

September 5, 2012 - System Issues and Status
Table 1: Process Strategy/Coleman as of 09/05/12
Active Requests in order of priority as of 09/04/12

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
The PRs that follow are the Standing PRs						
PR M 1-09		NSIDC-NESDIS	EICE ESNOW 16 th mesh	4.1-4.0P2	Standing Request	
PR M 2-12 SCCR 867		NSIDC	SNOW (ERBE-like Edition1-CV)	2.1P1	Standing Request	
PRs NPP 11-12, 2-11 thru 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	
PR NPP 12-12, 3-12 thru 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 NPP 14-12 thru 17-12 SCCR 867	NPP	Edition1-CV	ERBElite	2.2P1 2.3P1, 2 3.1P1	Standing Request	
PRs AM 8-11 thru 10-11, AM 1-12 PM 8-11 thru10- 11, 1-12 thru 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	

**Table 1: Process Strategy/Coleman as of 09/05/12
Active Requests in order of priority as of 09/04/12**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs AM 12-11 thru 15-11, AM 2-12 thru AM 5-12 PM 12-11 thru - 15-11, 17-12 thru 20-12, 22-12 thru 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	
AM 1-11 to 7-11 PM 1-11 to 7-11 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	
PR M 3-11 SCCR 920	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	
PR M 2-11 SCCR 753	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	
M 1-12	CERES	GMAO-G541-Ed4	MOA	12.1P2	Standing request	
The PRs that follow are the Non-Standing PRs that can be processed						
PRs 145-12 thru 148-12	FM1 FM3	ValR27_X86 b	ERBE-like	2.2P1 2.3P1, 2 3.1P1 3.2P1	02/2011	Ready Priority Level 1
PRs 139-11 thru 142-11 SCCR 809	FM1, FM2	Beta1-Ed4	SSFI	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	2/29/2000 – 6/1/2005	In Progress Priority Level 2

**Table 1: Process Strategy/Coleman as of 09/05/12
Active Requests in order of priority as of 09/04/12**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 143-11 thru 146-11 SCCR 809	FM3, FM4	Beta1-Ed4	SSFI	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	6/30/2002 – 3/30/2005	Ready Priority Level 2
PRs 104-12 thru 106-12 SCCR 814	FM1, FM2	Beta1-Ed4	SSF	4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	2/29/2000 – 6/1/2005	Ready Priority Level 2
PRs 101-12 thru 103-12 SCCR 814	FM3, FM4	Beta1-Ed4	SSF	4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	6/30/2002 – 3/30/2005	Ready Priority Level 2
PRs 50-12 thru 52-12	Terra- Aqua	Edition2A	ISCCP- D2like- Mrg	9.0P2 9.0P3	7/02 – 6/10	In Progress Priority Level 3
PR 137-09 SCCR 746	FM1, FM2	Edition2A	ISCCP- D2like- Day/Nit	9.0P1	Launch thru 10/02	In Progress Priority Level 3
PRs 46-12, 47-12 SCCR 746	FM3, FM4	Edition2A	ISCCP- D2like- Day/Nit	9.0P1	Launch thru 10/02	Ready. Priority Level 3
PR 46-09	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P1	12/1/07 - 6/30/10	Ready. Process 1 st month and wait for SS checkout Priority Level 3
PR 45-09 SCCR 685	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	12/1/07 - 6/30/10	Ready. Priority Level 3
PR 144-12 SCCR 867	Terra+ Aqua	Edition3	ES4, ES9	3.2P1	11/2011	Complete. 8/22/12
**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed ValRx Evaluation ****						
**** 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 ****						

**Table 1: Process Strategy/Coleman as of 09/05/12
Active Requests in order of priority as of 09/04/12**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 140-12, 141-12 SCCR 917	FM1, FM3	ValR1-P6	SAH	5.0P2	12/2011	HOLD –PreProd- Pending Promotion Priority Level 3
PR 142-12, 143-12 SCCR 917	FM1, FM3	ValR1-X86	SAH	5.0P2	12/2011	HOLD –PreProd- Pending Promotion Priority Level 3

Table 2. September 5, 2012 - System Issues and Status

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> • Nothing to report. (Miller)
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> • See Table 3 for the current CERES Subsystem Delivery Schedule and Table 4 for the current CERES Coefficients Delivery Schedule. (Ayers) • See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers) • SCCR 911 - Installed, compiled, and tested PGE CER1.0P2 on <i>AMI-P-P6</i> and <i>AMI-P-x86</i> and released to the ASDC on August 24. (Ayers) • Provided the updated Promoted Directories document to SIT. Information for Instantaneous SARB and Perl_Lib was updated. (Ayers) • Provided updated SYN1deg Data Products Catalogs to the ASDC. (Ayers) • SCCR 801 - Formatted the updated TISA Averaging Operator's Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 924 - Formatted the updated Clouds Operator's Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 911 - Formatted the updated Instrument Test Plan, 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"> • Continued working on the job submission scripts for upcoming deliveries. (Grepotis, Hillyer)

Table 3. CERES Subsystem Delivery Schedule – September 2012

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
Instantaneous SARB (SCCR 917)	July 27	August 10 In CM Queue	August 17	Migrate PGE CER5.0P2 to <i>AMI-P</i> .			<i>AMI-P6 & AMI-x86</i>
CERESlib (SCCR 925)	July 30	August 13 In CM Queue	August 20	Updates resulting from recent system updates.			<i>AMI-P6 & AMI-x86</i>
Clouds (SCCR 924)	August 3	August 17 In CM Queue	August 24	Updated superscripts to run PGEs CER4.1-4.1P6 and CER4.1-4.2P5 as requested by the ASDC.			<i>AMI-P6</i>
Instrument (SCCR 911)	August 3	August 17 In CM Queue	August 24	Redelivering PGE CER1.0P2.			<i>AMI-P6 & AMI-x86</i>
Perl_Lib (SCCR 906)	August 17	August 31 In CM Queue	September 7	Adding features to AJSS_PGE class.			<i>AMI-P6 & AMI-x86</i>
CERESlib (SCCR 898)	August 17	August 31	September 7	TISA Gridding updates.			<i>AMI-P6 & AMI-x86</i>
TISA Gridding (SCCR 888)	August 17	August 31	September 7	Edition4 SSF1deg-Hour.	X		<i>AMI-P6 & AMI-x86</i>
Inversion (SCCR 912)	August 31	September 14	September 21	Migrate PGEs CER4.5-6.2P4, CER4.5-6.4P1, CER4.5-6.5P4, and CER4.5-6.5P5 to <i>AMI-P</i> .			<i>AMI-P6 & AMI-x86</i>
Clouds (SCCR 918)	October 5	October 19	October 26	Migrate PGE CER4.1-4.0P2 to <i>AMI-P</i> .			<i>AMI-P6</i>

Table 3. CERES Subsystem Delivery Schedule – September 2012

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)	Certified Platform(s)
TISA Gridding (SCCR 914)	October 12	October 26	November 2	Migrate PGEs CER9.1P1, CER9.2P2, CER9.3P2, and CER9.4P2 to <i>AMI-P</i> .			<i>AMI-P6 & AMI-x86</i>
Inversion (SCCR 913)	November 2	November 16	November 23	Migrate PGEs CER4.5-6.1P2, CER4.5-6.1P3, and CER4.5-6.2P2 to <i>AMI-P</i> .			<i>AMI-P6 & AMI-x86</i>
TISA Gridding (SCCR 915)	November 30	December 14	December 21	Migrate PGE CER9.0P1 to <i>AMI-P</i> .			<i>AMI-P6 & AMI-x86</i>
GCEO (SCCR 916)	November 30	December 14	December 21	Migrate PGE CER11.7P1 to <i>AMI-P</i> .			<i>AMI-P6 & AMI-x86</i>
Instrument (SCCR 877)	December 28	January 11	January 18	Converting PGE CER1.3P3 to C++ creating new PGE CER1.4P3.		X	<i>AMI-P6 & AMI-x86</i>
Clouds (SCCR 919)	February 8	February 22	March 1	Migrate PGEs CER4.1-4.1P4, CER4.1-4.1P5, CER4.1-4.2P2, CER4.1-4.2P3, and CER4.1-4.3P2 to <i>AMI-P</i> .			<i>AMI-P6</i>
Instrument (SCCR 641)		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	<i>AMI-P6 & AMI-x86</i>

SCF Processing

Subsystem	Reason for Delivery	SCF Platform
TISA Averaging (SCCR 766)	SRBAVG-nonGEO Beta2-Edition3 . New PGE CER10.1P1 for the subsetter code.	<i>AMI-P6</i>

Table 4. CERES Coefficients Delivery Schedule – September 2012

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
There are no deliveries planned at this time.					

Table 5. SCCR Activity August 21 at 12:00 p.m. – September 4 at 11:00 a.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
888		X				TISA Gridding	10	
897		X				TISA Gridding	11	
898		X	X			CERESlib	12	
906			X	X		Perl_Lib		
911				X		Instrument		
923			X	X		Toolkt		
924				X		Clouds		
925			X	X		CERESlib		
926			X	X		Instrument		
927	X					Clouds	13	
928	X					CERESlib	14	

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

CERES Software Configuration Change Request Submittal

Subsystem: TISAgrid9.0

SCCR Date: 03/27/2012

SCCR Number: 888

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ADDITIONAL CHANGES TO SCCR NO. 888:

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Disapprove this SCCR.

Reason for Change (non-Science):

Dave Doelling and Norman Loeb decided that we will not deliver a Beta Edition4 version of the TISA Gridding code.

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: N/A

Planned Delivery Date: N/A

List Affected Subsystems and PGE Names: N/A

Date & Time: 2012-08-31 08:24:45

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: TISAgrid9.0

SCCR Date: 04/25/2012

SCCR Number: 897

*** All changes described in this SCCR were made in CERESlib. ***

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ADDITIONAL CHANGES TO SCCR NO. 897:

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Disapprove this SCCR.

Reason for Change (non-Science):

Dave Doelling and Norman Loeb decided that we will not deliver a Beta Edition4 version of the TISA Gridding code.

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: N/A

Planned Delivery Date: N/A

List Affected Subsystems and PGE Names: N/A

Date & Time: 2012-09-04 10:06:41

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: CERESlib

SCCR Date: 05/14/2012

SCCR Number: 898

*** All changes described in this SCCR were made in CERESlib. ***

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ADDITIONAL CHANGES TO SCCR NO. 898:

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Disapprove this SCCR.

Reason for Change (non-Science):

Dave Doelling and Norman Loeb decided that we will not deliver a beta Edition 4 version of the TISA Gridding code.

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: N/A

Planned Delivery Date: N/A

List Affected Subsystems and PGE Names: TISA

Date & Time: 2012-09-03 11:56:37

Originator: HILLYER, THOMAS N. (SSAI)

CERES Software Configuration Change Request Submittal

*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: Clouds SCCR Date & TIME: 2012-08-27 12:22:02 SCCR No.: 927

Parameter Change: () YES (X) NO

Description of Change (Science):
None

Reason for Change (Science):
N/A

Description of Change (non-Science):
Initialize status flags for snow and ice map reads in surfmap_io.f90 (Req 4-14)

Reason for Change (non-Science):
The status flags was only set when there was a problem reading the input maps. This can lead to the flag being nonzero even though the map was read successfully.

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:
CER4.1-4.0P2

Estimated Time to Complete Change: 4 hours

Planned Delivery Date: October 19, 2012

List Affected Subsystems and PGE Names: ERBElke CER2.1P1, Clouds CER4.1-4.1P4, CER4.1-4.1P5, and CER4.1-4.1P6, SARB 7.2.1P1, TISA 10.0P2, GGEO 11.1P10

Originator: MILLER, WALTER F. (SSAI)

CERES Software Configuration Change Request Submittal

*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: CERESlib SCCR Date & TIME: 2012-08-27 13:58:46 SCCR No.: 928

Parameter Change: () YES (X) NO

Description of Change (Science):
Refer to SCCR 927.

Reason for Change (Science):
Refer to SCCR 927.

Description of Change (non-Science):
Refer to SCCR 927.

Reason for Change (non-Science):
Refer to SCCR 927.

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: With SCCR 918
List Affected Subsystems and PGE Names: Clouds

Originator: WILKINS, JOSHUA C. (SSAI)

Table 6. September 5, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Wilkins)	<ul style="list-style-type: none"> File and directory permissions in Toolkit 18's PGSMMSG and PGSINC directories are now fixed on <i>AMI</i> and <i>AMI-P</i>. (Hillyer) 	
CERES-lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> SCCR 925 - Toolkit 18 version of CERESlib and the CERES Environment have been installed successfully on <i>AMI-P</i>. (Hillyer) SCCR 928 - Built test versions of CERESlib on x86_64 and ppc64 for Clouds subsystem to test code updates to <i>surfmap_io.f90</i> that were received in SCCR 927. (Wilkins, Hillyer) 	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> Switched CERES::AJSS_PGE module to use Distributed Resource Management Application API (DRMAA) via the Cluster::DRMAA module. This is the same submission interface that CATALYST will be using. (Hillyer) Added '-sync' option to CERES::AJSS_PGE to force the SGE_Driver to run in synchronous mode using the DRMAA library. When '-sync' is enabled, the SGE_Driver will hang until all SGE jobs submitted with the SGE_Driver have signaled completion. (Hillyer) 	<ul style="list-style-type: none">
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> Finalizing and testing capabilities needed by CATALYST in the DBI interface. (Wilkins) Building Product API for referencing predecessor products. Reworking the design of CER4.1-4.1P6 to use the new API. (Hillyer) Implementing <i>memcached</i> service to CATALYST for caching blade related data and queries to logging database. (Hillyer, Wilkins) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> SCCR 877 - This effort continues, but has been rescheduled for January 2013 due to higher priority deliveries related to moving software off of <i>magneto</i> and fixing the issues with CER1.0P2 (SCCR 911). (Grepitotis, Timcoe) The converted Solar/Lunar angle software has been successfully compiled and is now being tested. All ASCII output files are being created correctly. The only remaining issue is the updating of the HTML table. The software works correctly when creating a new HTML page and when adding data to the 	

Table 6. September 5, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
1.0 (Cont'd)	Cooper (Grepitotis)	existing table. The remaining issue is allowing the user to update existing rows in the HTML table when new data for that data date is ingested. (Cooper)	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR 867 - Continued ValR27 <i>P6</i> versus <i>x86</i> analysis: neither ES8 nor ES4 plots affected by divergence (due to SWF plot data not varying by > 0.1), viewhdf showing wide geo distribution of sig diffs (> 0.2) which are ~200X larger in range and ~260X more frequent than the pre- delivery results (which used <i>P6</i> SCCs instead of <i>x86</i> ones). To validate the other PGEs (other than 2.4P1) on <i>x86</i>, created a new set of PRs (ValR27-X86b) using <i>P6</i> SCCs to compare with pre-delivery <i>x86</i> run. Verified that PGE outputs on <i>P6</i> match <i>P4</i> (<i>magneto</i>), and that SNOW is the same on all platforms (<i>sgi/P4/P6/x86</i>). Discovered that <i>x86</i> = SGI for SCCs and ES8s, and that <i>P6</i> = <i>x86</i> for 3.1P1 but not 3.2P1, while <i>P6</i> outputs are scientifically equivalent to SGI outputs for both 2.2P1 and 3.1P1 (due to small number of sig diffs) and between <i>x86</i> and SGI for 3.2P1 (due to no sig diffs). Also found that using <i>x86</i> (instead of <i>P6</i>) SCCs result in fewer/more SWF/LWF fill values in ES4s/9s, and confirmed that the extra zero geo scene types seen earlier only appear in <i>P6</i> output of 3.2P1, at the same position (near North Pole), and should be '3' instead (as both SGI and <i>x86</i> show). This is the only sig diff between <i>P6</i> and <i>x86</i>/SGI versions of 3.2P1. (Lande) • SCCR 867 - Continued to validate <i>P6/x86</i> TK18-recompiled codes: 3.1P1 plot data match TK16 version. (Lande) • Continued to assist with PR issues: fixed typo in NPP 14-12 and closed M 3-10 and 144-12 (after DPO check). (Lande) • Submitted ES8 DQS update for FM5 Ed1-CV. (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"> • With team members, worked on all issues encountered at the ASDC regarding Clouds Beta-Ed4 production. (Sun-Mack) 	

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SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Working on EDUMETSAT talk. (Sun-Mack) • Working on putting Ed4 Clouds to C3M. (Sun-Mack) • Delivered SCCR 924 delta scripts and Operators manual for mail updates and Manage_1P6_2P5 functions. (R. Smith) • Working on run error in 0P2 on <i>AMI</i>. (R. Smith) • Working with Ricky on setting up scripts to Post process Edition 4 QC. (R. Smith) • Generated the comparison among ValR1-Beta1-Ed4, CALIPSO, MODIS-ST and ISCCP of January 2007 for Aqua and Terra. Also loaded three days of 200607 and 200701 CloudVis images on the Website through CLOUDS Validation Tool. (Y. Chen) • Checked Cloud Retrievals of QC images from ValR1-Beta1-Ed4 for July 2006 and January 2007 both Aqua and Terra. (Y. Chen) • Checked Differences of CloudVis Files between version ValR1-AMIXxxxxx and ValR1-Beta1-Ed4. (Y. Chen) • Continue assisting for the Lapse Rate Paper. (Y. Chen) • Checked the completion of copying MOD02 new subset data and corresponding MOD03 data to DPO. (Y. Chen) • Tested the tool for Submit_1P6_2P5 Production Environment Updates. (Y. Chen) • Generated Plots and Stats of cloud size of 200710. (Y. Chen) • Continue checking the daily ingest completion of VIMD (03001) and VAOT (03001 and 03002) data on the /ASDC_archive. (Y. Chen) • Rewrite the Subsetter code for SDS names' change. (Y. Chen) • Continuing development of SCCR Dashboard tool. (Heckert) • Working with Pam Mlynczak to verify accurate recording and storage of CERES Ordering Tool statistics. (Heckert) 	

Table 6. September 5, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> Continuing development of CERES PR Tool – preparing to move to pre-production environment for end to end testing. (Heckert) Processed Edition 4(Beta1) QC results for 200003. Results were posted on the Web. (Brown) Differences between Edition 4 and Edition 2 were produced and results were posted on the Web. (Brown) ReadMap code for SSF and QC were modified to include HTML header information. (Brown) 	
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"> Confirmed that software was performing as expected on initial issues with early Beta1-Ed4 processing. (Miller) Updated surfmap_io module to support <i>x86</i>. (Miller) Investigated differences with ERBE CERES-like SSF after new compiler implemented. The window radiance was not by-passed during daytime longwave unfiltering. (Miller) Generating list of missing input data for Beta1-Ed4 processing. (Miller) Working on the program to read binary SSFB and SSFA files and to write HDF5 SSF file. (Antropov) 	
4.5	Sothcott	<ul style="list-style-type: none"> SCCR 912 - Completed testing of all software changes for PGEs CER4.5-6.2P4, CER4.5-6 4P1, CER4.5-6.5P4, and CER4.5-6.5P5 for the migration from <i>magneto</i> to <i>AMI-P6</i> and <i>x86</i>. (Sothcott) SCCR 912 - Continued with the Inversion additional testing of the delivery package and with updates to the Test Plan. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> SCCR 917 - 5.0P2 delivered to <i>AMI</i> platform. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> Nothing to report. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Assisted FlashFLUX in testing new GEOS 5.9 data. (Caldwell) 	

Table 6. September 5, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> • Completed LW coefficient validation. Updated TSI code and ran phases 1 and 2 to provide Michele Nordeen code and input data to compare with GERB data. (Nguyen) • Updated TSI code following Doelling's flow chart for GER comparison. (Nguyen) • Preparing to clean up GOES15 GGEO data. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> • Transfer the works to others before leaving. (Lock) 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> • Ran 2006 flux-by-cloud data for Moguo Sun for further studies. (Nguyen) • Updating phase 1 of flux-by-cloud code to include Edition4 SSF for Moguo Sun. (Nguyen) • Updated phase 2 flux-by-cloud code to compute the monthly averages. Ran 2006 07 flux-by-cloud to produce monthly average data. Wrote code to compare with SSF1Deg Lite for validation. (Nguyen) • Working on Edition3 GMT SSF1Deg code and scripts for delivery. Plotted data and compare with SSF1Deg Lite for validation. (Nguyen) • SCCR 860 - Delivered code, scripts, and SSF1Deg and SYN1Deg Lite data to CM. (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 914 - Initiated work on new PCF scripts that are required for PGE delivery to <i>AMI-P</i>. (Raju, Forrest Wrenn) • SCCR 915 - PGE 9.0P1 delivery to migrate Edition2 ISCCP-D2like-Day/Nit process from <i>magneto</i> to <i>AMI-P</i>. No update. (Raju) • Started looking into Gridding PGEs and the delivery procedures. (Forrest Wrenn) 	
11.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • SCCR 916 - PGE 11.7P1 delivery to migrate Edition2 ISCCP-D2like-GEO process from <i>magneto</i> to <i>AMI-P</i>. No update. (Raju) 	

Table 6. September 5, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
11.0 (Cont'd)	Raju (F. Wrenn)	<ul style="list-style-type: none"> • As per Dave Doelling's requests, a presentation was given to TISA members showing how to check and clean MCIDAS images using IDL, Phast programs. (Forrest Wrenn) • Assumed MTS2 image cleaning and completed up to June 2012. (Forrest Wrenn) • Working on the modifications to the IDL and Phast programs to handle 5 channel radiances on netCDF images for Edition4. (Forrest Wrenn) • Assumed MET7 image cleaning and completed up to June 2012. (Raju) • LW ADM process code was separated to make it a stand alone procedure. Data files were moved to ancillary directory and the read routines were modified to use ToolKit IO routines to access ancillary files. Procedure was tested using one day of Edition2 SSF. LW flux, LW ADM output was compared with the footprint values on SSF file successfully. Looking into the code to read GGEO inputs instead of SSF to calculate LW Flux and ADM type. (Raju) • Received Website information from Kirk Ayers regarding Edition4 GEO netCDF images. Sftp 01/2012 day 1 images in to local directory and started working on reading data into GGEO process. (Raju) 	

Table 7. September 5, 2012 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Reviewing "deeper dive" feedback and making last-minute tweaks/corrections to PRDB schema, Web interface, and rules. (Grune, Heckert, Coleman) • Distributed latest (hopefully final) draft of Transition Plan. (Coleman) • Provided size estimates for the Logging DB to Chris Harris. (Coleman)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • The CWG Website continues to be checked for functionality and security issues. (Kizer) • Modifications continue to be made as suggested by Dave Doelling to the prototype ASDC-CERES product pages for future Edition3 and Edition4 products. (Kizer, Heckert) • The CERES STM Registration page was promoted to production with registration emails to Sarah Crecelius. Several folks have been using the site to register for the meeting. (Kizer, Heckert)
CERES Ordering Tool (Chu/Mitrescu)	<ul style="list-style-type: none"> • The development of the release for Clouds Validation tool is completed. The clouds group is testing the software. (Chu) • Start working on the new spatial DB schema that contains the information of the percentage of cross track footprints per SSF Level 2 file. (Chu) • Continue working on adding Attributes to SYN variables. Check against Documentation. (Mitrescu) • Continue the QC on the SYN data. (Mitrescu) • Start adding "info" to SYN variables on the OT Website. (Mitrescu)

Table 8. September 5, 2012 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none"><li data-bbox="472 296 1333 688">• An issue has arisen in the NPP-FM5 Edition1-CV data products. The issue is being investigated by the calibration and software development teams, but the root cause has not yet been discovered. The issue is related to NPP and does not affect Terra or Aqua data. The issue was discovered when working with the output data from CER1.4P2. The data has spikes, which are causing errors in the gain information calculated by CER1.4P2. At this time, Edition1-CV processing for NPP beyond CER1.0P2 should be held until the cause of the issue is discovered and an updated version of CER1.1P8 is delivered. (Cooper)

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	
ERBE-like - 2	CER1.4P3	N	N	N/A	Devel	18	Devel	18	Devel	N	
	CER2.1P1	N	Y	16	ValRx	16	ValRx	16	Y	N	
	CER2.2P1	N	Y	15	ValRx	16	ValRx	16	Y	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	N	Y	16	ValRx	16	ValRx	16	Y	N	
	CER2.3P2	N	Y	16	ValRx	16	ValRx	16	Y	N	
ERBE-like - 3	CER2.4P1	N	Y	16	ValRx	16	ValRx	16	Y	N	
	CER3.1P1	N	Y	16	ValRx	16	ValRx	16	Y	N	
Clouds 4.1-4	CER3.2P1	N	Y	16	ValRx	16	ValRx	16	Y	N	
	CER4.1-4.0P2	N	Y	15	Devel	18	N	N/A	Devel	N	Migration to AMI not in near future
	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	16	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	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	16	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P5	N	N	N/A	Y	16	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	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	16	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future	

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)	
Inversion/SOFA 4.5-6	CER4.5-6.1P2	N	Y	16	Devel	18	Devel	18	Devel	N	Ed2 Terra Main
	CER4.5-6.1P3	N	Y	16	Devel	18	Devel	18	Devel	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
	CER4.5-6.2P2	N	Y	16	Devel	18	Devel	18	Devel	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	Devel	18	Devel	18	Devel	N	Ed3 daily post-processor
	CER4.5-6.4P1	N	Y	16	Devel	18	Devel	18	Devel	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	Devel	18	Devel	18	Devel	N	IES-SSF Terra New PGE, Ed2 format	
CER4.5-6.5P5	N	Y	16	Devel	18	Devel	18	Devel	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	SSI&T	18	SSI&T	18	SSI&T	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	Devel	16	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

		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
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	Devel	16	N	N/A	Devel	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
	CER9.1P1	N	Y	15	Devel	18	N	N/A	N	N	
	CER9.2P2	N	Y	16	Devel	18	N	N/A	Devel	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	Devel	18	N	N/A	Devel	N	PGE for Edition3
	CER9.3P3	N	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
	CER9.4P2	N	Y	16	Devel	18	N	N/A	Devel	N	PGE for Edition3
TISA Avg - 10	CER9.4P3	N	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
	CER10.0P3	N	Y	16	Y	16	N	N/A	Y	N	PGE for Edition3
GGEO - 11	CER11.1P10	N	Y	16	Devel	18	N	N/A	n/a	n/a	
	CER11.2P2	N	Y	16	Devel	18	N	N/A	n/a	n/a	
	CER11.4P1	N	Y	16	Devel	18	N	N/A	n/a	n/a	
	CER11.6P1	N	Y	16	Devel	18	N	N/A	n/a	n/a	
	CER11.7P1	N	Y	16	Devel	18	N	N/A	Devel	N	
Regrid MOA - 12	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
1/3/2012	None	
1/23/2012	CER1.1P1,3,5,7, CER4.1-4.0P1	Moved to Table 3
	CER1.2P1, CER1.3P3	Changed SGI status from "Y" to "N"
	CER6.1P2, 2P2, 3P2	Removed from list
	CER10.0P3	Changed P6 status from "Devel" to "SSI&T"
	CER4.1-4.1P6, 2P4, 2P5, 3P3	Changed New Wrapper Script status from "SSI&T" to "Devel"
2/6/2012	CER10.0P1,2	Moved to disabled/deleted list (Table 3)
2/22/2012	No Updates	
3/5/2012	No Updates	
3/19/2012	4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 status and new wrapper status from "Devel" to "SSI&T"
	7.3.1P1, 7.2.1P1, 10.0P3	Changed P6 status and new wrapper status to "ValRx"
4/4/2012	4.5-6.1P3, 2P2, 4P1	Changed P4 TK version from "15" to "16"
	4.5-6.5P2,3, 4.5-6.6P2,3	Moved to Disabled/deleted table
4/16/2012	9.2P3, 9.3P3, 9.4P3	New PGEs added to list
	Table 2 - BDS Product	Status of URL in Sample Read Package README Update changed from "N" to "Y"
	7.3.1P1, 7.2.1P1, 10.0P3	Changed P6 status and new wrapper status from "ValRx" to "Y"
	9.2P1, 9.3P1, 9.4P1, 7.1.1P1	Moved to Table 3
5/7/2012	4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 status and new wrapper status from "SSI&T" to "Devel"
5/14/2012	Table 2 - ES8, ES4, and ES9 Products	Status of URL in Sample Read Package README Update changed from "N" to "Y"
	12.1P1	Changed P6 and X86 statuses from "Y" to "Devel"
	9.0P2,3	Changed P6 and New Wrapper statuses from "SSI&T" to "ValRx"
5/30/2012	4.1-4.1P6, 2P4, 2P5, 3P3 4.5-6.1P4,5, 2P3, 4P2	Changed P6 status and new wrapper status from "Devel" to "SSI&T"
	12.1P1	Changed P6 and X86 statuses and new wrapper status from "Devel" to "SSI&T"
	Table 1	Added column for tracking CATALYST PGEs
6/13/2012	1.1P8	Changed X86 Status from "Devel" to "SSI&T"
	12.1P1	Changed P6 and X86 statuses from "SSI&T" to "ValRx"
7/11/2012	9.0P2,3	Changed P6 status and new wrapper status from "ValRx" to "Y"
	2.1P1, 2.2P1, 2.3P1,2, 2.4P1, 3.1P1, 3.2P1	Changed X86 statuses from "Devel" to "SSI&T"

Revisions:			
7/25/2012	4.1-4.1P6, 2P4, 2P5, 3P3 4.5-6.1P4,5, 2P3, 4P2	Changed P6 status and new wrapper status from "SSI&T" to "ValRx"	
	5.0P2	Changed P6 and X86 statuses and new wrapper status from "N" to "Devel", Changed CATALYST status from "n/a" to "N".	
	4.1-4.0P2, 1P4,5, 2P2,3, 3P2, 4.5-6.1P2,3, 2P2,4, 4P1, 5P4,5 5.0P2, 9.0P1, 1P1, 2P2, 3P2, 4P2, 11.7P1	Changed P6 statuses and new wrapper status from "N" to "Devel" . Changed CATALYST status from "n/a" to "N".	
	11.2P2, 4P1, 6P1	Changed X86 statuses "Devel" to "N".	
	8/8/2012	4.5-6.1P2,3, 2P2,4, 4P1, 5P4,5	Changed X86 statuses from "N" to "Devel".
8/8/2012	1.1P8, 1.4P2	Changed X86 statuses from "SSI&T" to "Y".	
	1.4P3, 4.1-4.0P2, 1P4,5, 2P2,3, 3P2, 4.5-6.1P2,3, 2P2,4, 4P1, 5P4,5 5.0P2, 9.0P1, 1P1, 2P2, 3P2, 4P2, 11.7P1	Changed P6 and X86 TK Versions from "16" to "18" (unless equal to "N/A")	
	8/22/2012	5.0P2	Changed P6 and X86 statuses and new wrapper status from "Devel" to "SSI&T"
	4.1-4.1P6, 2P4, 2P5, 3P3 4.5-6.1P4,5, 2P3, 4P2	Changed P6 status and new wrapper status from "ValRx" to "Y"	
8/22/2012	12.1P1	Changed P6 and X86 and new wrapper statuses from "ValRx" to "Y"	
	9/5/2012	2.1P1, 2.2P1, 2.3P1,2, 2.4P1, 3.1P1, 3.2P1	Changed P6 and X86 statuses from "SSI&T" to "ValRx"