

April 3, 2013 - System Issues and Status
Table 1: Process Strategy/Coleman as of 04/03/13
Active Requests in order of priority as of 04/01/13

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						
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	In Progress 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	In Progress Priority Level 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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	Ready 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	Ready Priority Level 2
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 180-13 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	Ready 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

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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
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

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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
250-12 to 251-12 SCCR 915		ValR1-P6 ValR1-X86	ISCCP- D2like- Day/Nit	9.0P1	6/2010	Complete
**** 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
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

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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
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

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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 3, 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 934 - Formatted the updated TISA Averaging Operator's Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 956 - Formatted the updated Instrument Operator's Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 938 - Formatted the updated Synoptic SARB Operator's Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 947 - Formatted the updated Clouds Operator's Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 937 - Formatted the updated CATALYST Operator's Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 938 – Provided updated Synoptic SARB files to the ASDC on March 21. (Ayers) • SCCR 937 - Re-released the CATALYST Build 1 delivery on March 26 after the memory leak was fixed. (Ayers) • Installed the Edition3 gains for Terra FM1 and FM2 and Aqua FM3 and FM4 for October 2, 2012, through December 31, 2012, on <i>AMI-P</i>, and delivered them to the ASDC on March 27. (Ayers) • Installed the updated Edition3 spectral response function files for Terra FM1 and FM2 and Aqua FM3 and FM4 for October 1, 2012, through December 31, 2012, on <i>AMI-P</i>, and delivered them to the ASDC on March 27. (Ayers) • SCCR 934 - Installed, compiled, and tested PGE CER10.0P4 on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>, and released it to the ASDC on March 28. (Grune, Ayers) • SCCR 956 – In CM queue. (Ayers)
<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 March 19 at 10:00 a.m. – April 3 at 11:00 a.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
938		X	X			Synoptic SARB	11	
947				X		Clouds		
956			X			Instrument		
958		X				PR_Database	12	
959			X			Inversion		
960			X			Clouds		
961			X			TISA Gridding		
962	X					PR_Database	14	
963	X					PR_Database	15	

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

CERES Software Configuration Change Request Submittal

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Subsystem: SynSARB

SCCR Date: 11/15/2012

SCCR Number: 938

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ADDITIONAL CHANGES TO SCCR NO. 938:

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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):

(Req# 7.2-1.33)

Renaming environment variables PS4_0 and CC4_0P1 to PS4_0_8 and CC4_0P1_8 respectively. Adding new variables PS4_0_16 and CC4_0P1_16. Updating env and PCF scripts to reflect these changes.

Reason for Change (non-Science):

(Req# 7.2-1.33)

Synoptic SARB uses the 1/8 grid ESNOW and EICE maps as default. A day of those maps was missing in production. This requires the use of the 1/16 maps for that day. The changes in variables are to differentiate the maps so that the PCF will substitute the 1/16 maps for any missing 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: CER7.2.1P1

Estimated Time to Complete Change: 2 days

Planned Delivery Date: March 25, 2013

List Affected Subsystems and PGE Names: Synoptic SARB

Date & Time: 2013-03-21 11:51:14

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: PR_Database

SCCR Date: 03/08/2013

SCCR Number: 958

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ADDITIONAL CHANGES TO SCCR NO. 958:

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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):

1. Modify info for PGE 7.2.1P1 ESNOW input product to include sections for both the 1/8th and the 1/16th ESNOW products
2. Set CATALYST PGE flags to false for all PGEs.
3. Convert checkboxes displayed on Operator submittal page for "Standing PR", "Previously Submitted", and "Catalyst Enabled" from interactive checkboxes to display checkboxes only.
4. Modify displayed description for PGE 4.1-4.2P3 to indicate MODIS Collection 5
5. Change string inside descriptions displayed for the instrument gains and offsets external input products for PGEs 1.4P3 from "Ed3" to "EdX"
6. Increase character length for PR rejection reason to 500.
7. Updated email distribution
8. Updated email tool to indicate when a PR is new vs. modified
9. Correct bug encountered when a subsystem member instead of a subsystem lead approves a PR.
10. Only include the names of those with PR generation roles in the drop down menu for this criteria on the search page.
11. Eliminate capability to manually enter beginning and ending processing dates when creating a PR

Reason for Change (non-Science):

1. Need to include ability to read 1/16th mesh snow when 1/8th mesh is not available
2. Until CATALYST is in production for a PGE, that PGE's CATALYST flag needs to be false. A separate delivery for a PGE will set the flag to true when the time is appropriate.
3. Eliminate confusion. The data in PRDB are not changed by checking these boxes anyway.
4. Current display indicating Collection 4 is incorrect
5. Processing with Edition 4 gains and offsets is imminent.
6. Need more length
7. Requested by recipients
8. Requested for clarity

- 9. Correction
- 10. Eliminate confusion
- 11. Eliminate confusion.

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 week

Planned Delivery Date: 4/3/13

List Affected Subsystems and PGE Names: n/a

Date & Time: 2013-04-03 10:30:19

Originator: COLEMAN, LISA H. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: PR_Database SCCR Date & TIME: 2013-04-03 10:47:45 SCCR No.: 962

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

1. Include new additional environment variables for identifying the ECS start up maps to copy prior to beginning processing of a Clouds PR
2. Set CATALYST flag to "True" for Clouds Edition4 PGEs

Reason for Change (non-Science):

1. These values will be used by CATALYST
2. Necessary for employing CATALYST for a PGE

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: 3 days

Planned Delivery Date: 4/8/13

List Affected Subsystems and PGE Names: n/a

Originator: COLEMAN, LISA H. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: PR_Database SCCR Date & TIME: 2013-04-03 10:51:11 SCCR No.: 963

Parameter Change: () YES (X) NO

Description of Change (Science):

n/a

Reason for Change (Science):

n/a

Description of Change (non-Science):

Include a comment box in the PR display that is editable by Ops.

Reason for Change (non-Science):

Needed, especially for indicating when a granule within the date range of a PR cannot be processed.

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: 2 days

Planned Delivery Date: 4/9/13

List Affected Subsystems and PGE Names: N/A

Originator: COLEMAN, LISA H. (SSAI)

Table 4. April 3, 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"> Nothing to report. (Hillyer) 	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> Adding support for reverse sequencing individual LIDs in addition to globally in the PCF. (Hillyer) 	
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> CATALYST Test Readiness Review held on March 22. (Hillyer, Wilkins) SCCR 937 - Delivered updated CATALYST installer and documentation. (Hillyer, Wilkins) SCCR 937 - Tested and released updated CATALYST installer and documentation. (Ayers, Saunders) SCCR 937 - Implementing fixes for clear-sky startup code for CER4.1-4.1P6 PGE Handler. (Hillyer) Starting work on CATALYST Build 1.2. (Hillyer, Wilkins) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> SCCR 956 - Delivered to CERES CM. It is important to remember that this delivery's ValRx's must be run in the PPE and not in the actual production environment, since these PGEs exist now and CER1.1P8 is run on a daily basis for Baseline1-QC. It should also be noted that CER1.1P8 should be promoted on the 1st of a month and not in the middle of a month to ensure that the CC-code for a month remains consistent for ERBE-like follow-on processing. If this is promoted before the beginning of the month, all previous data within that month will need to be reprocessed. (Cooper, Grepitotis, Timcoe) The Edition3 gains for FM1 thru FM4 were delivered to CERES CM thru December 31, 2012. (Snyder) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> SCCR 956 - Continued monitoring review/approval progress of submitted PRs (i.e., 1.4P3 Ed3 ValRs), and reported on skipped PRs found to SIT (Angel) for review. Created Aqua/Terra Ed1-CV SPRs with new CC value for BDSs (used by 1.1P8/1.2P1/1.4P1), updated last CC digit (Lisa) in initial FM5 Ed1-CV downstream SPRs (1.2/2.2, 1.4P1/2), and 	

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2.0 (Cont'd)	Walikainen (Lande)	<p>created remaining SPRs (2.3/3.1) as so. The last of these required a database update (Inst=FM5) by Lisa. Discussed giving Ops flexible SPR start dates with Lisa ('Ready-Final' status) and Carla: will require quickly updating all Baseline and T/A Ed1-CV PRs. Created 1.4P3 Ed4 ValRs (<i>P6/x86</i>, T/A), then revised Special Instructions section for each since only Ed3 gains listed as PGE inputs (Denise). (Lande)</p> <ul style="list-style-type: none"> • Created all SS1.0/2.0/3.0 PRs to process Ed3 gain/SRF deliveries (notified Lisa to update 1.2P1's parent PGE listing, 877 version). Later found out gains stopped on Dec31 instead of Jan01, so updated Instr PRs. Later told 1.4P3 PRs start date also wrong (verified 1.2P1 unaffected since CC1_2 constant) so updated those again, but no emails sent and unable to get status update from 'Pending SS Review' (Thomas). Worked on problem with Carla/Lisa/Liz, and notified Jonathan/Angel. (Lande) • Submitted RT ticket #28030 with errors preventing access to ERBE-like validation Web page (fixed by Ben Loyall with Ed Kizer input). Verified fixes. Went over <i>x86</i> F90 code updates (SCCR 867) with Raja, and provided Jonathan with listings/details/instructions on files/dirs needed to generate ES8s (for JPSS program). (Lande) • Delivered Terra and Aqua Edition3 Spectral Response Functions for October, November, and December 2012. (Walikainen) • Provided best-guess 2/17/13 FM3 Edition3 ES8s for radiance comparisons with Edition1-CV FM5: the 11-scan nadir dwell experiment sampled the clear snow of Antarctica's Wilkes Land with a three-minute NPP to Aqua time difference. (Walikainen) • Provided Instrument Working Group with candidate Aqua Edition4 SCCs. (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"> • Created monthly difference maps between Predicted and Observed clear-sky reflectances with snowfree and snowcover scenes to assess the clear sky 	

Table 4. April 3, 2013 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<p>overhead snowfree and snowcover albedomaps. Statistics of the differences are also calculated. (Chen)</p> <ul style="list-style-type: none"> • Wrote a code and perl scripts to generate cloud retrievals results and plots for certain sites on the world by processing CloudVis data. (Chen) • Started working on the Clouds Code processing for the x86 machine. (Chen) • Checked one day of new version (01167) VIIRS data. (Chen) • Testing and debugging clouds PGEs CER4.1-4.1P4, CER4.1-4.1P5, CER4.1-4.2P2, CER4.1-4.2P3, CER4.1-4.3P2 on AMI, migrated from <i>magneto</i>, with new PCF generator. (Smith) • Reran all AZORES granules with new clouds PGE CER4.1-4.1P6 code. (Smith) • Created ValR2-Beta2Ed4 and Beta2-Ed4 PRs for clouds PGEs CER4.1-4.1P6, CER4.1-4.2P4, CER4.1-4.2P5, and CER4.1-4.3P3. (Smith) • Updating clouds validation scripts to compare developed data with DPO data in the /ASDC_archive/CERES. (Smith) • ClearSky Results were processed for Beta1-Ed4 for Terra from 200404 through 200505 and for Aqua from 200501 through 200505. Results were posted on the Web. (R. Brown) • Began working on processing ClearSky results for Edition 2 for Terra from 201206 through 201212. (R. Brown) • Processed QC Annual Difference files between Edition 4 and Edition 2 for Terra (2001, 2002, 2003, and 2004) and Aqua (2003 and 2004). QC global images and statistics were produced and posted on the Web. (R. Brown) • Working on processing QC seasonal differences between Edition 4 and Edition 2 for Terra (2001-2005) and Aqua (2002-2005). (R. Brown) • Continuing bug fixes for CERES PR Tool, now in production. Preparing to do at least two releases to 	

Table 4. April 3, 2013 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<p>fix minor bugs and add some small requested changes. (Heckert)</p> <ul style="list-style-type: none"> • Working with Pam Mlynczak on CERES Ordering Tool statistics. Loaded backlog of SSF data provided from SciFlow into our database. Working on providing statistics to EMS in requested format. (Heckert) • Many PRs to check and to reject/approve. (Sun-Mack) • Worked with Gang on creating correlated k coefficients. (Sun-Mack) • Worked with all members of the group on their tasks. (Sun-Mack) • Worked on merging VIIRS and MODIS, and therefore VIIRS and MODIS channel intercomaprison to determine the optima Imagery or Moderate channels to use in CERES-VIIRS Ed1. (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"> • Implemented <i>AMI</i> Exit Code in Aqua and Terra Edition1-CV convolution code. (Miller) • Reviewed a description of snow and ice on the SSF. (Miller) • Verified public data products availability through the ASDC ordering tool. (Miller) • Added more attributes to the HDF5 version of the SSF. (Antropov) 	
4.5	Sothcott	<ul style="list-style-type: none"> • Updated the LW model B algorithm to use the CWG cloud base temperature and ran four seasonal months for review by the SOFA working group. (Sothcott) • Updated the near surface temperature constraint algorithm to use the CWG skin temperature where it is available and ran four season months for review by the SOFA working group. (Sothcott) • Wrote software to convert the TRMM SSF subsets to CERES SSF Edition4 subsets for use by the ADM working group. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	

Table 4. April 3, 2013 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Working with the ASDC to set up MATCH data file ftp from Dave Fillmore. 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> SCCR 938 - Delivered Synoptic SARB updates and assisting in updating PR database as needed. 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> No new updates. (Caldwell) 	
7.1	Nguyen (Keyes)	<ul style="list-style-type: none"> Working on Edition4 PGE CER10.0P3 to create LW narrowband to broadband conversion coefficients. (Nguyen) Continue working on implementing a shortwave (SW) narrowband (NB) to broadband (BB) model into CER10.0P3. (Wrenn) 	
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 - Plotting package developed to inspect the contents of the daily netCDF files. Plotting package developed to examine differences between monthly FluxByCloudTyp 42-cloud-type average and the SSF1deg monthly values. Not all parameters compare favorably. Working with customer to address issues found. (Keyes) Ran v09 Terra EBAF from March 2000 through December 2012. (Nguyen) SCCR 934 - Provided support for testing. Deliver compared tested outputs and expected output code. (Nguyen) Ran 8 months of Ed1 NOAA9-ERBE-AVHRR SSF 1deg for Alok. (Nguyen) Ran November and December 2012 Terra and Aqua SSF and SYN Lites. (Nguyen) Updated the Lite code to correct the averaged 0.55 mm aerosol. (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 - Assisting Moguo Sun in his ISCCP-D2like-Mrg data validations. Preparing documents and the test procedures for upcoming software delivery. (Raju) 	

Table 4. April 3, 2013 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0 (Cont'd)	Raju (F. Wrenn)	<ul style="list-style-type: none"> • Processed 1985, 1986 ERBE NOAA9 data at the SCF and provided requested SFCB/SFC HDF files. (Raju) 	
11.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • Checked January/February MTS2 MCIDAS images for bad scans. Updated Phast program to accommodate MET10 image cleaning. (Wrenn) • Checked January/February MET10 MCIDAS images for bad scans. (Raju) • Started working on the 1-Hourly GEO processing code and the scripts for Edition4 version. Made few test runs for process validations. (Raju) • Work continued on code to identify and process water vapor channel clear sky pixels for MET7 Edition4 version. (Raju) 	

Table 5. April 3, 2013 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Preparing update delivery of Web software, version WB 1.1.0, with emails updates for at least the DMT Lead, and other minor corrections. (Heckert) • Preparing update delivery of PRDB to accommodate additional environment variables for Clouds start up map and Synoptic SARB's choice addition of using the 16th mesh snow map when the 1/8th is not available. (Grune) • Writing lots of PRs. (Coleman, Lande) • Discussing upcoming capabilities. (Coleman, Grune, Heckert, Key)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • The ERBEWEB pages were promoted to LaRC view on the public site. URL earth.larc.nasa.gov/erbeweb now points to the Web cluster. (Kizer) • Made additional modification to the CERES DM site. A request was made to have the site scanned. (Kizer) • The CERES Science Team Meeting agenda page for the May 7-9 meeting was created and made available. (Kizer) • Additional modifications were made to CERES pages to incorporate HTML validation recommendations. (Kizer) • The CONVOL site is on hold until read software can be found to be reengineered for the new platform. (Kizer)
CERES Ordering Tool (Chu/Mitrescu)	<ul style="list-style-type: none"> • Python and c-subsetter were updated to accommodate 3Hourly Monthly data. (Mitrescu) • Bug fix with SaveASCII/PNG when user uses animation/arrows. (Mitrescu) • Modify Statistics with the required EMS fields. (Mitrescu) • Several promotion of SSF/SYN Lite, and EBAF on internal site. (Mitrescu) • Prepare for upcoming release (DB, files, Security files, etc). (Mitrescu) • Work on hdf-netCDF subsetting. (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	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Instrument - 1	CER1.0P1	N	N	N/A	N	N/A	N	N/A	n/a	n/a	Will comply with all the latest whenever delivered
	CER1.0P2	N	N	N/A	Y	16	Y	16	Y	N	C++ RDR Pre-Processor
	CER1.1P8	N	N	N/A	Y	16	Y	16	Y	N	C++ NPP, Terra, Aqua
	CER1.2P1	N	N	N/A	Y	16	Y	16	Y	N	C code, NPP capable.
	CER1.3P3	N	N	N/A	N	N/A	Y	16	Y	n/a	Replace with CER1.4P3 on P6
	CER1.4P1	N	N	N/A	Y	16	Y	16	Y	N	
	CER1.4P2	N	N	N/A	Y	16	Y	16	Y	N	
CER1.4P3	N	N	N/A	Y/Devel	18	Y/Devel	18	Y	N	Updates needed for Edition4 Processing	
ERBE-like - 2	CER2.1P1	N	Y	16	Y	16	Y	16	Y	N	
	CER2.2P1	N	Y	15	Y	Y	Y	16	Y	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	N	Y	16	Y	16	Y	16	Y	N	
	CER2.3P2	N	Y	16	Y	16	Y	16	Y	N	
ERBE-like - 3	CER2.4P1	N	Y	16	Y	16	N	N/A	Y	N	
	CER3.1P1	N	Y	16	Y	16	Y	16	Y	N	
Clouds 4.1-4	CER3.2P1	N	Y	16	Y	16	Y	16	Y	N	
	CER4.1-4.0P2	N	Y	15	Y	18	N	N/A	Y	N	
	CER4.1-4.0P3	N	N	N/A	Y	18	N	N/A	Y	N	
	CER4.1-4.1P4	N	Y	16	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.1P5	N	Y	16	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.1P6	N	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	N/A	Devel	18	N	N/A	N	N	NPP-VIIRS
	CER4.1-4.2P2	N	Y	15	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.2P3	N	Y	15	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.2P4	N	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	N/A	Y	18	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P6	N	N	N/A	Devel	18	N	N/A	N	N	NPP-VIIRS
	CER4.1-4.2P7	N	N	N/A	Devel	18	N	N/A	N	N	NPP-VIIRS
	CER4.1-4.3P2	N	Y	15	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.3P3	N	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	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	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Inversion/SOF A 4.5-6	CER4.5-6.1P2	N	Y	16	Y	18	Y	18	Y	N	Ed2 Terra Main
	CER4.5-6.1P3	N	Y	16	Y	18	Y	18	Y	N	Ed2 Aqua Main
	CER4.5-6.1P4	N	N	N/A	Y	16	N	N/A	Y	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	N	N/A	Y	16	N	N/A	Y	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.1P6	N	Y	16	Y	18	Y	18	N	N	NPP-VIIRS
	CER4.5-6.2P2	N	Y	16	Y	18	Y	18	Y	N	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	N	N/A	Y	16	N	N/A	Y	Devel	Subset postproc for Terra and Aqua (Ed4 version of 2P2)
	CER4.5-6.2P4	N	Y	16	Y	18	Y	18	Y	N	Ed3 daily post-processor
	CER4.5-6.4P1	N	Y	16	Y	18	Y	18	Y	N	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	N	N/A	Y	16	N	N/A	Y	Devel	Monthly validation site (Ed4 for 4P1)
CER4.5-6.5P4	N	Y	16	Y	18	Y	18	Y	N	IES-SSF Terra New PGE, Ed2 format	
CER4.5-6.5P5	N	Y	16	Y	18	Y	18	Y	N	IES-SSF Aqua New PGE, Ed2 format	
SARB - 5	CER5.0P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.0P2	N	Y	15	Y	18	Y	18	Y	N	Ed2/Ed3
	CER5.1P1	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.1P2	N	ValRx	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.1P3	N	N	N/A	Devel	16	Devel	16	N	N	New PGE - Edition4 Main for Terra and Aqua
	CER5.4P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.4P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
TISA Grid - 6	CER6.1P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.2P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.3P1	N	Y	15	N	N/A	N	N	n/a	n/a	Ed2 only
TISA Avg - 7.1	CER7.3.1P1	N	Y	16	Y	16	N	N/A	Y	N	New PGE for Edition3
SARB - 7.2	CER7.2.1P1	N	Y	16	N	N/A	Y	16	Y	N	P4 only Ed2 for now, X86 for Ed2 and Ed3

Table 1: PGE Current Events Status Table

Subsystem ID	PGE ID	Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)		Comments
		SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	
TISA Avg - 8	CER8.1P1	N	Y	15	Y	16	N	N/A	Y	N	Migrate to AMI for Ed3
TISA Grid - 9	CER9.0P1	N	Y	15	Y	18	Y	18	Y	N	Ed2 only
	CER9.0P2	N	N	N/A	Y	16	N	N/A	Y	N	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N	N/A	Y	16	N	N/A	Y	N	ISCCP-D2like-MRG Main-processor
	CER9.0P4	N	N	N/A	Devel	18	N	N/A	Devel	N	
	CER9.0P5	N	N	N/A	Devel	18	N	N/A	Devel	N	
	CER9.1P1	N	Y	15	Y	18	N	N/A	Y	N	
	CER9.2P2	N	Y	16	Y	18	N	N/A	Y	N	PGE for Edition3
	CER9.2P3	N	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
	CER9.3P2	N	Y	16	Y	18	N	N/A	Y	N	PGE for Edition3
	CER9.3P3	N	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
TISA Avg - 10	CER9.4P2	N	Y	16	Y	18	N	N/A	Y	N	PGE for Edition3
	CER9.4P3	N	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
GGEO - 11	CER10.0P3	N	Y	16	Y	16	N	N/A	Y	N	PGE for Edition3
	CER10.0P4	N	N	N/A	SSI&T	18	SSI&T	18	SSI&T	N	Edition3A, Non-GEO
Regrid MOA - 12	CER11.1P10	N	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.2P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.4P1	N	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.6P1	N	Y	16	N	N/A	N	N/A	n/a	n/a	
Regrid MOA - 12	CER11.7P1	N	Y	16	Y	18	Y	18	Y	N	
	CER12.1P1	N	Y	16	Y	16	Y	16	Y	N	Edition 2/3
	CER12.1P2	N	N	N/A	Y	16	Y	16	Y	N	Edition 4

Table 1 Key:		
¹ Status	Y	Currently able to run in production
	Devel	PGE in development, still to be delivered for the first time to the platform.
	SSI&T	PGE delivered and in SSI&T (CM or SIT) testing prior to operational processing
	ValRx	PGE promoted to production on platform, but still undergoing ValRx testing and approving phase
² Prod. Platform	SGL	warlock
	P4	Magneto - IBM P4
	P6	AMI - IBM P6
	X86	AMI - IBM X86
⁷ "New" Wrapper Scripts for AMI Status	Y	Scripts in production
	n/a	Not needed for this PGE
	N	Development not yet begun
	SSI&T	Delivered and in SSI&T (CM or SIT) testing prior to operational processing
	Devel	Development in progress for inclusion in next delivery

Revisions:		
Date	Affected Section or PGE/Product ID	Revision Made
1/9/2013	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"