

December 14, 2011 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 12/14/11
Active Requests in order of priority as of 12/12/11**

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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<p>*** NEW ***</p> <p>AM 12-11 thru 19-11</p> <p>PM 12-11 thru 19-11</p>	<p>Terra</p> <p>Aqua</p>	Edition1-CV	BDS/ ERBELike (SS1-3)	<p>1.1P8</p> <p>1.2P1</p> <p>1.4P1</p> <p>1.4P2</p> <p>2.1P1</p> <p>2.2P1</p> <p>2.3P1</p> <p>2.3P2</p> <p>3.1P1</p>	Standing request	<p>Replacement PRs for :</p> <p>AM 7-05, and 1-10 to 4-10</p> <p>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</p>
<p>AM 1-11 to 7-11</p> <p>PM 1-11 to 7-11</p>	<p>Terra</p> <p>Aqua</p>	Edition1-CV	SSF Clouds and Inversion	<p>4.1-4.1P4/5</p> <p>4.1-4.2P2/3</p> <p>4.1-4.3P2</p> <p>4.5-6.1P2/3</p> <p>4.5-6.2P2</p> <p>4.5-6.4P1</p>	Standing Request	
<p>PR M 3-11</p> <p>SCCR 858</p>	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	New PR for AMI processing
<p>PR M 2-11</p> <p>SCCR 753</p>	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	New PR to coordinate with new standing PR M 3-11
<p>The PRs that follow are the Non-Standing PRs that can be processed</p>						
<p>PRs 185-10 thru 187-10</p> <p>SCCR 782</p>	Terra	ValR15 (for Ed1-CV)	SSF	<p>4.5-6.1P2</p> <p>4.5-6.2P2</p> <p>4.5-6.4P1</p>	12/07	<p>Ready</p> <p>Priority Level 1</p>
<p>PR 113-11</p> <p>SCCR 756</p>	NPP	ValR23 PreLaunch-GOE	BDS, IES	1.4P1	<p>9/6/10 – 9/8/10</p> <p>9/6/10 – 9/19/10</p>	<p>Ready</p> <p>Priority 1</p>

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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
PRs 179-10 thru 181-10 SCCR 789	Terra	Edition3A	SFC	9.2P2, 9.3P2 9.4P2	3/00 – 10/05	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

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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
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
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
PRs 84-10, 76-10, 92-10 SCCRs 812-871 , 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	7/2/02 – 3/30/05	Complete. 12/1/11
PRs 176-10 thru 178-10 SCCRs 811, 791, 690	Terra	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	3/00 – 10/05	Complete. 12/9/11

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
<p>**** The PRs that follow are on HOLD. They cannot be processed until the necessary input data are available. ****</p>						
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
<p>**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-operational testing and been promoted ****</p>						
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

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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
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
PR 181-11 SCCR 804	Terra +Aqua	Ed3A-ValR1	SYNi	7.2.1P1	01/2008	Canceled

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**** 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	
	FM1 FM2	Beta1-Ed4	SSF	Inversion		
	FM3 FM4	Beta1-Ed4	SSF	Inversion		

Table 2. December 14, 2011 - 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 763 – Formatted the updated TISA Gridding Operator’s Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 763 – Formatted the updated TISA Gridding Test Plan and provided it to CM to use during testing. (Saunders) • SCCR 763 – Received the new tar files for this TISA Gridding delivery. (Ayers)
AMI Job Submission Scripts – Phase 1	Ayers (Grepitotis)	<ul style="list-style-type: none"> • Development continues on the scripts for upcoming deliveries. (Grepitotis, Hillyer)

Table 3. CERES Subsystem Delivery Schedule – December 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)
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>
TISA Gridding (SCCR 763)	N/A	December 9 In CM Queue	December 16	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>
ERBE-like (SCCR 867)	January 6	January 20	January 27	Porting all ERBE-like PGEs to x86 platform and standardizing exit codes.			<i>AMI-x86</i>
Clouds (SCCR 809)		Early 2012		Redelivering the Edition4 code to <i>AMI-P</i> .			<i>AMI-P6</i>
Inversion (SCCR 814)		2 Weeks after Clouds		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>
TISA Averaging		Spring 2012		Delivering the Clouds-by-Flux-Type code to <i>AMI-P</i> .			
Instrument (SCCR 877)		July 2012		Converting PGE CER1.3P3 to C++ creating new PGE CER1.4P3.		X	
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.			

Table 3. CERES Subsystem Delivery Schedule – December 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)
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 – December 2011

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 November 28 at 1:30 p.m. – December 12 at 12:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
763		X				TISA Gridding	13	Complete SCCR can be reviewed on CERES CM Web site.
814			X			Inversion		
846				X		Perl_Lib		
859				X		CERESlib		
867			X			ERBE-like		
874			X			Inversion		
875			X			CERESlib		
876			X			Perl_Lib		
877	X					Instrument	14	
878	X					Instrument	15	

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

CERES Software Configuration Change Request Submittal

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Subsystem: TISAgid9.0

SCCR Date: 03/16/2010

SCCR Number: 763

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ADDITIONAL CHANGES TO SCCR NO. 763:

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Parameter Change: () YES (X) NO

Description of Change (Science):

Requirement # 9-0.10

Modified PGE CER9.0P2 code to include overlap footprints in the processing hour.

Requirement # 9-0.11

Modified PGE CER9.0P3 code to limit merged value to be 10% of GGEO value when there is no CERES data available for the hour of the region.

Reason for Change (Science):

Requirement # 9-0.10

This modification is to eliminate half hour issue found when scan end, start time footprints fall within the same region.

Requirement # 9-0.11

This modification is to avoid high temperature values found in some regions.

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: CER9.0P2, CER9.0P3

Estimated Time to Complete Change: Completed

Planned Delivery Date: Friday 9, December 2011

List Affected Subsystems and PGE Names: SS9 : PGE CER9.0P2, CER9.0P3

Date & Time: 2011-12-07 09:15:11

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: Instrument SCCR Date & TIME: 2011-12-07 13:39:59 SCCR No.: 877

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Req. 1-22: Convert PGE CER1.3P3 to C++ creating new PGE CER1.4P3.

Reason for Change (non-Science):

Req. 1-22: This is the last PGE to be converted from Ada to C++.

Since this PGE runs 6 mos. to a year after the initial daily PGEs, it was decided that this would be the last PGE converted to C++, because it was not necessary to support NPP at launch.

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:

CER1.3P3

Estimated Time to Complete Change: 6 mos

Planned Delivery Date: July 2012

List Affected Subsystems and PGE Names: Instrument CER1.3P3

Originator: COOPER, DENISE L. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: Instrument SCCR Date & TIME: 2011-12-07 13:53:28 SCCR No.: 878

Parameter Change: () YES (X) NO

Description of Change (Science):

Req. 1-53: 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.

Reason for Change (Science):

Req. 1-53: The PGE was delivered to support NPP at launch and continuing TRMM/Terra/Aqua production for AMI-P on the P6 platform. This is a new PGE on a new platform, so the team expects that minor issues will arise as the PGE is run in production for all spacecraft/instruments as well as unexpected issues that may be encountered with NPP.

Description of Change (non-Science):

Req. 1-53: Update CER1.1P8 to work on the x86 platform.
Updated in-flight gains for NPP will be delivered with this update.

Reason for Change (non-Science):

Req. 1-53: CER1.1P8 was able to process data on the x86 platform, however, a memory leak was discovered that was causing the x86 blade to fail once all the swap memory was taken up by multiple CER1.1P8 runs. The software will be updated to remove all memory leaks that can be found.

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

Estimated Time to Complete Change: 6 mos

Planned Delivery Date: July 2012

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

Originator: COOPER, DENISE L. (SSAI)

Table 6. December 14, 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"> SCCR 875 – Replacing makeall C-Shell scripts with Makefiles. Modifying layout of Editions 1-4 CERESlib and Data_Products code to eliminate mod file clashing and reduce build time. Investigating issue with integrating Fortran 90 code received from SCCR 874. (Hillyer) 	
Perl_Lib	Hillyer (Grepitotis)	<ul style="list-style-type: none"> SCCR 876 – Testing and integrating Toolkit::PCF and Log::PCF updates into Inversion SCCR 814 scripts. (Hillyer) 	
CERES Proc. System	Hillyer (Grepitotis)	<ul style="list-style-type: none"> Completed AGU project poster. (Gleason, Hillyer) Attended AGU Conference. Presented project poster in the <i>Information Systems Technology to Advance Remote Sensing and Data Productivity in the Next Decade</i> Session. (Gleason, Hillyer) Modifying CPS’s planned implementation based on feedback received during AGU session. (Hillyer) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> SCCR 878 – Updating CER1.1P8 to remove the memory leaks that cause issues when attempting to run this PGE on an x86. Also fixing issues that have been found since NPP launch: PCF generation for NPP on 12/03/2011, extra lines in QC report, etc. This delivery is expected to be complete approximately 6 mos. after NPP launch. (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 6 mos. after NPP launch. (Grepitotis, Timcoe) 	

Table 6. December 14, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
1.0 (Cont'd)	Cooper (Grepitotis)	<ul style="list-style-type: none"> • Continued monitoring the receipt of RDRs at the ASDC. The data has begun to flow again after the issue encountered with the fiber line being cut between Svalbard and the ground processing facility. They have managed to find the missing 3 RDRs from 11/14/2011 and we are awaiting their delivery. At this point, we are missing two RDRs from 12/08/2011 and at this point we are uncertain if these are recoverable or not. (Cooper, Spivak) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Created Nadir files for June-2011 Terra Edition3. (Walikainen) • Process Quality Audit concerning Subsystem-level Integration and Test: no Action Items. (Walikainen) • Addressed Ed3 sampling strategy issues with 3.1P1: use of \$SAT-\$INST in production (i.e., PR 191-11), and need to use something other than SS2 as input (i.e., SS3_1in) since for Ed3 SS2=\$SAT-Xtrk instead of \$SAT-\$INST as used by 2.2P1 and 2.3P1/2. (Lande, Grune, Coleman) • SCCR 867 - Created a ticket and committed code via Subversion. (Walikainen) • SCCR 867 - Successfully updated CER2.2P1 with ES8 plotting on x86. (Grepitotis, 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"> • Completed poster displaying Web tool for viewing GEWEX data. (Smith, Gibson, Heckert) • Attended AGU conference in San Francisco and presented GEWEX Web tool poster. (Smith, Gibson, Heckert) • Processed QC global images and statistics for Terra Edition2B and Aqua Edition1C for spring and summer of 2011. Results were posted on the Web. (R. Brown) • FLASHFlux QC global images and statistics were processed for Terra for 2011. Results are posted on the Web. (R. Brown) • Added CloudVis files with Calib, Destrip, and MASK V1 to the CLOUDS Tool Website. (Chen) 	

Table 6. December 14, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • SCCR 809 - Continue working on generating the calibration files from fitted files from the observed 3.7 μm Terra and Aqua data (2002 to 2011). (Chen) • Continue checking the daily ingest completion of VIMD and VAOT data on /ASDC_archive. (Chen) • SCCR 809 - Worked on calibration for 3.7 μm. (Sun-Mack) • SCCR 809 - Worked on implementing de-stripe for 3.7 – 11 μm. (Sun-Mack) • SCCR 809 - Looked into inconsistency issue between Aqua and Terra for 1.24 particle size. Did various tests using normalized factors among Aqua, Terra and SCIAMACHY. (Sun-Mack) • SCCR 809 - Helped the mask developer on mask related issues . (Sun-Mack) • SCCR 809 - Looked into making the environment variables consistent. (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"> • Generated daily QC files for Aqua and Terra Edition3 data as processed. (Miller) • Produced Tecplot data files and JPG images for Aqua and Terra Edition3 SSF radiances and TOA fluxes as produced. (Antropov) (Edition3) • Modifying a CERESlib program that calculates area from geocentric (spherical Earth) to geodetic (ellipsoid). Using the Thaddeus Vincenty devised formulae for calculating geodesic distances between a pair of latitude/longitude points on the Earth's surface. (Antropov) • Modified new GRing model using spherical Earth technique and produced test cases for the ASDC to check with their metadata database tools. (Antropov and Miller) (Edition4) 	
4.5	Sothcott	<ul style="list-style-type: none"> • SCCR 814 - Continued testing of SW Model B algorithm using the updated CERESlib. (Sothcott) • SCCR 814 - Continued working on updates to the Operator's Manual. (Sothcott) 	

Table 6. December 14, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.5 (Cont'd)	Sothcott	<ul style="list-style-type: none"> Supporting FLASHflux with updates to the Inversion code and the recent SW Model B algorithm update. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Nothing new to report. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> Re-running 2000 thru 2004 SYNI Lite data due to error in offline processing of surface albedo history maps. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Debugging and validating Edition4 FlashFLUX MOA. (Caldwell) 	
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> Continued processing merged Terra/Aqua TSI data to provide input to SYNI and SYN. (Nguyen) Continued providing hourly data for Africa regions for Aqua, Terra, merge Terra/Aqua observed, nonGEO, 1-hourly and 3-hourly GGEO data to support Dave Doelling's GERB comparison. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> Continue producing SYN data with the available TSI and SYNI. Created the corresponding netCDF files for Cristian Mistrescu to post on the subsetter. (Lock) 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> Ran Flux-by-Cloud Type code to produce the daily data. Continue providing the statistic analysis and plots to the science team to validate code. (Lock) Supported the science team in flux-by-cloud code validation by providing regions with significant difference when comparing to the SFC data to investigate. (Lock) Supported flux-by-cloud validation. Continued updating code to improve the fluxes. Provided one month of data and plots for validation. (Nguyen) Added the number of good footprints for the regions to the data set and plotted data for 80 and 20 percent good footprints for validation. (Nguyen) 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> No new updates. (Raju) 	

Table 6. December 14, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> • SCCR 763 – CER9.0P2/P3 software was tested and delivered to CERES CM on Dec 9, 2011. Documents were updated and sent to CERES CM. (Raju) • Continued to process SSF data through PGEs CER9.0P2/P3 to create ISCCP-D2like-Mrg products for sub setter. So far, completed 5 years of data. (Raju) • Completed Terra/Aqua Edition3 SFCB off line processing and inputs were provided to TSI process. (Raju) • Checked Aqua SFC/SSFA files in response to Dave/Fred Rose enquiry regarding the land aerosol high values over the Antarctica and found these values are coming from SSFA footprints into SFC process. Sent the SSFA footprint information to the science members. (Raju) • Continued to provide information to flx-by-cld team regarding their SFC vs. flx-by-cld comparisons. As per Dave Doelling’s request, making temporary updates to SFC software to process data in GMT time and create output for flx-by-cld product comparison purpose. (Raju) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Sent requested METEO-5 region information from 07/2004 3-Hourly, 1-Hourly products to Dave Doelling. Checking the METEO-5 1-Hourly process to find why the hour index is off by one between 3-Hourly, 1-Hourly products. (Raju) 	

Table 7. December 14, 2011 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Received input from Sunny on her contributions to the environment variables standardization effort. (Coleman) • Preparing to start testing the PR Generation application. Prepared PR File-like spreadsheet that contains actual PRs for each PGE, and entering these will be the tests. (Coleman) • Entering input product sampling strategy information into the database. (Grune) • Experimenting with outputting the stream to be used by the controller/scheduler. (Heckert)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • Initiated development of scripts to help with CM control of Web pages promoted to the production Website. Need to work with Ben to work through permission issues with multiple users. (Kizer) • Continue to assess effort and path forward for migrating all CERES project Web pages from older Web servers to the ASDC Web Cluster. A meeting with the ASDC SA Web team is scheduled for this week. (Kizer)

Table 8. December 14, 2011 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none">• CERES is waiting to receive the latent data from the Svalbard outage. The 3 missing RDRs from 11/14/2011 have been located and we are awaiting them to be delivered to the ASDC. (Cooper, Spivak)• Continued to attend twice-daily NPP Mission Data Leads tag-ups to monitor spacecraft and instrument activation status. Also attending ad-hoc data anomaly TIMs. (Closs)• Monitored Discrepancy Report Action Team (DRAT) teleconferences. (Miller)• Drafted Discrepancy Report on duplicate CERES RDR having less data than earlier file on Dec 6, 2011. (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
	CER1.1P1	Y	N	N/A	SSI&T	N/A	Devel	16	Y	To be disabled when C++ working- CER1.1P8
	CER1.1P3	Y	N	N/A	SSI&T	N/A	Devel	16	Y	To be disabled when C++ working- CER1.1P8
	CER1.1P5	Y	N	N/A	SSI&T	N/A	Devel	16	Y	To be disabled when C++ working- CER1.1P8
	CER1.1P7	SSI&T	N	N/A	SSI&T	N/A	Devel	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	Y	16	Y	16	Y	C code, NPP capable.
	CER1.3P1	Y	N	N/A	N	N/A	Y	16	Y	Replace with CER1.4P1 on P6
	CER1.3P2	Y	N	N/A	N	N/A	Devel	16	Devel	Replace with CER1.4P2 on P6
	CER1.3P3	Y	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	Devel	
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	
ERBE-like - 3	CER2.4P1	N	Y	16	Y	16	Devel	16	Y	
	CER3.1P1	N	Y	16	Y	16	Devel	16	Y	
	CER3.2P1	N	Y	16	Y	16	Devel	16	Y	

Table 1: PGE Current Events Status Table

Subsystem ID	PGE ID	Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)	Comments
		S/GI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver		
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	N	Y	16	N	N/A	N	N/A	n/a	<i>warlock</i> 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	<i>warlock</i> version recompiled for 2008 Edition2, Use P4 for 3/10 forward
	CER4.1-4.1P6	N	N	N/A	Devel	16	N	N/A	SSI&T	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	SSI&T	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	SSI&T	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	SSI&T	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	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	

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	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 only for now, Ed3 version requires delta delivery
	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
TISA Grid - 6	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	
	CER6.1P2	N	N	N/A	N	N/A	N	N/A	n/a	New PGE for Edition4
	CER6.2P1	N	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
TISA Avg - 7.1	CER6.3P1	N	Y	15	N	N/A	N	N	n/a	
	CER6.3P2	N	N	N/A	Devel	16	Devel	16	n/a	New PGE for Edition4
SARB - 7.2	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
TISA Avg - 8	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 Grid - 9	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	Devel	16	N	N/A	Devel	New PGE for Edition3

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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
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	
	CER12.1P2	N	N	N/A	Y	16	Y	16	Y	

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
8/1/2011	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 P6 and New Wrapper Status from "Devel" to "SSI&T", Changed X86 status from "Devel" to "N"
	CER4.5-6.1P4,5, 2P3, 4P2	Changed X86 status from "Devel" to "N"
9/6/2011	CER4.1-4.1P6, 2P4, 2P5, 3P3 CER4.5-6.1P4, 1P5, 2P3, 4P2	Changed P4 status from "Y" to "N"
	CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 CER3.1P1, 3.2P1 CER4.1-4.1P4, 1P5, 2P2, 4P1 CER4.5-6.1P2, 1P3, 2P2, 4P1 CER5.0P1, 1P1, 4P1 CER6.1P1, 2P1, 3P1 CER9.1P1, 2P1, 3P1, 4P1 CER12.1P1	Changed SGI Status from "Y" to "N"
	CER4.5-6.1P2, 5P5	Changed P4 status from "SSI&T" to "Y"
	CER7.2.1P1	Changed X86 and New Wrapper Status from "Y" to "SSI&T"
	CER12.1P2	Changed P4 status from "SSI&T" to "N"
	9/19/2011	CER1.1P1,3,5,7 CER1.1P8 CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 CER3.1P1, 3.2P1
10/3/2011	CER1.1P1,3,5,7 CER4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 status from "Devel" to "SSI&T" Changed P6 status from "SSI&T" to "Devel"
10/19/2011	None	
10/31/2011	CER1.1P8, 1.4P2	Changed P6 status to "Y (NPP)"
	CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 CER3.1P1, 3.2P1	Changed P6 and New Wrapper Status from "SSI&T" to "ValRx"
11/15/2011	No Updates	
11/28/2011	CER1.1P8, 1.4P2	Removed "(NPP)" distinction from P6 status
	CER7.3.1P1	Changed P6 and New Wrapper Status from "Devel" to "SSI&T"
12/12/2011	CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 CER3.1P1, 3.2P1	Changed P6 and New Wrapper Status from "ValRx" to "Y"
	CER1.4P3	Changed New Wrapper Status from "N" to "Devel"