

## June 12, 2013 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 06/10/13**  
**Active Requests in order of priority**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
<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> NPP 84-13 NPP 88-13 NPP 91-13
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> AM 81-13 AM 85-13 AM 89-13 PM 82-13 PM 86-13 PM 87-13 PM 90-13 PM 83-13
<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> NPP 92-13 NPP 93-13 NPP 94-13 NPP 95-13

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NPP 14-12 to 17-12  SCCR 867	NPP	Edition1-CV	ERBELike	2.2P1 2.3P1, 2 3.1P1	Standing Request	PRs Active  <i>Upcoming Replacement PRs:</i> NPP 97-13 NPP 159-13 NPP 160-13 NPP 161-13
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> AM 108-13 AM 111-13 AM 133-13 PM 109-13 PM 110-13 PM 112-13 PM 113-13 PM 134-13 PM 135-13
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

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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
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	PR Active
M 2-12 - SCCR 914	CERES	DAO-G5- CERES	PMOA	9.1P1	Standing request	PR Active
M 205-13	CERES	GMAO- G541-Ed4	MOA	12.1P2	Standing request 3/2/13 thru 4/1/15	Ready – Final

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
The PRs that follow are the Non-Standing PRs that can be processed						
<b>*** Edition 3 Instrument &amp; ERBELike PRs</b>						
253-13, 256-13  SCCRs 877, 863	FM1 FM2	Edition3	BDS IES	1.4P3 1.2P1	1/1/13 – 2/28/13	Review Complete
259-13, 260-13, 263-13, 266-13, 268-13  SCCR 867	FM1 FM2	Edition3	ES8	2.4P1 2.2P1 2.3P1 2.3P2	1/13 – 2/13	Review Complete
254-13, 257-13  SCCRs 877, 863	FM3	Edition3	BDS IES	1.4P3 1.2P1	1/1/13 – 2/28/13	Review Complete
261-13, 264-13, 267-13, 269-13	FM3	Edition3	ES8	2.4P1 2.2P1 2.3P1	1/13 – 2/13	Review Complete
255-13, 258-13  SCCRs 877, 863	FM4	Ed3-NoSW	BDS IES	1.4P3 1.2P1	1/1/13 – 2/28/13	Review Complete
262-13, 265-13  SCCR 867	FM4	Ed3-NoSw	ES8	2.4P1 2.2P1	1/13 – 2/13	Review Complete
270-13  SCCR 867	Terra	Edition3	ES4, ES9	3.1P1	12/12 – 1/13	Review Complete
271-13  SCCR 867	Aqua	Edition3	ES4, ES9	3.1P1	12/12 – 1/13	Review Complete
272-13  SCCR 867	FM1 + FM3	Edition3	ES4, ES9	3.2P1	12/12 – 1/13	Review Complete

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
<b>*** Edition 3 SSF &amp; SSF1deg-Hour (SSF, SFC &amp; SAH)</b>						
236-13 to 238-13 SCCR 939	Terra	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	6/30/2010 – 11/29/2011	PR Ready - Final  Processing Active
239-13 to 241-13 SCCR 939	Aqua	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	6/30/2010 – 11/29/2011	Ready - Final
242-13 to 244-13 SCCR 914	Terra	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/30/2010 – 11/29/2011	PR Ready - Final  Processing Active
245-13 to 247-13 SCCR 914	Aqua	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/30/2010 – 11/29/2011	Ready - Final
248-13 SCCR 917	Terra	Edition3A	SAH	5.0P2	7/2010 – 11/2011	PR Ready - Final  Processing Active
228-13 to 230-13 SCCR 914	Terra	Edition3A	SFC	9.2P2 9.3P2 9.4P2	11/30/11 – 12/30/11	Ready - Final
234-13 SCCR 917	Terra	Edition3A	SAH	5.0P2	12/2011	Ready - Final
225-13 to 227-13 SCCR 914	Aqua	Edition3A	SFC	9.2P2 9.3P2 9.4P2	11/30/11 – 12/30/11	Ready - Final
197-13 to 202-13 SCCR 914	Terra, Aqua	Edition3A	SFC	9.2P2 9.3P2 9.4P2	9/2012 – 11/2012	Ready - Final
<b>*** Edition 3 TSI --&gt; SYNI --&gt; SYN1deg</b>						
249-13 SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI	10.0P3	7/2010 – 11/2011	PR Ready - Final  Processing Active

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<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>
232-13 SCCR 801	Terra+ Aqua	Edition3A	TSI	7.3.1P1	7/2010 – 11/2011	PR Ready - Final  Processing Active
251-13 SCCR 938	Terra+ Aqua	Edition3A	SYNI	7.2.1P1	7/2010 – 11/2011	PR Ready - Final  Processing Active
235-13 SCCR 795	Terra+ Aqua	Edition3A	SYN1deg	8.1P1	7/2010 – 11/2011	PR Ready - Final  Processing Active
231-13 SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI	10.0P3	12/2011	PR Ready - Final
232-13 SCCR 801	Terra+ Aqua	Edition3A	TSI	7.3.1P1	12/2011	Ready - Final
233-13 SCCR 938	Terra+ Aqua	Edition3A	SYNI	7.2.1P1	12/2011	<b>PR Pending SIT Review</b>
235-13 SCCR 795	Terra+ Aqua	Edition3A	SYN1deg	8.1P1	12/2011	Ready - Final
<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	Active
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	Active

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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	Ready - Final
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	Ready - Final
<b>*** ISCCP-D2like Stream (all the ISCCP-D2like products)</b>						
96-13  SCCR 916		Edition2A	ISCCP-D2like-GEO	11.7P1	3/1/10 – 6/30/12	<b>PR Pending SIT Review</b> -
216-13	Terra	Edition3A	ISCCP-D2like-Mrg	9.0P2	3/2000 – 6/2012	<b>PR Pending SIT Review</b> -
217-13	Aqua	Edition3A	ISCCP-D2like-Mrg	9.0P2	7/2002 – 6/2012	<b>PR Pending SIT Review</b> -
218-13	Mrg	Edition3A	ISCCP-D2like-Mrg	9.0P3	3/2000 – 6/2012	<b>PR Pending SIT Review</b> -
<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	PR Review Complete  Priority Level 2
184-13, 186-13  SCCR 934	Terra, Aqua	ValR1-X86	SSF1deg-Day, Month	10.0P4	7/2008 – 10/2008	PR Review Complete  Priority Level 2

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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
76-13 to 80-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956		1.1P8	12/1/12 – 12/31/12	PR Pending ValRx Review
98-13 to 100-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed3-P6		1.4P3	5/31/12 – 7/1/12	PR Pending ValRx Review
101-13 to 103-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed3-X86		1.4P3	5/31/12 – 7/1/12	PR Pending ValRx Review
153-13 to 155-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed4-P6		1.4P3	5/31/12 – 7/1/12	PR Pending ValRx Review
156-13 to 158-13  SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed4-X86		1.4P3	5/31/12 – 7/1/12	PR Pending ValRx Review
<b>**** The PRs that follow are for PGEs that are pending delivery.</b>						
<b>**** The PRs that follow have completed processing since the last report</b>						

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104-13, 105-13 SCCR 915	FM1, FM2	Edition3A	ISCCP- D2like- Day/Nit	9.0P1	3/2000 – 9/2012	Complete. 5/15/13
106-13, 107-13 SCCR 915	FM3, FM4	Edition3A	ISCCP- D2like- Day/Nit	9.0P1	7/2002 – 9/2012	Complete. 5/16/13
43-13, 45-13, 47-13 SCCR 914	Terra	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/2012 – 8/2012	Complete Pending Op Review. 5/1/13
42-13, 44-13, 46-13 SCCR 914	Aqua	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/2012 – 8/2012	Complete Pending Op Review. 5/1/13
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

**Table 2. June 12, 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 937 - Formatted the updated CATALYST Test Plan and Operator's Manual, posted them on the Web, and notified the ASDC that the documents were available. (Saunders)</li> <li>• SCCR 937 - Installed and tested Build 1.0.1 on <i>AMI-P</i> and re-released the delivery to the ASDC on June 3. (Ayers)</li> <li>• SCCR 959 - Formatted the updated Inversion Operator's Manual, posted it on the Web, and notified the ASDC that the document was available. (Saunders)</li> <li>• SCCR 962 - Released the PR_Database delivery to the ASDC on May 31. (Ayers)</li> <li>• SCCR 919 - Testing is in progress. (Ayers)</li> <li>• Installed the Terra and Aqua Edition3 ERBE-like spectral response function files for January 1, 2013, through February 28, 2013, on <i>AMI-P</i> and released them to the ASDC on May 31. (Heckert)</li> <li>• SCCR 956 - Formatted the updated Instrument Operator's Manual, posted it on the Web, and notified the ASDC that the document was available. (Saunders)</li> <li>• Provided the updated Promoted Directories document to the ASDC. The promotion information was updated for Instrument, Clouds, Synoptic SARB, and CATALYST. Posted the updated document on the Web. (Ayers, 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 May 28 at 4:00 p.m. – June 10 at 12:30 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>
937		X				CATALYST	12	

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

## CERES Software Configuration Change Request Submittal

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Subsystem: CATALYST                      SCCR Date: 11/13/2012                      SCCR Number: 937

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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):

CATALYST Release 1.0.1. Fixes included for JIRA tickets listed below:

- Adding known missing IES and MODIS files to CATALYST logging database. Also fixing orphaned tattletale jobs.(JIRA ticket CER-27)
- Made the job pane expandable. Added refresh timestamp to job pane. (JIRA ticket CER-28)
- Added tattletale description to Operator's Manual. (JIRA ticket CER-29)
- De-reference integer status code for job state in job details pane of the Operator's Console. (JIRA ticket CER-33)
- Updated Operator's Manual with JAVA version requirement and provided explanation for downloading the Operator's Console. (JIRA ticket CER-37)
- Fix broken CATALYST interface to ASDC Epilog scripting. (JIRA ticket CER-39)
- Install catches for detecting and preventing duplicate PR/job submissions. (JIRA ticket CER-40)
- Fix for broken secondary shutdown procedure. (JIRA ticket CER-49)

Reason for Change (non-Science):

Source code errors and documentation updates. Refer to individual tickets for details.

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: Done

Planned Delivery Date: 5/28/2013

List Affected Subsystems and PGE Names: N/A

Date & Time: 2013-06-05 11:10:37

Originator: HILLYER, THOMAS N. (SSAI)

**Table 4. June 12, 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>Nothing to report. (Hillyer)</li> </ul>	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>Nothing to report. (Hillyer)</li> </ul>	
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>SCCR 937 - Delivered server, Operator's Console, and updated documentation to CERES CM on 5/28. (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>Completed the compare script for PGEs CER1.1P8, CER1.2P1, CER1.4P1, CER1.4P2, and CER1.4P3. Working on updating all of these PGEs to use a standard set of environment variables for testing and updating the test clean-up scripts, etc., to use the new standard set of test environment variables. (Cooper, Grepitotis)</li> <li>Working on script updates to create subdirectories for each PGE in the runlogs directory. (Cooper, Grepitotis)</li> <li>Continue working, as time permits, on 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. (Grepitotis)</li> <li>Continued work 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. (Grepitotis)</li> <li>Provided a list to Chris Harris of all Instrument data products that can be deleted from the DPO to free up space. (Cooper)</li> <li>Provided guidance to the ASDC SIT on Instrument data products that can be removed from the Instrument production area to free up space for continued processing of CERES data. (Cooper)</li> </ul>	

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SS No.	SS Lead	Status	Problems
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> <li>• SCCR 956 - Assisted Vertley with PGE CER1.4P3 ValRs (FM1-4): last date of date range (20120701), also last day of input Ed1-CV BDSs with CC = 300301 (not just first day with CC = 300302). Pointed out both instances available on DPO for processing (checked PGEs CER1.1P8/CER1.4P3 PRs not yet in prod as using current CC codes until 956 promotion updates). After Vertley ran it, notified Denise of SGE log message for this data date: 'next day BDS does not exist' i.e., no 300301 for July 2. Continued checking PPE/SSIT areas for progress on PGEs CER1.1P8 and CER1.4P3 promotion: notified Denise of PPE activities (all ValR instances run, all PRs statuses now 'ValRx Review'). (Lande)</li> <li>• Created and had approved (up to 'Review Complete') all remaining (i.e., monthly: 2.3P1/2, 3.1/2P1) Jan/Feb '13 Ed3 PRs. (Lande)</li> <li>• Verified no need to add env vars IMAG, SCCR for CATALYST. Sent Dale email detailing locations of IDL codes in production (if not inactive, easily de-activated by delta delivery, if needed). (Lande)</li> <li>• Completed week 5 and began week 6 lectures and quizzes of the online HPSC course. Practiced related F90 programming. (Lande)</li> <li>• Provided Instrument Working Group with candidate Aqua Edition4 SRFs. (Walikainen)</li> <li>• Delivered Edition3 SRFs for January and February 2013. (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>• Working on migrating <i>lposun</i> sites (for NEWS, CWG QC page) to the Web cluster. (Heckert)</li> <li>• Taking Coursera course on High Performance Scientific Computing. (Heckert)</li> <li>• Working on SCCR Dashboard development. (Heckert)</li> <li>• Processed SSF data for Terra and Aqua Edition2 from 201207 through 201303. Results were posted on the Web. (R. Brown)</li> </ul>	

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SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> <li>• Changes were made to QC code for calculating CloudFraction No Retrieval. Beta1 and Beta 2 results were reprocessed for validation. (R. Brown)</li> <li>• QC global images and statistics were produced for Terra Beta2-Ed4 for 200003 through 200010 as well as Spring and Summer results. (R. Brown)</li> <li>• Time Series CloudFraction plots for Terra Edition2B-QC and Aqua Edition1C were replotted using different format to show more detail plots. Time Series data files were updated to include results for 2012 through 201303. Processed all cloud property time series for Terra and Aqua Edition2 and posted results on the Web. (R. Brown)</li> <li>• Finished processing C3M outputs with RelB1 version from July of 2012 to December of 2012. (Chen)</li> <li>• Created RGB images to assist Multi Algorithm study for VIIRS data. (Chen)</li> <li>• Assisted writing the perl script and generate the plots for the task of time series of Terra and Aqua Cloud Fraction. (Chen)</li> <li>• SCCR 919 - Worked with CM on SCCR 919 testings. Increased number of hours for expected output of 2-day-runs. Created expected output. (Smith)</li> <li>• Taking Coursera course on High Performance Scientific Computing. (Smith)</li> <li>• SCCR 960 - Working on Clouds VIIRS. (Sun-Mack)</li> <li>• Lapse Rate reviews came back; start looking into them. (Sun-Mack)</li> </ul>	
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>• Working on the program to read binary SSFB and SSFA files and to write HDF5 SSF file. (Antropov)</li> <li>• FM5 - Dialed into the JPSS Customer Forum. (Miller)</li> </ul>	

**Table 4. June 12, 2013 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.5	Sothcott (Caldwell)	<ul style="list-style-type: none"> <li>• SCCR 959 - Completed initial work on NPP software and scripts. Successfully processed one hour of test data offline and compared global maps with the equivalent hour of Edition3A Aqua FM3 data. The initial results appear to be encouraging. (Sothcott)</li> <li>• Continued work to understand and incorporate the hourly MATCH NetCDF aerosol data into the Edition4 software. (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>• Ported PGE CER5.1P2 (CRS processor) to <i>AMI</i> for initial testing. SARB plans to deliver the Edition2 CRS code for NPP processing this fall. Code has been successfully compiled and run on P6 and x86. (Caldwell)</li> <li>• Validation is in progress. (Caldwell)</li> </ul>	
7.2	Caldwell (Sothcott)	<ul style="list-style-type: none"> <li>• Nothing new to report. (Caldwell)</li> </ul>	
12.0	Caldwell (Sothcott)	<ul style="list-style-type: none"> <li>• Nothing new to report. (Caldwell)</li> </ul>	
7.1	Nguyen (Keyes)	<ul style="list-style-type: none"> <li>• Continue working on PGE CER10.0P3 Edition4 LW with 1-hour GGEO data. Change the 2-layer-cloud in LW ANM to 4-layer-cloud. Add the neural network into ADM code. Plan to merge Terra and Aqua SFC for validation. (Nguyen)</li> <li>• Continue providing support to the Edition4 LW validation. (Nguyen)</li> <li>• Continue working on Edition4 SW for PGE CER10.0P3 using 1-hour GGEO. (Wrenn)</li> </ul>	
8.0	Nguyen (Keyes)	<ul style="list-style-type: none"> <li>• No new updates.</li> </ul>	
10.0	Nguyen (Keyes)	<ul style="list-style-type: none"> <li>• SCCR 940 - Finished adding SFC data in the output flux-by-cloud product. (Keyes)</li> <li>• SCCR 940 - Finished separating PGE 9.0P4 into 2 parts. First part now only creates daily SSF subsets. The second part creates the nb2bb coefficients. Moved the second part to PGE CER9.0P5. (Keyes)</li> <li>• SCCR 940 - Finished adding new shortwave daily mean variable to PGE CER9.0P5. (Keyes)</li> </ul>	

**Table 4. June 12, 2013 - Subsystem Issues and Status**

SS No.	SS Lead	Status	Problems
10.0 (Cont'd)	Nguyen (Keyes)	<ul style="list-style-type: none"> <li>• Continue providing validation support for the daily netCDF output files. (Keyes)</li> <li>• Looking into the cause for some possible missing data in the daily netCDF output. (Keyes)</li> <li>• Supported cleaning GOES-13 McIDAS images for May 2013. (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 969 - Delta delivery. To provide 2013 Terra and Aqua xtrkHourly ancillary text files. These files are needed for processing last hour of December 2012 and 2013 months' production process. (Raju)</li> <li>• As per TISA science request added unfiltered WN radiance in the SFC record. Corrections were made to Liq/Ice cloud processing code to use Liq/Ice cloud amount weighing factor in the calculation. Data access routines were modified and created a localcereslib for TISA members. It was decided by the TISA science to have 12 years of SFCB inputs, but due to disk space constraints, one year of data at a time will be generated at the SCF. Processed year 2010 Terra data and provided SFCB files. (Raju)</li> </ul>	
11.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> <li>• Work continued on PGE CER11.1P10 Edition3 and Edition4 PCF scripts. Tested Edition4 scripts successfully and implemented in the GGEO procedure. (Thomas Grepiotis, Raju)</li> <li>• Work initiated to modify Edition3 CER11.4P1 PGE code to create CERES versus GEO match files for SW/LW model procedure. (Wrenn, Raju)</li> <li>• Checked April 2013 MTSAT, MET7 ir vis images to eliminate bad scans. (Wrenn)</li> <li>• Checked April 2013 MET10 ir, vis images to eliminate bad scans. (Raju)</li> <li>• Water vapor temperature to radiance conversion routines were implemented in 3-channel GGEO code to process MCIDAS MET7 3-channel inputs. Tested one day of data and found no problems. (Raju)</li> <li>• 01/2010 GOE12 NetCdf files were received from cloud group and processed through Edition4 PGE CER11.1P10. (Raju)</li> </ul>	

**Table 4. June 12, 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>As per the ASDC request, worked on a program and PCF script to create *.met files for Edition4 NetCDF GEO files. Created 01/2010 day one *.met files for their testing. (Raju)</li></ul>	

**Table 5. June 12, 2013 – DM Tasks**

Activity	Status
Production Processing Database/ Automation (Coleman)	<ul style="list-style-type: none"> <li>• Delivered SCCR 962. (Grune)</li> <li>• Prepared test cases for SCCR 962. (Coleman, Heckert)</li> </ul>
CERES Websites (Kizer)	<ul style="list-style-type: none"> <li>• Composed and submitted a news letter article on the CERES Science Team meeting for the July - August issue of <i>The Earth Observer</i>. (Kizer)</li> <li>• Continued with preparing to switch apache rules for handling <i>lposun</i> URL redirects. Discussions with Loyall continue with best strategies. (Kizer)</li> <li>• Modified CERES pages to accommodate the newly available EBAF Edition2.7 products. (Kizer)</li> <li>• Continued to find and correct pages with old links under earth-www Websites. (Kizer)</li> </ul>
CERES Ordering Tool (Chu/ Mitrescu)	<ul style="list-style-type: none"> <li>• Working on upcoming new release 2.4.1 for the public production. (Chu)</li> <li>• Working on the browse tool for GGEO product. (Chu)</li> <li>• Changed log4j configuration such that the order tool has its own log files on subset8. (Chu)</li> <li>• Worked with the ASDC to figure out why some SSFLevel2 orders get stuck on sciflo side and proposed how to fix the problems. The changes have been tested. We are waiting for the ASDC to promote this fix to the production. (Chu)</li> <li>• Make available the SYN GEOS-4.0 - GEOS-5.2 difference to the internal site. (Mitrescu)</li> <li>• Prepare for the next release (v.2.4.1) of EBAF-TOA and EBAF-Surface Ed 2.7 to the production. (Mitrescu)</li> <li>• Continue testing large SYN orders for parallel and/or multi-processing. (Mitrescu)</li> <li>• Continue working on enhancing the flexibility of the OT for the internal site. (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	N	C++ RDR Pre-Processor
	CER1.1P8	N	N/A	Y	16	Y	16	Y	N	C++ NPP, Terra, Aqua
	CER1.2P1	N	N/A	Y	16	Y	16	Y	N	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	N	
	CER1.4P2	N	N/A	Y	16	Y	16	Y	N	
CER1.4P3	N	N/A	Y/SSIT	18	Y/SSIT	18	Y	N	Updates needed for Edition4 Processing	
ERBE-like - 2	CER2.1P1	Y	16	Y	16	Y	16	Y	N	
	CER2.2P1	Y	15	Y	Y	Y	16	Y	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Y	16	Y	16	Y	16	Y	N	
	CER2.3P2	Y	16	Y	16	Y	16	Y	N	
	CER2.4P1	Y	16	Y	16	N	N/A	Y	N	
ERBE-like - 3	CER3.1P1	Y	16	Y	16	Y	16	Y	N	
	CER3.2P1	Y	16	Y	16	Y	16	Y	N	
Clouds 4.1-4	CER4.1-4.0P2	Y	15	Y	18	N	N/A	Y	N	
	CER4.1-4.0P3	N	N/A	Y	18	N	N/A	Y	N	
	CER4.1-4.1P4	Y	16	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.1P5	Y	16	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.1P6	N	N/A	Y	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	N	N	NPP-VIIRS
	CER4.1-4.2P2	Y	15	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.2P3	Y	15	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.2P4	N	N/A	Y	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P5	N	N/A	Y	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	N	N	NPP-VIIRS
	CER4.1-4.2P7	N	N/A	Devel	18	N	N/A	N	N	NPP-VIIRS
	CER4.1-4.3P2	Y	15	SSIT	18	N	N/A	SSIT	N	Ed2, Edition1-CV
	CER4.1-4.3P3	N	N/A	Y	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	N	N	NPP-VIIRS

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
Inversion/SOF A 4.5-6	CER4.5-6.1P2	Y	16	Y	18	Y	18	Y	N	Ed2 Terra Main
	CER4.5-6.1P3	Y	16	Y	18	Y	18	Y	N	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	N	N	NPP-VIIRS
	CER4.5-6.2P2	Y	16	Y	18	Y	18	Y	N	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	N	Ed3 daily post-processor
	CER4.5-6.4P1	Y	16	Y	18	Y	18	Y	N	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	N	IES-SSF Terra New PGE, Ed2 format
CER4.5-6.5P5	Y	16	Y	18	Y	18	Y	N	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	N	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	N	N	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	N	New PGE for Edition3
SARB - 7.2	CER7.2.1P1	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 <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	N	Migrate to AMI for Ed3
TISA Grid - 9	CER9.0P1	Y	15	Y	18	Y	18	Y	N	Ed2 only
	CER9.0P2	N	N/A	Y	16	Y	18	Y	N	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N/A	Y	16	Y	18	Y	N	ISCCP-D2like-MRG Main-processor
	CER9.0P4	N	N/A	Devel	18	N	N/A	Devel	N	
	CER9.0P5	N	N/A	Devel	18	N	N/A	Devel	N	
	CER9.1P1	Y	15	Y	18	N	N/A	Y	N	
	CER9.2P2	Y	16	Y	18	N	N/A	Y	N	PGE for Edition3
	CER9.2P3	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
	CER9.3P2	Y	16	Y	18	N	N/A	Y	N	PGE for Edition3
	CER9.3P3	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
	CER9.4P2	Y	16	Y	18	N	N/A	Y	N	PGE for Edition3
CER9.4P3	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4	
TISA Avg - 10	CER10.0P3	Y	16	Y	16	N	N/A	Y	N	PGE for Edition3
	CER10.0P4	N	N/A	SSI&T	18	SSI&T	18	SSI&T	N	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	N	
Regrid MOA - 12	CER12.1P1	Y	16	Y	16	Y	16	Y	N	Edition 2/3
	CER12.1P2	N	N/A	Y	16	Y	16	Y	N	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	SGL	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 4.5-6.1P6	New PGEs added to list
	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 "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	
5/15/2013	4.-14.1P6, 2P4, 2P5, 3P3	Changed P6 status to "Y"
	9.0P2,3	Changed X86 status from "N" to "Y" and X86 tk version from "N/A" to "18"
5/29/2013	No updates	
6/12/2013	4.1-4.1P4,5, 2P2, 2P3, 3P2	Changed P6 and New Wrapper status from "Devel" to "SSIT"