl coordinated the effort to get the fix into place. No issues were encountered with Aqua. (Cooper, Snyder) 	

Table 6. July 11, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR 867 - Finished and submitted pre-Delivery memo. Made final Robust Tests and document updates for CER2.1P1 and CER2.4P1, and created source and data tar files for these. Provided validation analysis to Science Team for daily data sets and monthly QC reports, and obtained approval for Subsystem 2 delivery. Prepared final versions of tar/list files and Delivery memo, then delivered them on July 1st along with the Test Plan and Operator's Manual. Also updated the Requirements Log and completed all remaining TK18/GCC tests in SW Bulletin 12-01 for all PGEs. While doing so discovered issue with ES4's NET_CF plots. (Walikainen) • SCCR 867 - Standardized 2.2/3.1/3.2 plot calls to only use 'convert' after discovering '/usr/bin/ppmtogif' not on node bf202 (this also solved x86 ES8/4 plot transparency issue). Resolved NET_CF plot problem discovered by Dale with Thomas. Completed document (Test Plan and Operator's Manual) updates for final delivery of PGEs 2.2P1, 2.3P1/2, 3.1P1, and 3.2P1. Finished Robust Testing for these PGEs and documented results. Generated expected data for 3.2P1, then created src and data tar files. Moved these to <i>AMI-P</i> to validate compilation/execution procedures. In order to obtain final science validation, ran FM1/3 Edition3 from 2.2 to 3.2 on <i>AMI-x86</i> for 201102 and provided Tak Wong with hdiff results and viewhdf stats of resulting ES4 and ES9 versus DPO (all-p6) equivalents. Obtained delivery approval since 1 high lat 'zero' geo-scene type was on DPO, not in <i>x86</i>, and the number of sig <i>p6/x86</i> deltas (>0.2) was 17/1.1M (all hrbox SWFs). Also verified that <i>AMI-P-p6/x86</i> gave same results as <i>AMI-p6/x86</i> and '- clean' option works for 2.2P1. Lastly, created ValR-<i>p6/x86</i> PRs for delivery validation. (Lande, Grepitotis) • Worked with Denise to track down origin of PGE Failure Form #2083 (pairs of identical time stamps in the July 3rd FM5 data, discovered via 2.2P1's attempted reading of the PRES8). Found three of the four pairs in the corresponding BDS. Also 	

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SS No.	SS Lead	Status	Problems
2.0 (Cont'd)	Walikainen (Lande)	<p>discovered issue with the last two records of the 2/29 Edition1-CV PRES8 (off-line version). In that case, the relative azimuth was 2 degrees higher than the AtLaunch version. (Walikainen)</p> <ul style="list-style-type: none"> • Provided IWG with FlashFlux-like FM2/3 ES8s for inter-comparison studies. For SCARAB/FM2, they were generated from 4/1/12 to 6/15/12. For FM5/FM3, they were generated for Feb-May 2012. Both used Dec 2011 gains and unfiltering coefficients. Also provided candidate SCCs for the Aqua mission, designed to handle both RAPS-induced degradation and two other issues at BOM: scene dispersion (FM3/FM4) and radiometric scaling (with FM1). (Walikainen) • Following PGE Failure Form #2085, verified that 867 version of CER2.2P1 will fail to submit job to SGE in case input PRES8 is missing from DPO at run-time (unlike in current production as was discovered by Denise for the July 4 FM2 run). (Lande, Cooper) • Created Instrument and ERBE-like standing PRs for FM5 Edition1-CV processing, PRs for reprocessing the 'CoversClosed' period, and ValR PRs for the CER1.1P8 x86 delivery (SCCR 878). Also closed and reordered various completed PRs. (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"> • QC global images and statistics were processed for Terra Edition 2 and Aqua Edition 1 for 201204. (R. Brown) • Continued work on automated Post processing. (Smith) • SCCR 809 - Testing new features on 1P6/2P5 two-day run script. (Smith) • SCCR 809 - Trouble shooting, fixing, and testing clouds environment issues, in coordination with the ASDC testers. (Smith) • Global Lapse Reate Maps and IGBP stats were generated for the Lapse Rate paper. (Chen) 	

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4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Continue checking the daily ingest completion of VIMD and VAOT data on the /ASDC_archive. (Chen) • Checked VAOT data among versions of 03000, 03001, and 03002. (Chen) • Created a user-friendly meta-data file structure to improve batch process for RGB Daily Cloudvis. (Gibson) • Completed geographic subsetting and automated rotation of the globe within RGB Daily Cloudvis. (Gibson) • SCCR 809 - Discussions with Rita on SCCR 809 ASDC-testing. (Sun-Mack) • Helping Rabi/Kris on implementing CERES Ed4 into modular framework. (Sun-Mack) • Communications with Land PEATE. (Sun-Mack) • Writing lapse rate paper. (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 surface type and lack of data at hour start issues in ERBE CERES-like processing. (Miller) • Created test Web pages for Energy Budget internet presentation. (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"> • Attended ADM working group meeting. (Sothcott) • Supported the various Problem Reports from the ASDC SIT group for SCCR 814. (Sothcott) • Updated the Promoted Directories document to support SCCR 814. (Sothcott) • Debugged problems with the combined Aqua/Terra software that is being developed. Terra testing is successful and Aqua testing is underway. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • Testing an Edition4 version of 5.0P2 (surface albedo history) processor. (Caldwell) 	

Table 6. July 11, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
5.0 (Cont'd)	Caldwell (Coleman)	<ul style="list-style-type: none"> This code uses Edition4 SSFB as input; however, we are unable to use Edition4 ADMs at this time. (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"> No report received. (On vacation.) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> SCCR-910 - Read package and Data Products Catalogs for the Edition3 SYN1deg files to be complete this week. (Lock) Supporting the Surface flux effort for David Rutan. 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> No report received. (On vacation.) 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> No new updates. (Raju) 	
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> SCCR 888/897 - Preparing for the delivery. (Raju) SCCR 888 - Made few test runs using new scripts and found no problem. (Thomas Grepiotis) SCCR 907 - Completed. Sent Sample Read Package to CERES CM. Updated Description/Abstract documents were sent to user services. (Raju) SCCR 908 - Completed. Sent Sample Read Package to CERES CM. Updated Description/Abstract documents were sent to user services. (Raju) Processed 07/2001 Edition3 and Edition4 SSF data through PGEs 9.2P2 – 9.4P2 and 9.2P3 -9.4P3 using test area cereslib that has modified gridding data access routines. Created outputs were verified. Provided both versions of products to Averaging process for their evaluation. (Raju) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> SCCR 909 - Completed. Sent Sample Read Package to CERES CM. Sent modified Description/Abstract document to user services. (Raju) Created a new directory to process 1986 GEO data for NOAA-CERES process. Made modifications to CER11.1P10 software to handle 1986 satellite data. Ran ISCCP-B1U software several times to create 	

Table 6. July 11, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
11.0 (Cont'd)	Raju (Nguyen)	04/1986 GMS3, MET2, and GOE6 inputs to GGEO process. Processing data through PGEs 11.1P10 and 11.2P2 and validating GGEO output before providing it to Averaging. (Raju) <ul style="list-style-type: none"> • Work continued on checking the netCDF sample file and its format. Wrote code to read and grid data. (Forrest Wrenn, Raju) 	

Table 7. July 11, 2012 – DM Tasks

Activity	Status
Production Processing Database/ Automation (Coleman)	<ul style="list-style-type: none"> • Continuing work on CERES PR Tool; fixing some bugs found in preliminary testing and improving a few features. (Heckert)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • The migrating of the CERES cloud working group site (Ricky Brown) and convolution (Walt Miller) continues. A request to have the CWG site scanned for security issues was submitted. (Kizer) • Additional modifications were made to a working prototype ERBE Digital Library database search Web page for Tak Wong and the development team. (Kizer, Heckert) • Modifications were made as suggested by Dave Doelling to prototype the ASDC-CERES product pages for future Edition3 and Edition4 products. (Kizer)
CERES Ordering Tool (Chu/ Mitrescu)	<ul style="list-style-type: none"> • Promoted two releases to the production, Rel.2.3 and Rel.2.3.1. <ul style="list-style-type: none"> ○ Rel.2.3 <ul style="list-style-type: none"> • Surface EBAF has the new set of variables (net fluxes). • Added “Anomaly” plots to REGIONAL, GLOBAL and ZONAL data. • Fixed some bugs and improved the functionality of the tool for future developments. • Fixed cron jobs which had race condition issues. (When we did the stress test on our test environment, the CERES 44TB disk still showed errors. Ben has been informed of the problem.) ○ Rel.2.3.1 <ul style="list-style-type: none"> • This release fixes the issue on cron jobs. When a large amount of data was ordered by a user, two cron jobs may try to copy the same set of files at the same time. That was the main reason why the disk got into panic mode. • Ben also changed some configuration on the disk. We believe it also fixes some problems, so the disk errors have not shown up on our stress test and a recent large order on the production. • However, we did not get a successful end to end stress test because of some unexpected errors, such as disk mounts disappeared on our test environment. We

Table 7. July 11, 2012 – DM Tasks

Activity	Status
CERES Ordering Tool (Chu/ Mitrescu) (Cont'd)	promoted this release because the updates to the production are needed as soon as possible. We should do more heavy load test. <ul style="list-style-type: none">• Working on the 2D-Histograms. (Mitrescu)• Working on Clouds Validation Tool to allow it to see grid images on Google earth and display lat/lon/value. (Chu)

Table 8. July 11, 2012 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none"> • Rich Spivak has now moved to a new project and his work has been transitioned to Thomas Grepiotis and Mark Timcoe. (Grepiotis, Timcoe) • A problem with production processing for ERBE-like for July 3rd was traced back to duplicate packets in the Pre-ES8. These duplicates were found in the BDS, which lead back to the Level-0 file, which got back to PGE CER1.OP2 not properly checking for duplicate data packets. This may lead to a new delivery for CER1.OP2 to fix the issue. (Cooper, Grepiotis, Timcoe) • Problems with the rview and rgap utilities were discovered when processing the July 3rd data. It appears that the leap second addition may not have taken place at IDPS until this date. Updates to the software to use the Toolkit time routines fixed the rview issue, still looking into the rgaps issue, which appears to be a memory problem. The rgaps software is also being updated to use the Toolkit time routines. (Cooper, Grepiotis, Snyder, Timcoe) • Submitted two DRs concerning time anomalies on July 3. One to cover a change in file name begin and end time on three RDRs. The other is the time in the IDPS header is different for the same instrument packet. (Miller) • Attended JPSS Customer Forum at NSOF in Suitland, MD, on June 12-14, 2012. (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	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Instrument - 1	CER1.0P1	N	N	N/A	N	N/A	N	N/A	n/a	n/a	Will comply with all the latest whenever delivered
	CER1.0P2	N	N	N/A	Y	16	Y	16	Y	N	C++ RDR Pre-Processor
	CER1.1P8	N	N	N/A	Y	16	SSI&T	16	Y	N	C++ NPP, Terra, Aqua
	CER1.2P1	N	N	N/A	Y	16	Y	16	Y	N	C code, NPP capable.
	CER1.3P3	N	N	N/A	N	N/A	Y	16	Y	n/a	Replace with CER1.4P3 on P6
	CER1.4P1	N	N	N/A	Y	16	Y	16	Y	N	
	CER1.4P2	N	N	N/A	Y	16	Devel	16	Y	N	
CER1.4P3	N	N	N/A	Devel	16	Devel	16	Devel	N		
ERBE-like - 2	CER2.1P1	N	Y	16	Y	16	SSI&T	16	Y	N	
	CER2.2P1	N	Y	15	Y	16	SSI&T	16	Y	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	N	Y	16	Y	16	SSI&T	16	Y	N	
	CER2.3P2	N	Y	16	Y	16	SSI&T	16	Y	N	
ERBE-like - 3	CER2.4P1	N	Y	16	Y	16	SSI&T	16	Y	N	
	CER3.1P1	N	Y	16	Y	16	SSI&T	16	Y	N	
Clouds 4.1-4	CER3.2P1	N	Y	16	Y	16	SSI&T	16	Y	N	
	CER4.1-4.0P2	N	Y	15	N	N/A	N	N/A	n/a	N	Migration to AMI not in near future
	CER4.1-4.1P4	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV
	CER4.1-4.1P5	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV
	CER4.1-4.1P6	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P2	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV
	CER4.1-4.2P3	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV
	CER4.1-4.2P4	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P5	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Ed4 (P6), Migration to X86 not in near future
CER4.1-4.3P2	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV	
CER4.1-4.3P3	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Ed4 (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	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Inversion/SOF A 4.5-6	CER4.5-6.1P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 Terra Main
	CER4.5-6.1P3	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 Aqua Main
	CER4.5-6.1P4	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.2P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	N	N/A	SSI&T	16	N	N/A	SSI&T	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	n/a	Ed3 daily post-processor
	CER4.5-6.4P1	N	Y	16	N	N/A	N	N/A	n/a	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Monthly validation site (Ed4 for 4P1)
CER4.5-6.5P4	N	Y	16	N	N/A	N	N/A	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	n/a	IES-SSF Aqua New PGE, Ed2 format	
SARB - 5	CER5.0P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.0P2	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2/Ed3
	CER5.1P1	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.1P2	N	ValRx	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.1P3	N	N	N/A	Devel	16	Devel	16	N	N	New PGE - Edition4 Main for Terra and Aqua
	CER5.4P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
CER5.4P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only	
TISA Grid - 6	CER6.1P1	N	Y	15	N	N/A	Devel	16	n/a	n/a	Ed2 only
	CER6.2P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.3P1	N	Y	15	N	N/A	N	N	n/a	n/a	Ed2 only
TISA Avg - 7.1	CER7.3.1P1	N	Y	16	Y	16	N	N/A	Y	N	New PGE for Edition3
SARB - 7.2	CER7.2.1P1	N	Y	16	N	N/A	Y	16	Y	N	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	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
TISA Avg - 8	CER8.1P1	N	Y	15	Y	16	N	N/A	Y	N	Migrate to AMI for Ed3
TISA Grid - 9	CER9.0P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER9.0P2	N	N	N/A	Y	16	N	N/A	Y	N	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N	N/A	Y	16	N	N/A	Y	N	ISCCP-D2like-MRG Main-processor
	CER9.1P1	N	Y	15	Devel	16	Devel	16	N	N	
	CER9.2P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	PGE for Edition3
	CER9.2P3	N	N	N/A	Devel	16	N	N/A	N	N	New PGE for Edition4
	CER9.3P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	PGE for Edition3
	CER9.3P3	N	N	N/A	Devel	16	N	N/A	N	N	New PGE for Edition4
	CER9.4P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	PGE for Edition3
TISA Avg - 10	CER9.4P3	N	N	N/A	Devel	16	N	N/A	N	N	New PGE for Edition4
	CER10.0P3	N	Y	16	Y	16	N	N/A	Y	N	PGE for Edition3
GGEO - 11	CER11.1P10	N	Y	16	Devel	16	Devel	16	n/a	n/a	
	CER11.2P2	N	Y	16	Devel	16	Devel	16	n/a	n/a	
	CER11.4P1	N	Y	16	Devel	16	Devel	16	n/a	n/a	
	CER11.6P1	N	Y	16	Devel	16	Devel	16	n/a	n/a	
	CER11.7P1	N	Y	16	Devel	16	Devel	16	N	N	
Regrid MOA - 12	CER12.1P1	N	Y	16	ValRx	16	ValRx	16	Y	N	Edition 2/3
	CER12.1P2	N	N	N/A	Y	16	Y	16	Y	N	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	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

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"
2/6/2012	CER10.0P1,2	Moved to disabled/deleted list (Table 3)
2/22/2012	No Updates	
3/5/2012	No Updates	
3/19/2012	4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 status and new wrapper status from "Devel" to "SSI&T"
	7.3.1P1, 7.2.1P1, 10.0P3	Changed P6 status and new wrapper status to "ValRx"
4/4/2012	4.5-6.1P3, 2P2, 4P1	Changed P4 TK version from "15" to "16"
	4.5-6.5P2,3, 4.5-6.6P2,3	Moved to Disabled/deleted table
4/16/2012	9.2P3, 9.3P3, 9.4P3	New PGEs added to list
	Table 2 - BDS Product	Status of URL in Sample Read Package README Update changed from "N" to "Y"
	7.3.1P1, 7.2.1P1, 10.0P3	Changed P6 status and new wrapper status from "ValRx" to "Y"
	9.2P1, 9.3P1, 9.4P1, 7.1.1P1	Moved to Table 3
5/7/2012	4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 status and new wrapper status from "SSI&T" to "Devel"
5/14/2012	Table 2 - ES8, ES4, and ES9 Products	Status of URL in Sample Read Package README Update changed from "N" to "Y"
	12.1P1	Changed P6 and X86 statuses from "Y" to "Devel"
	9.0P2,3	Changed P6 and New Wrapper statuses from "SSI&T" to "ValRx"
5/30/2012	4.1-4.1P6, 2P4, 2P5, 3P3 4.5-6.1P4,5, 2P3, 4P2	Changed P6 status and new wrapper status from "Devel" to "SSI&T"
	12.1P1	Changed P6 and X86 statuses and new wrapper status from "Devel" to "SSI&T"
	Table 1	Added column for tracking CATALYST PGEs
6/13/2012	1.1P8	Changed X86 Status from "Devel" to "SSI&T"
	12.1P1	Changed P6 and X86 statuses from "SSI&T" to "ValRx"
7/11/2012	9.0P2,3	Changed P6 status and new wrapper status from "ValRx" to "Y"
	2.1P1, 2.2P1, 2.3P1,2, 2.4P1, 3.1P1, 3.2P1	Changed X86 statuses from "Devel" to "SSI&T"