

**May 1, 2013 - System Issues and Status**  
**Table 1: Process Strategy/Coleman as of 05/01/13**  
**Active Requests in order of priority as of 04/30/13**

<b>Production Request (PR)</b>	<b>Satellite</b>	<b>Production Strategy</b>	<b>Data Product (SS#)</b>	<b>PGEs</b>	<b>Data Dates</b>	<b>Special Status</b>
<b>*** Baseline1-QC PRs – Standing</b>						
NPP 11-12, 2-11 to 4-11, 13-12  SCCRs 911, 878, 863, 756, 867	NPP	Baseline1-QC	BDS/ ES8	1.0P2, 1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	PRs Active  <i>Upcoming Replacement PRs:</i> <i>NPP 84-13</i> <i>NPP 88-13</i> <i>NPP 91-13</i>
AM 8-11 to 10-11, AM 1-12  PM 8-11 to 10-11, 1-12 to 3-12, 16-12, 21-12       SCCRs 878, 863, 756, 867	Terra  Aqua (FM3, FM4)	Baseline1-QC	BDS/ES8	1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	PRs Active  <i>Upcoming Replacement PRs:</i> <i>AM 81-13</i> <i>AM 85-13</i> <i>AM 89-13</i> <i>PM 82-13</i> <i>PM 86-13</i> <i>PM 87-13</i> <i>PM 90-13</i> <i>PM 83-13</i>
<b>*** Edition1-CV PRs – Standing</b>						
NPP 12-12, 3-12 to 6-12       SCCRs 911, 878, 863, 756, 770	NPP	Edition1-CV	BDS/IES/ PreS8	1.0P2, 1.1P8, 1.2P1, 1.4P1,1.4P2	Standing Request	PRs Active  <i>Upcoming Replacement PRs:</i> <i>NPP 92-13</i> <i>NPP 93-13</i> <i>NPP 94-13</i> <i>NPP 95-13</i> <i>NPP 97-13</i> <i>NPP 159-13</i> <i>NPP 160-13</i> <i>NPP 161-13</i>
NPP 14-12 to 17-12   SCCR 867	NPP	Edition1-CV	ERBEl like	2.2P1 2.3P1, 2 3.1P1	Standing Request	PRs Active

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AM 12-11 to 15-11, AM 2-12 to AM 5-12  PM 12-11 to 15-11, 17-12 to 20-12, 22-12 to 25-12  SCCRs 878, 863, 756, 867	Terra  Aqua (FM3, FM4)	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P8 1.2P1 1.4P1&2, 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	PRs Active  <i>Upcoming Replacement PRs:</i>  <i>AM 108-13</i> <i>AM 111-13</i> <i>AM 133-13</i>  <i>PM 109-13</i> <i>PM 110-13</i> <i>PM 112-13</i> <i>PM 113-13</i> <i>PM 134-13</i> <i>PM 135-13</i>
AM 136-13 to AM 139-13  PM 140-13 to PM 143-13  SCCR 693	Terra  Aqua	Edition1-CV	SSFi Clouds	4.1-4.1P4/5 4.1-4.2P2/3 4.1-4.3P2	12/31/2013 forward	PRs Active
AM 144-13 to AM 146-13  PM 147-13 to PM 152-13  SCCR 913	FM1, FM2, FM3, FM4	Edition1-CV	SSF	4.5-6.1P2/3 4.5-6.2P2 4.5-6.4P1	12/31/2013 forward	PRs Active
<b>*** Snow and Ice Products PRs – Standing</b>						
M 3-12 SCCR 918		NSIDC-CLASS	EICE ESNOW	4.1-4.0P2	Standing Request	PRs Active

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M 1-13  SCCR 943		NSIDC-AFWA-Mesh16th	ESNOW EICE	4.1-4.0P3	Standing Request	PRs Active
M 2-12  SCCR 867		NSIDC	SNOW (ERBE-like Edition1-CV)	2.1P1	Standing Request	PRs Active
<b>*** MOA/PMOA Products PRs – Standing</b>						
M 3-11 SCCR 920	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	PRs Active
M 2-12 - SCCR 914	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	PRs Active
M 205-13	CERES	GMAO-G541-Ed4	MOA	12.1P2	Standing request 3/2/13 thru 4/1/15	PRs Active
The PRs that follow are the Non-Standing PRs that can be processed						
<b>*** Edition 3 Instrument &amp; ERBElke PRs</b>						
No open PRs at this time for this processing stream						
<b>*** Edition 3 SSF &amp; SSF1deg-Hour (SSF, SFC &amp; SAH)</b>						
43-13, 45-13, 47-13  SCCR 914	Terra	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/2012 – 8/2012	PR Ready - Final Complete. 4/30/13  Priority Level 2
42-13, 44-13, 46-13  SCCR 914	Aqua	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/2012 – 8/2012	PR Ready – Final  Priority Level 2
195-13  SCCR 917	Terra	Edition3A	SAH	5.0P2	10/2012 – 12/2012	PR Ready - Final  Priority Level 2

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196-13  SCCR 917	Aqua	Edition3A	SAH	5.0P2	10/2012 – 12/2012	PR Ready - Final  Priority Level 2
197-13 to 202-13  SCCR 914	Terra, Aqua	Edition3A	SFC	9.2P2 9.3P2 9.4P2	9/2012 – 11/2012	PR Ready - Final <i>(except PR 200-13- Review Complete)</i>  Priority Level 2
<b>*** Edition 3 TSI --&gt; SYNI --&gt; SYN1deg</b>						
48-13  SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI	10.0P3	6/2012 – 8/2012	PR Review Complete  Priority Level 2
49-13  SCCR 801	Terra+ Aqua	Edition3A	TSI	7.3.1P1	6/2012 – 8/2012	<b>PR Pending SIT Review</b>  Priority Level 2
211-13  SCCR 938	Terra+ Aqua	Edition3A	SYNI	7.2.1P1	4/12 – 8/12	PR Review Complete Processed thru 5/13  Priority Level 2
213-13  SCCR 795	Terra+ Aqua	Edition3A	SYN1deg	8.1P1	4/2012 – 8/2012	<b>PR Pending SIT Review</b> <i>(a question has been raised regarding value of PLAT variable)</i>  Priority Level 2
203-13  SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI	10.0P3	9/2012 – <del>11/2012</del> 10/2012	PR Review Complete  Priority Level 2

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204-13  SCCR 801	Terra+ Aqua	Edition3A	TSI	7.3.1P1	9/2012 – <del>11/2012</del> 10/2012	<b>PR Pending SIT Review</b>  Priority Level 2
214-13  SCCR 938	Terra+ Aqua	Edition3A	SYNI	7.2.1P1	9/12 – 10/12	<b>PR Pending SIT Review</b>  Priority Level 2
215-13  SCCR 795	Terra+ Aqua	Edition3A	SYN1deg	8.1P1	9/12 – 10/12	<b>PR Pending SIT Review</b> <i>(a question has been raised regarding value of PLAT variable)</i>  Priority Level 2
<b>**** Beta2-Ed4 SSFi --&gt; SSF</b>						
52-13 to 55-13  SCCR 947	Terra	Beta2-Ed4	SSFi	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	3/2000 – 5/2005	<b>PR Pending SS Review</b>  Priority Level 2
126-13 to 128-13  SCCR 947	FM1 FM2	Beta2-Ed4	SSF	4.5-6.1P4 4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	3/2000 – 5/2005	PR Review Complete  Priority Level 2
56-13 to 59-13  SCCR 947	Aqua	Beta2-Ed4	SSFi	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	7/2002- 3/2005	<b>PR Pending SS Review</b>  Priority Level 2
129-13 to 131-13  SCCR 947	FM3 FM4	Beta2-Ed4	SSF	4.5-6.1P4 4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	7/2002- 3/2005	PR Review Complete  Priority Level 2
<b>*** ISCCP-D2like Stream (all the ISCCP-D2like products)</b>						

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104-13, 105-13  SCCR 915	FM1, FM2	Edition3A	ISCCP-D2like-Day/Nit	9.0P1	3/2000 – 9/2012	<b>PR Pending SIT Review</b>  Priority Level 2
106-13, 107-13  SCCR 915	FM3, FM4	Edition3A	ISCCP-D2like-Day/Nit	9.0P1	7/2002 – 9/2012	<b>PR Pending SIT Review</b>  Priority Level 2
96-13  SCCR 916		Edition2A	ISCCP-D2like-GEO	11.7P1	3/1/10 – 6/30/12	<b>PR Pending SIT Review</b>  Priority Level 2
<b>**** The PRs are for PGEs that have not completed pre-op testing and been promoted to the production environment</b>						
183-13, 185-13  SCCR 934	Terra, Aqua	ValR1-P6	SSF1deg-Day, Month	10.0P4	7/2008 – 10/2008	<b>PR Pending SIT Review</b>  Priority Level 2
184-13, 186-13  SCCR 934	Terra, Aqua	ValR1-X86	SSF1deg-Day, Month	10.0P4	7/2008 – 10/2008	<b>PR Pending SIT Review</b>  Priority Level 2
187-13  SCCR 934	Terra	Edition3A	SSF1deg-Day, Month	10.0P4	3/2000 – 11/2012	<b>PR Pending SIT Review</b>  Priority Level 2
188-13  SCCR 934	Aqua	Edition3A	SSF1deg-Day, Month	10.0P4	7/2002 – 11/2012	<b>PR Pending SIT Review</b>  Priority Level 2
<b>**** The PRs that follow are for PGEs that are pending delivery.</b>						
76-13 to 80-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956		1.1P8	12/1/12 – 12/31/12	<b>PR Pending SIT Review</b>

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98-13 to 100-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed3-P6		1.4P3	5/31/12 – 7/1/12	<b>PR Pending SIT Review</b>
101-13 to 103-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed3-X86		1.4P3	5/31/12 – 7/1/12	<b>PR Pending SIT Review</b>
153-13 to 155-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed4-P6		1.4P3	5/31/12 – 7/1/12	<b>PR Pending SIT Review</b>
156-13 to 158-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed4-X86		1.4P3	5/31/12 – 7/1/12	<b>PR Pending SIT Review</b>
<b>**** The PRs that follow have completed processing since the last report</b>						
4-13, 5-13  SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI TSI	10.0P3 7.3.1P1	12/2011 – 5/2012	Complete. 2/25/13
50-13  SCCR 917	Terra	Edition3A	SAH	5.0P2	7/2012 – 9/2012	Complete. 4/25/13
51-13  SCCR 917	Aqua	Edition3A	SAH	5.0P2	7/2012 – 9/2012	Complete. 4/25/13
162-13 to 181-13  SCCRs 863, 877, 867	FM1 FM2 FM3 FM4	Edition3	BDS, IES, ES8, ES9, ES4	1.2P1 1.4P3 2.2P1 2.3P1 2.3P2 3.1P1 3.2P1	9/2/2012 – 12/31/2012	Complete. 4/18/13

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189-13 to 191-13 SCCR 939	FM1	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	10/2012 – 12/2012	Complete. 4/21/13
192-13 to 194-13 SCCR 939	FM3	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	10/2012 – 12/2012	Complete. 4/26/13
206-13 thru 209-13 SCCRs 947, 814	Terra	ValR2-Beta2Ed4	SSFi, SSF	4.1-4.1P6 <del>4.1-4.2P4</del> 4.1-4.2P5 <del>4.1-4.3P3</del> 4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	07/2002	Complete. 4/24/13
30-13 SCCR 804	Terra+ Aqua	Edition3A	SYNI	7.2.1P1	12/2011 – <del>5/2012</del> 3/2012	Complete. PR closure pending addition of comment box in PRDB to indicate actual ending date
2-13 SCCR 795	Terra+ Aqua	Edition3A	SYN1deg	8.1P1	12/2011 – <del>5/2012</del> 3/2012	Complete. PR closure pending addition of comment box in PRDB to indicate actual ending date
<b>**** PRs to be written</b>						
TBD	Terra	Edition3A	ISCCP-D2like-Mrg	9.0P2 9.0P3	3/2000 – 6/2012	Delivery expected this week
TBD	Aqua	Edition3A	ISCCP-D2like-Mrg	9.0P2 9.0P3	7/2002 – 6/2012	Delivery expected this week



**Table 2. May 1, 2013 - System Issues and Status**

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"><li>• Nothing to report. (Miller)</li></ul>
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"><li>• See <a href="#">Table 3</a> for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow <a href="#">Table 3</a>. (Ayers)</li><li>• SCCR 966 - Installed this ERBE-like delta delivery on <i>AMI-P</i> and released it to the ASDC on April 16. (Ayers)</li><li>• SCCR 964 - Formatted the updated Perl_Lib Test Plan, posted it on the Web, and notified the ASDC that the document was available. (Saunders)</li></ul>
<i>AMI</i> Job Submission Scripts (AJSS)	Ayers (Hillyer)	<ul style="list-style-type: none"><li>• Assisting subsystems with the job submission scripts for upcoming deliveries as necessary. (Grepitotis)</li></ul>

**Table 3. SCCR Activity April 16 at 4:00 p.m. – April 29 at 2:00 p.m.**

<b>SCCR</b>	<b>S</b>	<b>U</b>	<b>A</b>	<b>C</b>	<b>D</b>	<b>SS</b>	<b>Page No.</b>	<b>Comments</b>
938				X		Synoptic SARB		
958				X		PR_Database		
964			X			Perl_Lib		
965		X	X			CERESlib	11	
966			X	X		ERBE-like		
967	X		X			TISA Gridding	12	CERESlib modifications.
968	X					GGEO	13	

**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: 04/03/2013

SCCR Number: 965

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ADDITIONAL CHANGES TO SCCR NO. 965:

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Parameter Change: ( ) YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

See SCCR 967.

Reason for Change (non-Science):

See SCCR 967.

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: Completed

Planned Delivery Date: Delivered

List Affected Subsystems and PGE Names: TISA Gridding

Date & Time: 2013-04-29 13:59:24

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: TISAggrid                      SCCR Date & TIME: 2013-04-17 16:20:58                      SCCR No.: 967

Parameter Change: ( ) YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Adding chk\_isnan function received from Raja Raju into range\_check.f90 CERESlib module.  
(Requirement 9.0-16)

Reason for Change (non-Science):

Required for TISA Gridding code delivery for x86\_64 and ppc64. (Requirement 9.0-16)

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:

CER9.0P3

Estimated Time to Complete Change: Completed

Planned Delivery Date: April 19,2013

List Affected Subsystems and PGE Names: TISA gridding

Originator: RAJU, RAJA (SSAI)

## CERES Software Configuration Change Request Submittal

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Subsystem: GGEO                      SCCR Date & TIME: 2013-04-29 10:39:09                      SCCR No.: 968

Parameter Change: ( ) YES (X) NO

Description of Change (Science):  
N/A

Reason for Change (Science):  
N/A

Description of Change (non-Science):  
Requirement # : 11-35  
PGEs CER11.1P10, CER11.2P2 software delivery to store code and ancillary files in SCF  
Production Code Repository on AMI.

Reason for Change (non-Science):  
Requirement # : 11-35  
This version of software and the ancillary coefficient files were used to produce 01/2012 - 10/2012  
GGEO files at SCF and archived at the ASDC.

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: Completed  
Planned Delivery Date: April 29, 2013  
List Affected Subsystems and PGE Names: None

Originator: RAJU, RAJA (SSAI)

**Table 4. May 1, 2013 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
Toolkit Issues	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>Nothing to report. (Hillyer)</li> </ul>	
CERES-lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>SCCR 965 - Delivered to CM. (Hillyer)</li> </ul>	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>SCCR 964 - Delivered to CM. (Hillyer)</li> </ul>	
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>SCCR 937 - Implementing fixes and adjustments to CATALYST server, database, and Operator's Console. (Hillyer, Wilkins)</li> <li>Working on CATALYST Build 1.1. (Hillyer, Wilkins)</li> </ul>	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> <li>SCCR 956 - In SIT testing. (Cooper, Grepitotis, Timcoe)</li> <li>Continue to work on the scripts to determine if all data for a test was created in CM testing. This will make it easier to determine if testing ran successfully when running multiple days and multiple PGEs. These scripts will be included with any future PGE deliveries. (Cooper, Grepitotis)</li> <li>Working on script updates to create subdirectories for each PGE in the runlogs directory. (Cooper, Grepitotis)</li> <li>Working to create a new PGE CER1.0P3 to be able to read and create NPP Level-0, ephemeris and attitude data from the NPP EDOS SD3 back-up files. These files are in raw spacecraft format and cannot be read through the existing PGE CER1.0P2. At this time, we are not certain that SD3 will use this as their back-up, but we want to be prepared to deal with this type of data should it become necessary. We now have all the information we need to be able to process this data; the original documentation was incorrect and did not contain all the information we needed to be able to read these data files. There are still some questions about this data, but we have now been able to read this data. Still working on processing the data through PGE CER1.1P8. (Cooper, Edmonds, Grepitotis)</li> </ul>	

**Table 4. May 1, 2013 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
1.0 (Cont'd)	Cooper (Grepitis)	<ul style="list-style-type: none"> <li>Working on improvements to the existing Instrument PGEs. Working to make all the existing PGEs use a standard set of classes for input and output, etc. This will make it easier to maintain the software as new requirements come along. (Grepitis)</li> </ul>	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> <li>SCCR 966 - Diagnosed '-FM1 instead of -Xtrk' EID6 file generation in production for Ed3 Terra Dec 21/22 2012. Identified changes needed in X-track database (Terra 2012/2016), then created and submitted SCCR 966 (inc related tar file and delivery memo) to implement them. Followed progress to DPO. Also updated and submitted Requirements log and verified no more changes needed to 2010s X-track database (i.e., no other zeroes nor 2s/4s, also checked with Raja's and Dale). (Lande)</li> <li>SCCR 956 - Checked status of ValRs (76-13 to 80-13) related to SPRs that will require start date updates upon promotion (1.1P8 Terra/Aqua + FM5 Baseline). (Lande)</li> <li>Continued monitoring progress of PRs to process latest Ed3 gains/SRFs: SS1.0 FM1-4 PRs activated and resulting BDSs/PRES8s on DPO, followed by SS2.0/3.0 Terra PRs. Submitted analysis of <i>P6</i> versus <i>x86</i> HDF file sizes (compression improvement) versus data diffs to Raja. Created and sent review of ERBE-like portion of eosweb (ES8/9/4 date ranges, labels, -NoSW, etc.) to the ASDC/Tak/Dale. Verified all Ed3 ES4s/ES8s (BOM-2012) on DPO. Analyzed missing Jan/Feb 2006 Terra-Xtrk ES4/9s on DPO for the ASDC (FM2 was Xtrk during period, wrapper skipped 3.1P1 outputs), waiting for DPO update. (Lande)</li> <li>Provided Instrument Working Group with candidate Aqua Edition4 SRFs. (Walikainen)</li> </ul>	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> <li>Processed Monthly QC global images and statistics for Aqua Edition1C from 201206 through 201212 as well as annual results for 2012. Results were posted on the Web. (R. Brown)</li> </ul>	

**Table 4. May 1, 2013 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> <li>• Processed QC results for ValR2 Beta2Ed4, ValR1-Beta2-Ed4, and Edition2 for Terra and Aqua for 200607 and 200701. Differences were also produced and results were posted on the Web. (R. Brown)</li> <li>• SCCR 919 - Completed testing of the new PCF generator for PGEs CER4.1-4.1P4, CER4.1-4.1P5, CER4.1-4.2P2, CER4.1-4.2P3, and CER4.1-4.3P2. (Smith)</li> <li>• SCCR 919 - Moved SCCR 919 to <i>AMI-P</i> and began testing there. (Smith)</li> <li>• SCCR 919 - Continuing robust testing of SCCR 919 on <i>AMI</i>. (Smith)</li> <li>• SCCR 919 - Working on test plan and operators manual updates for SCCR 919. (Smith)</li> <li>• Tested the new features of Cloud Pixel Tool. (Chen)</li> <li>• Preparing to process NEWS with RelB1 version starting July 2012 for ARM scientists to do 3D clouds comparison. Clouds, Convolution, inversion, and sarb results were reduced with RelB1 version for July of 2012. (Chen)</li> <li>• Added multi and vint extra to the QC package. (Chen)</li> <li>• Continue checking the daily ingest completion of VIMD (03001) and VAOT (03001) data on the /ASDC_archive. (Chen)</li> <li>• Working with Pam Mlynczak on changes required in statistics gathering for the next CERES Ordering Tool release; also working on scripts to provide order data to EMS in required format. (Heckert)</li> <li>• Made some additional changes to the SCCR Dashboard Tool. (Heckert)</li> <li>• Worked with team members on current on-going tasks. (Sun-Mack)</li> <li>• Worked on CM3E ARM SGP validations with Baike. (Sun-Mack)</li> <li>• Worked on Azores validations with Baike. (Sun-Mack)</li> <li>• Implemented Ed4 algorithm into viirs package. (Sun-Mack)</li> <li>• Working on VIIRS Bow Tie Deletion. (Sun-Mack)</li> </ul>	



**Table 4. May 1, 2013 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.2	Sun-Mack	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	
4.3	Sun-Mack	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	
4.4	Miller (Antropov)	<ul style="list-style-type: none"> <li>SCCR 919 - Supported Edition1-CV delivery to <i>AMI-P</i>. (Miller)</li> <li>Modified SSF Binary QC Read file to use DPO and hourly files instead of daily files created earlier along with changes for <i>x86</i>. (Miller)</li> <li>Modified Narrowband-Broadband program to use hourly SSF QC files from the DPO. (Miller)</li> <li>Produced Narrowband-Broadband ratios for Edition3 (2011 and 2012) and Edition1-CV (2012) files for both Terra and Aqua. (Miller)</li> <li>Updated Narrowband-Broadband graphics for posting on the Web for Edition3 and Edition1-CV for both Terra and Aqua. (Miller)</li> <li>Added more attributes to the HDF5 version of the SSF. (Antropov)</li> </ul>	
4.5	Sothcott (Caldwell)	<ul style="list-style-type: none"> <li>Currently reviewing the ValR2-Beta2Ed4 results for validation. (Sothcott)</li> <li>Ran Beta2Ed4 results through Inversion software to test changes to the LW model B algorithm and the near-surface constrained temperature algorithm. Results are currently under evaluation with the SOFA working group. (Sothcott)</li> <li>Continue to update software in preparation for the NPP FM-5 delivery and the final Edition4 delivery. (Sothcott)</li> </ul>	
4.6	Sothcott (Caldwell)	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	
5.0	Caldwell (Sothcott)	<ul style="list-style-type: none"> <li>Working on Edition4 SARB PGEs. Trying to incorporate Edition4 MATCH data into surface albedo history processing and prepare scripts for SGE job submission for future testing. Communicating with Dave Fillmore to sort out details of MATCH data to be staged directly to the ASDC. (Caldwell)</li> </ul>	

**Table 4. May 1, 2013 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
7.2	Caldwell (Sothcott)	<ul style="list-style-type: none"> <li>Resolved Problem Report #211 by delivering updated SSIT testing scripts. (Caldwell)</li> </ul>	
12.0	Caldwell (Sothcott)	<ul style="list-style-type: none"> <li>No new updates. (Caldwell)</li> </ul>	
7.1	Nguyen (Keyes)	<ul style="list-style-type: none"> <li>Continue working on Edition4 PGE CER10.0P3. Implemented LW narrowband to broadband conversion coefficients and LW ADM to the code. Provided plots to help validate TOA LW fluxes. (Nguyen)</li> <li>Working on LW code with the use of 1hr GGEO data. (Nguyen)</li> <li>Continue working on implementing a shortwave (SW) narrowband (NB) to broadband (BB) model into PGE CER10.0P3. (Wrenn)</li> </ul>	
8.0	Nguyen (Keyes)	<ul style="list-style-type: none"> <li>No new updates. (Nguyen)</li> </ul>	
10.0	Nguyen (Keyes)	<ul style="list-style-type: none"> <li>SCCR 940 - Began getting the daily netCDF code working as part of the PGE instead of being standalone. Preparing for the delivery. (Keyes)</li> <li>Revised PRs for PGEs CER10.0P3, CER10.0P4, and CER7.3.1P1. (Keyes)</li> </ul>	
6.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> <li>No new updates. (Raju)</li> </ul>	
9.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> <li>SCCR 961 - Working to find the reason for small data differences between products created on <i>P6</i> and <i>x86</i>. Preparing for the CERES CM delivery. (Raju)</li> <li>As per Moguo's request for his LW NB to BB models, PGE CER9.2P2 code was updated to include CERES unfiltered radiances in SFCB product record. Data read routines were modified and created a temporary library to access data. Processed 04/2010 Terra data and provided SFCB files and data access routines. (Raju)</li> </ul>	
11.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> <li>SCCR 968 - Delivered PGEs CER11.1P10 and CER11.2P2 software and ancillary files to CERES CM to archive in the SCF Production Code Repository on <i>AMI</i>. (Raju)</li> </ul>	

**Table 4. May 1, 2013 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
11.0 (Cont'd)	Raju (F. Wrenn)	<ul style="list-style-type: none"><li>• Received 01/2010 1-Hourly MT9 GEO image files. Processed them through Edition4 1-Hourly GGEO code and created validation plots. Sent plots to Ed Kizer to make them accessible through the TISA working Website. Few regions were checked before providing them to Averaging process. (Raju)</li><li>• Checked March 2013 MET10 images for bad scans. (Raju)</li><li>• Work continued on code to identify and process water vapor channel clear sky pixels for MET7 Edition4 version. (Raju)</li></ul>	

**Table 5. May 1, 2013 – DM Tasks**

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> <li>Received feedback from Ops that planned comment box for PRDB display is fine. (Heckert, Coleman, Byrd)</li> <li>Preparing delivery package for SCCR 962, to be delivered when CATALYST testing is ready for it. (Grune)</li> <li>Began preparing standard Test Plan/Procedures for PRDB tests that are to be conducted with each delivery. (Coleman)</li> </ul>
CERES Websites (Kizer)	<ul style="list-style-type: none"> <li>As requested, copied TISA 1 hour images to the Website for viewing via the TISA Website. (Kizer)</li> <li>Made updated CERES Publication list available via CERES Documentation page. Also updated the Science Team members with individual publications. (Kizer)</li> <li>Continue to monitor the CERES DM site scan. (Kizer)</li> <li>As requested, modified the FLASHFlux Website for broken links due to the ASDC Website roll-out. (Kizer)</li> <li>Modified the FLASHFlux processing flowchart and made flowchart image available via the CERES FLASH_TISA and _SSF pages. (Kizer)</li> <li>Inspected links in all CERES Data Quality Summary PDF files converted by the ASDC and reported results to Dave Doelling. (Kizer)</li> <li>Modified URLs in "CERES What do I want?" Web search database to reflect change in the ASDC Website roll-out. (Kizer)</li> </ul>
CERES Ordering Tool (Chu/Mitrescu)	<ul style="list-style-type: none"> <li>Working on the upcoming new release. Mainly fixed bugs related to SSFLevel2. (Chu)</li> <li>Working on the cloud validation tool (fixed bugs). (Chu)</li> <li>Checked the input file format and initially discussed about the user interface for GGO production. (Chu)</li> <li>Add ESG Statistics and Web pages to the Ordering Tool for the upcoming release. (Mitrescu)</li> <li>Re-do EBAF - Surface for internal QC. (Mitrescu)</li> <li>Work on fixing last-minute bug fixes and functions for the upcoming release. (Mitrescu)</li> </ul>

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation <sup>1,2</sup>						Status of Misc. Item(s)		
Subsystem ID	PGE ID	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) <sup>7</sup>	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Instrument - 1	CER1.0P1	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/A	Y	16	Y	16	Y	<b>N</b>	C++ RDR Pre-Processor
	CER1.1P8	N	N/A	Y	16	Y	16	Y	<b>N</b>	C++ NPP, Terra, Aqua
	CER1.2P1	N	N/A	Y	16	Y	16	Y	<b>N</b>	C code, NPP capable.
	CER1.3P3	N	N/A	N	N/A	Y	16	Y	n/a	Replace with CER1.4P3 on P6
	CER1.4P1	N	N/A	Y	16	Y	16	Y	<b>N</b>	
	CER1.4P2	N	N/A	Y	16	Y	16	Y	<b>N</b>	
ERBE-like - 2	CER1.4P3	N	N/A	Y/SSIT	18	Y/SSIT	18	Y	<b>N</b>	Updates needed for Edition4 Processing
	CER2.1P1	Y	16	Y	16	Y	16	Y	<b>N</b>	
	CER2.2P1	Y	15	Y	Y	Y	16	Y	<b>N</b>	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Y	16	Y	16	Y	16	Y	<b>N</b>	
	CER2.3P2	Y	16	Y	16	Y	16	Y	<b>N</b>	
ERBE-like - 3	CER2.4P1	Y	16	Y	16	N	N/A	Y	<b>N</b>	
	CER3.1P1	Y	16	Y	16	Y	16	Y	<b>N</b>	
	CER3.2P1	Y	16	Y	16	Y	16	Y	<b>N</b>	
Clouds 4.1-4	CER4.1-4.0P2	Y	15	Y	18	N	N/A	Y	<b>N</b>	
	CER4.1-4.0P3	N	N/A	Y	18	N	N/A	Y	<b>N</b>	
	CER4.1-4.1P4	Y	16	Devel	18	N	N/A	Devel	<b>N</b>	Ed2, Edition1-CV
	CER4.1-4.1P5	Y	16	Devel	18	N	N/A	Devel	<b>N</b>	Ed2, Edition1-CV
	CER4.1-4.1P6	N	N/A	ValRx	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.1P7	N	N/A	Devel	18	N	N/A	<b>N</b>	<b>N</b>	NPP-VIIRS
	CER4.1-4.2P2	Y	15	Devel	18	N	N/A	Devel	<b>N</b>	Ed2, Edition1-CV
	CER4.1-4.2P3	Y	15	Devel	18	N	N/A	Devel	<b>N</b>	Ed2, Edition1-CV
	CER4.1-4.2P4	N	N/A	ValRx	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P5	N	N/A	ValRx	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P6	N	N/A	Devel	18	N	N/A	<b>N</b>	<b>N</b>	NPP-VIIRS
	CER4.1-4.2P7	N	N/A	Devel	18	N	N/A	<b>N</b>	<b>N</b>	NPP-VIIRS
	CER4.1-4.3P2	Y	15	Devel	18	N	N/A	Devel	<b>N</b>	Ed2, Edition1-CV
	CER4.1-4.3P3	N	N/A	ValRx	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.3P4	N	N/A	Devel	18	N	N/A	<b>N</b>	<b>N</b>	NPP-VIIRS

Table 1: PGE Current Events Status Table

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Subsystem ID	PGE ID	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) <sup>7</sup>	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Inversion/SOF A 4.5-6	CER4.5-6.1P2	Y	16	Y	18	Y	18	Y	<b>N</b>	Ed2 Terra Main
	CER4.5-6.1P3	Y	16	Y	18	Y	18	Y	<b>N</b>	Ed2 Aqua Main
	CER4.5-6.1P4	N	N/A	Y	16	N	N/A	Y	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	N/A	Y	16	N	N/A	Y	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.1P6	Y	16	Y	18	Y	18	<b>N</b>	<b>N</b>	NPP-VIIRS
	CER4.5-6.2P2	Y	16	Y	18	Y	18	Y	<b>N</b>	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	N/A	Y	16	N	N/A	Y	Devel	Subset postproc for Terra and Aqua (Ed4 version of 2P2)
	CER4.5-6.2P4	Y	16	Y	18	Y	18	Y	<b>N</b>	Ed3 daily post-processor
	CER4.5-6.4P1	Y	16	Y	18	Y	18	Y	<b>N</b>	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	N/A	Y	16	N	N/A	Y	Devel	Monthly validation site (Ed4 for 4P1)
	CER4.5-6.5P4	Y	16	Y	18	Y	18	Y	<b>N</b>	IES-SSF Terra New PGE, Ed2 format
	CER4.5-6.5P5	Y	16	Y	18	Y	18	Y	<b>N</b>	IES-SSF Aqua New PGE, Ed2 format
SARB - 5	CER5.0P1	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.0P2	Y	15	Y	18	Y	18	Y	<b>N</b>	Ed2/Ed3
	CER5.1P1	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.1P2	ValRx	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.1P3	N	N/A	Devel	16	Devel	16	<b>N</b>	<b>N</b>	New PGE - Edition4 Main for Terra and Aqua
	CER5.4P1	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.4P2	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
TISA Grid - 6	CER6.1P1	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.2P1	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.3P1	Y	15	N	N/A	N	N	n/a	n/a	Ed2 only
TISA Avg - 7.1	CER7.3.1P1	Y	16	Y	16	N	N/A	Y	<b>N</b>	New PGE for Edition3
SARB - 7.2	CER7.2.1P1	Y	16	N	N/A	Y	16	Y	<b>N</b>	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 <sup>1,2</sup>						Status of Misc. Item(s)		
Subsystem ID	PGE ID	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) <sup>7</sup>	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
TISA Avg - 8	CER8.1P1	Y	15	Y	16	N	N/A	Y	<b>N</b>	Migrate to AMI for Ed3
TISA Grid - 9	CER9.0P1	Y	15	Y	18	Y	18	Y	<b>N</b>	Ed2 only
	CER9.0P2	N	N/A	Y	16	N	N/A	Y	<b>N</b>	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N/A	Y	16	N	N/A	Y	<b>N</b>	ISCCP-D2like-MRG Main-processor
	CER9.0P4	N	N/A	Devel	18	N	N/A	Devel	<b>N</b>	
	CER9.0P5	N	N/A	Devel	18	N	N/A	Devel	<b>N</b>	
	CER9.1P1	Y	15	Y	18	N	N/A	Y	<b>N</b>	
	CER9.2P2	Y	16	Y	18	N	N/A	Y	<b>N</b>	PGE for Edition3
	CER9.2P3	N	N/A	Devel	18	N	N/A	<b>N</b>	<b>N</b>	New PGE for Edition4
	CER9.3P2	Y	16	Y	18	N	N/A	Y	<b>N</b>	PGE for Edition3
	CER9.3P3	N	N/A	Devel	18	N	N/A	<b>N</b>	<b>N</b>	New PGE for Edition4
	CER9.4P2	Y	16	Y	18	N	N/A	Y	<b>N</b>	PGE for Edition3
	CER9.4P3	N	N/A	Devel	18	N	N/A	<b>N</b>	<b>N</b>	New PGE for Edition4
TISA Avg - 10	CER10.0P3	Y	16	Y	16	N	N/A	Y	<b>N</b>	PGE for Edition3
	CER10.0P4	N	N/A	SSI&T	18	SSI&T	18	SSI&T	<b>N</b>	Edition3A, Non-GEO
GGEO - 11	CER11.1P10	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.2P2	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.4P1	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.6P1	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.7P1	Y	16	Y	18	Y	18	Y	<b>N</b>	
Regrid MOA - 12	CER12.1P1	Y	16	Y	16	Y	16	Y	<b>N</b>	Edition 2/3
	CER12.1P2	N	N/A	Y	16	Y	16	Y	<b>N</b>	Edition 4

Table 1 Key:		
<sup>1</sup> 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
<sup>2</sup> Prod. Platform	SGI	warlock
	P4	Magneto - IBM P4
	P6	AMI - IBM P6
	X86	AMI - IBM X86
<sup>7</sup> "New" Wrapper Scripts for AMI Status	Y	Scripts in production
	n/a	Not needed for this PGE
	N	Development not yet begun
	SSI&T or SSIT	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
1/9/2013	11.7P1, 9.0P1	Changed P6 and New Wrapper Status from "Devel" to "SSI&T", Changed X86 status from "N" to "SSI&T"
	4.1-4.0P2	Changed P6 and New Wrapper Status from "SSI&T" to "ValRx"
	4.1-4.0P3	New PGE added to list
	1.4P3	Changed P6, X86, and New Wrapper Status from "Devel" to "SSI&T"
1/23/2013	4.1-4.0P2	Changed P6 and New Wrapper Status from "ValRx" to "Y"
	9.2P2,3,4	Changed P6 and New Wrapper Status from "ValRx" to "Y"
2/6/2013	1.4P3, 4.5-6.1P2,3, 4.5-6.2P2	Changed P6, X86 and New Wrapper Status from "SSI&T" to "ValRx"
	4.1-4.0P3	Changed P6 and New Wrapper Status from "SSI&T" to "ValRx"
2/20/2013	4.1-4.0P3	Changed P6 and New Wrapper Status from "ValRx" to "Y"
	1.4P3, 4.5-6.1P2,3, 4.5-6.2P2	Changed P6, X86, and New Wrapper Status from "ValRx" to "Y"
3/6/2013	None	No changes
3/18/2013	4.1-4.1P7, 2P6, 2P7, 3P4	New PGEs added to list
	4.5-6.1P6	
	9.0P1, 11.7P1	Changed P6 and New Wrapper Status from "SSI&T" to "Y"
	10.0P4	Changed New Wrapper Status from "N" to "Devel"
	1.4P3	Changed P6 and X86 status from "Y" to "Y/Devel" to indicate an updated version to replace current functioning version is in development
4/1/2013	4.-14.1P6, 2P4, 2P5, 3P3	Changed TK version from 16 to 18
	10.0P4	Changed P6, X86, and New Wrapper Status from "Devel" to "SSI&T"
4/15/2013	1.4P3	Changed P6 and X86 status from "Y/Devel" to to "Y/SSIT" to indicate an updated version to replace current functioning version is in testing
	4.-14.1P6, 2P4, 2P5, 3P3	Changed P6 status to "ValRx"
	All	Removed column for SGI information
5/1/2013	No updates	