

April 17, 2013 - System Issues and Status
Table 1: Process Strategy/Coleman as of 04/17/13
Active Requests in order of priority as of 04/15/13

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
The PRs that follow are the Standing PRs						
M 3-12 SCCR 918		NSIDC-CLASS	EICE ESNOW	4.1-4.0P2	Standing Request	*** NEW
M 1-13 SCCR 943		NSIDC-AFWA-Mesh16th	ESNOW EICE	4.1-4.0P3	Standing Request	*** NEW
M 2-12 SCCR 867		NSIDC	SNOW (ERBE-like Edition1-CV)	2.1P1	Standing Request	
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	Upcoming Replacements: NPP 84-13 NPP 88-13 NPP 91-13
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	Upcoming Replacements: NPP 92-13 NPP 93-13 NPP 94-13 NPP 95-13 NPP 97-13 NPP 159-13 NPP 160-13 NPP 161-13

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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	
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	Upcoming Replacements: AM 81-13 AM 85-13 AM 89-13 PM 82-13 PM 86-13 PM 87-13 PM 90-13 PM 83-13
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	Upcoming Replacements: 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 1-11 to 6-11, 6-12 PM 1-11 to 6-11, PM 26-12, PM 1-12 to 7-12	Terra Aqua (FM3, FM4)	Edition1-CV	SSF Clouds and Inversion	4.1 4.1P4/5 4.1 4.2P2/3 4.1 4.3P2 4.5 6.1P2/3 4.5 6.2P2 4.5 6.4P1	Standing Request	***** 1/09/13 Soon to be replaced by new PRs to use the snow and ice produced by PRs M 3-12 and M 1-13

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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	*** NEW – 3/19/13
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	*** NEW – 3/19/13
M 3-11 SCCR 920	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	
M 2-11 M 2-12 SCCR 753 SCCR 914	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	***** 1/23/13 PR M 2-12 replaced M 2-11
M 1-12	CERES	GMAO-G541-Ed4	MOA	12.1P2	Standing request	PR specifies dates thru 3/1/13
M 205-13	CERES	GMAO-G541-Ed4	MOA	12.1P2	Standing request 3/2/13 thru 4/1/15	***** New
The PRs that follow are the Non-Standing PRs that can be processed						
206-13 thru 209-13 SCCRs 947, 814	Terra	ValR2-Beta2Ed4	SSFi, SSF	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3 4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	07/2002	Pending PR completions and approvals Priority 1

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42-13 to 47-13 SCCR 914	Terra, Aqua	Edition3A	SFC	9.2P2 9.3P2 9.4P2	7/2012 – 9/2012	Ready Priority Level 2
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	In Progress Priority Level 2
189-13 thru 191-13 SCCR 939	FM1	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	10/2012 – 12/2012	Ready Priority Level 2
192-13 thru 194-13 SCCR 939	FM3	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	10/2012 – 12/2012	Ready Priority Level 2
197-13 thru 202-13 SCCR 914	Terra, Aqua	Edition3A	SFC	9.2P2 9.3P2 9.4P2	9/2012 – 11/2012	Ready Priority Level 2
50-13 SCCR 917	Terra	Edition3A	SAH	5.0P2	7/2012 – 9/2012	Pending MATCH input for 9/12 Priority Level 2
51-13 SCCR 917	Aqua	Edition3A	SAH	5.0P2	7/2012 – 9/2012	Pending MATCH input for 9/12 Priority Level 2
195-13 SCCR 917	Terra	Edition3A	SAH	5.0P2	10/2012 – 12/2012	Pending MATCH input Priority Level 2

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196-13 SCCR 917	Aqua	Edition3A	SAH	5.0P2	10/2012 – 12/2012	Pending MATCH input Priority Level 2
4-13, 5-13 SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI TSI	10.0P3 7.3.1P1	12/2011 – 5/2012	In Progress Priority Level 2
48-13, 49-13 SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI TSI	10.0P3 7.3.1P1	6/12 – 8/12	Ready Priority Level 2
203-13, 204-13 SCCR 801	Terra+ Aqua	Edition3A	Pre-TSI	10.0P3	9/2012 – 11/2012	Ready Priority Level 2
104-13, 105-13 SCCR 915	FM1, FM2	Edition3A	ISCCP- D2like- Day/Nit	9.0P1	3/2000 – 9/2012	Ready Priority Level 2
106-13, 107-13 SCCR 915	FM3, FM4	Edition3A	ISCCP- D2like- Day/Nit	9.0P1	7/2002 – 9/2012	Ready Priority Level 2
96-13 SCCR 916		Edition2A	ISCCP- D2like- GEO	11.7P1	3/1/10 – 6/30/12	Ready Priority Level 2
30-13 SCCR 804	Terra+ Aqua	Edition3A	SYNI	7.2.1P1	12/2011 – 5/2012 3/2012	Pending PRDB delivery for SYNI beginning with 4/12 data Priority Level 2
2-13 SCCR 795	Terra+ Aqua	Edition3A	SYN1deg	8.1P1	12/2011 – 5/2012	Pending PRDB delivery for SYNI beginning with 4/12 data Priority Level 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
250-12 to 251-12 SCCR 915		ValR1-P6 ValR1-X86	ISCCP- D2like- Day/Nit	9.0P1	6/2010	Complete
60-13 to 75-13 SCCR 947	Terra, Aqua	ValR2-Beta2- Ed4	SSFi	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	7/2006 1/2007	Complete Priority Level 2
114-13 to 125-13 SCCR 814	FM1 FM2 FM3 FM4	ValR2-Beta2- Ed4	SSF	4.5-6.1P4 4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	7/2006 1/2007	Complete Priority Level 2
39-13 to 41-13 SCCR 939	FM1	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	7/2012 – 9/2012	Complete 4/13/13 Priority Level 2
36-13 to 38-13 SCCR 939	FM3	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	7/2012 – 9/2012	Complete 4/15/13 Priority Level 2
**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-op testing and been promoted to the production environment ****						
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 7/2002- 3/2005	Hold – Pending ValRx 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 7/2002- 3/2005	Hold – Pending ValRx 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	3/2000 – 5/2005 7/2002- 3/2005	Hold – Pending ValRx Priority Level 2

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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	3/2000 – 5/2005 7/2002- 3/2005	Hold – Pending ValRx Priority Level 2
183-13, 185-13 SCCR 934	Terra, Aqua	ValR1-P6	SSF1deg- Day, Month	10.0P4	7/2008 – 10/2008	Hold – Pending Promotion Priority Level 2
184-13, 186-13 SCCR 934	Terra, Aqua	ValR1-X86	SSF1deg- Day, Month	10.0P4	7/2008 – 10/2008	Hold – Pending Promotion Priority Level 2
187-13 SCCR 934	Terra	Edition3A	SSF1deg- Day, Month	10.0P4	3/2000 – 11/2012	Hold – Pending Promotion Priority Level 2
188-13 SCCR 934	Aqua	Edition3A	SSF1deg- Day, Month	10.0P4	7/2002 – 11/2012	Hold – Pending Promotion Priority Level 2
76-13 to 80-13 SCCR 956	FM1 FM2 FM3 FM4	ValR1956		1.1P8	12/1/12 – 12/31/12	Hold – Pending Delivery
98-13 to 100-13 SCCR 956	FM1 FM2 FM3 FM4	ValR1956- Ed3-P6		1.4P3	5/31/12 – 7/1/12	Hold – Pending Delivery
101-13 to 103-13 SCCR 956	FM1 FM2 FM3 FM4	ValR1956- Ed3-X86		1.4P3	5/31/12 – 7/1/12	Hold – Pending Delivery

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153-13 to 155-13 SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed4-P6		1.4P3	5/31/12 – 7/1/12	Hold – Pending Delivery
156-13 to 158-13 SCCR 956	FM1 FM2 FM3 FM4	ValR1956-Ed4-X86		1.4P3	5/31/12 – 7/1/12	Hold – Pending Delivery

Table 2. April 17, 2013 - 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 SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 3. (Ayers) • SCCR 958 - Released the PR_Database delivery to the ASDC on April 3. (Ayers) • SCCR 958 - Re-released the PR_Database delivery to the ASDC on April 11. (Ayers) • SCCR 913 - Formatted the updated Inversion Operator's Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 938 - Provided updated Synoptic SARB scripts to the ASDC in response to Software Problem Report 211. (Ayers) • Updated the Clouds and TISA Averaging promotion information in the Promoted Directories document, posted the document on the CERES CM Home page, and provided it to the ASDC. (Ayers, Saunders) • SCCR 956 - Formatted the updated Instrument Test Plan, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 956 - Installed PGEs 1.4P3 and 1.1P8 on <i>AMI-P</i>, compiled and tested them on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>, and released the delivery to the ASDC on April 15. (Ayers) • SCCR 947 - Updated the Clouds Operator's Manual in response to Documentation Problem Report 93, posted it on the Web, and provided it to the ASDC. (Saunders)
<i>AMI</i> Job Submission Scripts (AJSS)	Ayers (Hillyer)	<ul style="list-style-type: none"> • Assisting subsystems with the job submission scripts for upcoming deliveries as necessary. (Grepitotis)

Table 3. SCCR Activity April 3 at 11:00 a.m. – April 16 at 4:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
958			X			PR_Database		
962			X			PR_Database		
963			X			PR_Database		
964	X					Perl_Lib	11	
965	X					CERESlib	12	
966	X					ERBE-like	13	

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

CERES Software Configuration Change Request Submittal

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Subsystem: Perl_Lib SCCR Date & TIME: 2013-04-03 16:02:25 SCCR No.: 964

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Adding support for reverse sequencing individual LIDs in addition to globally in the Toolkit::PCF module.

Reason for Change (non-Science):

Required for PGEs that have both ascending and descending sequence numbers in their PCFs.

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: 4/26/2013

List Affected Subsystems and PGE Names: Clouds

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: CERESlib SCCR Date & TIME: 2013-04-03 16:14:31 SCCR No.: 965

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.

Reason for Change (non-Science):

Required for TISA Gridding code delivery for x86_64 and ppc64.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and Description of Parameter Change:

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem:

N/A

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 4/5/2013

List Affected Subsystems and PGE Names: TISA Gridding

Originator: HILLYER, THOMAS N. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: ERBElIke2.0 SCCR Date & TIME: 2013-04-16 15:59:35 SCCR No.: 966

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

(Req 2-31) Fix the Dec 21/22 Terra X-track mode listings in the last 2 leap year (2012 & 2016) input ancillary files used during Edition3 processing.

Reason for Change (non-Science):

(Req 2-31) During Terra Edition3 CER2.2P1 production, no X-track EID6 files were generated for December 21/22 2012. The reason is that the X-track ancillary input files for the last 2 leap years in the X-track database are copies of the last leap year with known data at delivery time, 2008 (which had zero X-track data for these 2 December days). Therefore, both the 2012 and 2016 Terra X-track database files need to be fixed and redelivered to enable correct processing for these 2 days.

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:

CER2.2P1

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 4/16/2012

List Affected Subsystems and PGE Names: None

Originator: LANDE, JEREMIE (SSAI)

Table 4. April 17, 2013 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Wilkins)	<ul style="list-style-type: none"> Nothing to report. (Hillyer) 	
CERES-lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> SCCR 965 - Added chk_isnan function to range_check module. Also added C Pre-Processor support to Fortran 90 CERESlib code. (Hillyer, Raju) 	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> SCCR 964 - Installed and tested on the SCF. Will deliver alongside with SCCR 919. (Hillyer) 	
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> SCCR 937 – Implementing fixes and adjustments to CATALYST server and Operator’s Console. (Hillyer, Wilkins) Working on CATALYST Build 1.1. (Hillyer, Wilkins) Planning components and development effort estimates for future CATALYST builds. (Hillyer, Wilkins, Gleason) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> SCCR 956 – CERES CM testing completed. An issue with the PCF_Parameter_Map.txt file updates not being delivered caused CER1.4P3 to fail, the missing file was delivered and testing was able to continue without issue. This SCCR requires that the PGEs be tested in the PPE before being promoted. PGE CER1.1P8 must be promoted on the 1st of a month to ensure that all Baseline1-QC files for a month have the same CC-code. (Cooper, Grepitotis, Timcoe) A new set of scripts to allow CERES CM to check that all of the required data files for a run have been created is being developed for each of the Instrument PGEs. This will make it easier to ensure that test cases ran successfully, since command line test cases are no longer being included in the Test Plans. Also, for all future Instrument deliveries, CC-codes for output data products will be set to the delivery date (YYMMDD) to make it easier to distinguish data from one delivery to the next. (Cooper, Grepitotis) 	

Table 4. April 17, 2013 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
1.0 (Cont'd)	Cooper (Grepitotis)	<ul style="list-style-type: none"> • To make it easier for CERES CM to clean-up previous versions of files, Tammy has asked that the runlogs directory contain subdirectories for each PGE. Instrument will update the scripts for each PGE and do a delta delivery of the scripts after SCCR 956 is promoted and the updates to the scripts are completed. This is not a high priority item, so it may be several months before it is completed. (Cooper, Grepitotis) • Mark Timcoe is moving to the Instrument Ops group for at least a year to work on the FM6 simulator. 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR 956 - Continued monitoring review/approval progress of submitted PRs (i.e., remaining Ed1-CV SPRs), and reported on remaining skipped PRs found (i.e., 1.2P1/FM5/Baseline) to SIT (Angel) for review (all eventually approved). Verified that the new Terra/Aqua SPRs use the new BDS CC#, and that current 1.1P8 Baseline production (AM) is always two data days behind calendar date, while Ed1-CV production may begin (Terra) as early as the 3rd (PM) of the month. Discussed likely start data date (June 1st) for these upon 1.1P8 promotion with Denise. (Lande) • SCCR 958 - Wrote three test PRs in PPE to simulate Thomas approval of a twice-edited PR (1.4P3, Ed3), which he did after SCCR updates were applied (then, I also created a 1.2P1 test PR and verified 'EdX' input update to 1.4P3). Reported these Test Cases results to Lisa (also had her add '1.4P3' to 1.2P1 parent PGE list and '4' to 1.4P3 -ed options). Following CM re-release, went over latest list of Actions Items with Carla. (Lande) • Monitored progress of PRs to process Ed3 gain/SRF deliveries (initially, ERBE-like only). Had Lisa cancel test PR 182-13. Due to delay in getting 958 fix promoted, had Denise approve her Ed3 production PRs, but later told by Angel only PR statuses were updated (SS Lead approval back to 'Pending'). As suggested by Liz, had Denise re-approve them (success this time). Worked with Angel to reach 'Ready Final' status, and to fix (via 	

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2.0 (Cont'd)	Walikainen (Lande)	correct BDS CC#) initial 1.4P3 runs (FM1-4, October) in production. (Lande) <ul style="list-style-type: none"> • Provided Instrument Working Group with candidate Aqua Edition4 SRFs. (Walikainen) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Worked on ValR2-Beta2-Ed4 Valdiation. Processed QC results for ValR2, ValR1, and Edition2 for Terra and Aqua for 200607 and 200701. Differences were produced between ValR2 and ValR1 as well as V1aR2 and Edition2. Results were posted on the Web. (R. Brown) • Fixed issue in the VZA and RAZ code interfacing with the Web Security Code. Reprocessed Terra and Aqua Edition2 RAZ and VZA for 2012. (R. Brown) • Corrected a few bugs and made a few requested changes to the CERES PR Tool. First release (primarily Bug fixes) is in PPE testing and another release will be made later with some requested changes. (Heckert) • Working with Pam Mlynczak on the CERES Ordering Tool statistics gathering. Created some scripts to populate required new tables for EMS export. (Heckert) • Working on the CERES Dashboard Tool; made some requested changes. (Heckert) • Created Cloud Top Height from 2006, 2007, and 2009 Terra Ed2 data and 2006, 2008, and 2009 Aqua data for multi sensor analysis. (Chen) • Tested the new features of the Cloud Pixel WebTool. (Chen) • Checked one day of new version (01167) VIIRS data. (Chen) • Continue checking the daily ingest completion of VIMD (03001) and VAOT (03001) data on the /ASDC_archive. (Chen) • Continue working on PGEs CER4.1-4.1P4 and CER4.1-4.1P5 delivery including building/modifying 2-day/monthly scripts, and working/testing Thomas' PCF generators. (Smith) 	

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4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Processed Azores cases. (Smith) • Worked on GEWEX issues when compared with PATMOS and MODIS-ST. (Sun-Mack) • Worked on Azores validations with Dong and Baike. (Sun-Mack) • Worked on VIIRS related issues. (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"> • Added more attributes to the HDF5 version of the SSF. (Antropov) 	
4.5	Sothcott	<ul style="list-style-type: none"> • Updated software and ran multiple months of data offline to support testing of the LW model B upgrades to the SOFA algorithms. (Sothcott) • Organizing software and directories in preparation for starting work on the NPP FM5 Inversion software. (Sothcott) • Currently reviewing and updating the Inversion Operator's Manual to handle issues brought up from the DMT and the ASDC. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • SCCR 938 - Updated SSIT testing scripts in response to Problem Report #211. New environment variables for 8 mesh and 16 mesh ESNOW and EICE maps were missing from existing scripts. 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (Caldwell) 	
7.1	Nguyen (Keyes)	<ul style="list-style-type: none"> • Worked on Edition4 PGE CER10.0P3 to create LW narrowband to broadband conversion coefficients. Added the LW ADM code. Ran test January 2010 for validation. Set up code for Moguo Sun to run this code. (Nguyen) • Working on comparing LW fluxes from the new code and from the Edition3D code. (Nguyen) • Continue working on implementing a shortwave (SW) narrowband (NB) to broadband (BB) model into CER10.0P3. (Wrenn) 	

Table 4. April 17, 2013 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
7.1 (Cont'd)	Nguyen (Keyes)	<ul style="list-style-type: none"> • The GGEO GMT data in the TSI GERB code are not correct. Debugging code the find the causes of the problem. (Nguyen) • The narrowband to broadband SW conversion code requires the ratio and regression data for each satellite. Since there are 18 satellite data files for the ratio and the regression data, high amount of memories are used to store the data. Updated phase 2 code which creates the SW match file data to pick up and read the coefficient files of the only satellites which present in the GGEO data. (Nguyen) 	
8.0	Nguyen (Keyes)	<ul style="list-style-type: none"> • No new updates. (Nguyen) 	
10.0	Nguyen (Keyes)	<ul style="list-style-type: none"> • SCCR 940 - Cleaned up the code by moving the monthly netCDF portion into a subroutine. Output files match the previous ones. Found one parameter out of expected range in both the daily and monthly files. Notified Dave and I'm working to determine if the values come into the code this way or if the problem is in this code. Began getting the daily netCDF code working as part of the PGE instead of being standalone. (Keyes) • Revised PRs for PGEs CER10.0P3, CER10.0P4, and CER7.3.1P1. (Keyes) • Ran June-December 1985 Ed1 NOAA9-ERBE-AVHRR SSF 1deg for Alok. (Nguyen) 	
6.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • No new updates. (Raju) 	
9.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • SCCR 961 - Received approval from Moguo Sun. Preparing for the CERES CM delivery. (Raju) • Processed the rest of the 1985 ERBE NOAA9 data at the SCF and provided requested SFCB/SFC HDF files for TISA Averaging. (Raju) 	
11.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • Code modifications to process Edition4 1-Hourly images was completed. Ran 04/2010 MT9 images through the code and created Edition4 1-Hourly GGEO files. Updated data access routines and sent the modules to Nelson Hillyer to include in the test CERESLIB area. Plot programs were updated to 	

Table 4. April 17, 2013 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
11.0 (Cont'd)	Raju (F. Wrenn)	<p>create plots for Edition4 radiances and cloud variables. Continue to perform product validations. (Raju)</p> <ul style="list-style-type: none"> • Received an IDL program from Moguo Sun that performs linear interpolation based on Doug's Water Vapor radiance table. Created an F90 module based on the IDL program logic to work for MET7 Edition4 process. (Forrest, Raju) • Work continued on code to identify and process water vapor channel clear sky pixels for MET7 Edition4 version. (Raju) 	

Table 5. April 17, 2013 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Prepared and delivered PRDB version 1.1.0 and 1.1.1. (Grune) • Prepared and delivered PR Web version 1.1.0. (Heckert) • Prepared test cases and monitored testing for SCCR 958. (Coleman) • Began preparing PRDB versions 1.2.0 and Web version 1.2.0 to enable CATALYST testing with PRDB. (Grune, Heckert) • Began preparing Web version that will include comment box and other miscellaneous items as necessary. (Heckert) • Began draft of procedures for restoring PRDB in the event of an unexpected down time. (Coleman)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • Modified 192 eosweb links on the CERES Website to incorporate the changes required with the new ASDC Website. Additional links were also modified on the CERES working group sites. (Kizer) • Additional modifications were made to the CERES DM site. A request was made to have the site scanned. (Kizer) • Continue to make additional modifications to the CERES pages to incorporate HTML validation recommendations. (Kizer) • Per request, added the GGEO 1-hourly menus to the Edition4 table on the TISA Website. Additional data was also copied to the Web cluster for viewing. (Kizer) • Removed the links referencing the ISCCP-D2like Beta1 Data Quality Summary. (Kizer) • Per request, preserving the ASDC CERES html pages for reference. (Kizer)
CERES Ordering Tool (Chu/Mitrescu)	<ul style="list-style-type: none"> • Setting up pre-production test environment for new release 2.4. (Chu) • VIIRS data was successfully displayed by Clouds validation tool (test mode). (Chu) • Fixing the bugs for a new release of Clouds Validation Tool. It merges hourly files per day into two images (day/night) on the fly. Since the size of data is large and it is I/O intensive computation, the current performance is not acceptable. Currently we just have one machine. We need more than one computer to speed up the process. (Chu) • Worked with the ASDC to investigate why several bounced messages from ceres-help were forwarded to rt-ticket. (Chu) • Worked with the ASDC to see how the ASDC can update the geospatial DB on the CERES ordering tool automatically or

Table 5. April 17, 2013 – DM Tasks

Activity	Status
CERES Ordering Tool (Chu/ Mitrescu) (Cont'd)	<p>alternatively the tool accesses the ASDC's geospatial DB. Because of the firewall rule restriction, we are not able to access their DB. Instead, the ASDC is installing a fault-tolerant DB server(s) which will host PostgreSQL and MySQL. We may consider moving our DB servers to theirs. (Chu)</p> <ul style="list-style-type: none"> • Work on setting up test environment (subset4&5) for the upcoming release. (Mitrescu) • Work on adding new users for the "getData" function. (Mitrescu) • Test new functions. (Mitrescu) • Regenerate EBAF-TOA (with Diff and Anom) for internal site. (Mitrescu) • Regenerate EBAF-Surface (with Diff) for internal site. (Mitrescu) • Generate sql tables with the new files, variables, dates for the upcoming external release. (Mitrescu)

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	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Instrument - 1	CER1.0P1	N	N/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	
ERBE-like - 3	CER2.4P1	Y	16	Y	16	N	N/A	Y	N	
	CER3.1P1	Y	16	Y	16	Y	16	Y	N	
Clouds 4.1-4	CER3.2P1	Y	16	Y	16	Y	16	Y	N	
	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	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.1P5	Y	16	Devel	18	N	N/A	Devel	N	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	N	N	NPP-VIIRS
	CER4.1-4.2P2	Y	15	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.2P3	Y	15	Devel	18	N	N/A	Devel	N	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	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	Devel	18	N	N/A	Devel	N	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	N	N	NPP-VIIRS

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	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Inversion/SOF A 4.5-6	CER4.5-6.1P2	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 ^{1,2}						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) ⁷	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	N	N/A	Y	N	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N/A	Y	16	N	N/A	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	
Regrid MOA - 12	CER11.7P1	Y	16	Y	18	Y	18	Y	N	
	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:		
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 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 "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