

May 30, 2012 - System Issues and Status
Table 1: Process Strategy/Coleman as of 05/30/12
Active Requests in order of priority as of 05/28/12

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
The PRs that follow are the Standing PRs						
M-PR 1-09		NSIDC- NESDIS	EICE ESNOW 16 th mesh	4.1-4.0P2	Standing Request	
PRs NPP 6-11 through 14-11, NPP 1-12	NPP	AtLaunch	BDS/ ERBELike (SS1-3)	1.0P2, 1.1P8, 1.2P1, 1.4P1&2, 2.2P1, 2.3P1/2, 3.1P1	Standing Request	
PRs NPP 1-11 through 5-11	NPP	Baseline1- QC	BDS/ ES8	1.0P2, 1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	
AM 8-11 thru 11-11 PM 8-11 thru 11- 11	Terra Aqua	Baseline1- QC	BDS/ES8	1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	
AM 12-11 thru 19-11 PM 12-11 thru 19-11	Terra Aqua	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P8 1.2P1 1.4P1&2, 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	

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AM 1-11 to 7-11 FM3 1-11 to 7-11 FM4 1-12 to 7-12	Terra Aqua	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 858	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 (Previously 6-11)	CERES	GMAO-G541-Ed4	MOA	12.1P2	Standing request	
The PRs that follow are the Non-Standing PRs that can be processed						
PR 72-12	FM1	Edition2G	HMAER	5.0P1	7/2010 – 4/2011	Ready Priority 1
PRs 204-11, 203-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	1/2006 5/2006 – 12/2007	Ready Priority 1
PRs 53-12 thru 69-12 SCCRs 716, 863, 740	Terra, Aqua	Edition3	BDS/IES ES8/4/9	1.2P1, 1.3P3 2.2P1, 2.3P1&2 2.4P1	9/2/11 – 1/1/12	Terra Complete. Aqua ERBE-like in Progress Priority Level 2
PRs 200-11, 199-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	12/2007 – 6/2010	Ready Priority 2
PR 202-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	1/2006 5/2006 – 12/2007	Ready Priority 2

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PR 201-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	1/2006 5/2006 – 12/2007	Ready Priority 2
PRs 196-11, 195- 11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	7/2010 - 12/2010	Ready Priority 2
PR 198-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	12/ 2007 – 6/2010	Ready Priority 2
PR 194-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	7/2010 - 2/2010	Ready Priority 2
PR 197-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	12/ 2007 – 6/2010	Ready Priority 2
PR 193-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/2010 - 12/2010	Ready Priority 2
PR 8-12 SCCR 794	Terra	Edition3A	SAH	5.0P2	1/11 – 8/11	Ready Priority Level 2
PRs 14-12 thru 16-12 SCCRs 870, 791, 690	Terra	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	12/31/10 – 9/1/11	In Progress. Complete thru 8/31/11 Priority Level 3
PRs 9-12, 10-12, 13-12 SCCR 789	Terra	Edition3A	SFC	9.2P2, 9.3P2 9.4P2	12/31/10 – 9/1/11	In Progress. Complete thru 8/31/11 Priority Level 3
PRs 5-12 thru 7- 12 SCCRs 871, 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	12/31/10 – 9/1/11	Ready Priority Level 3

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 2-12 thru 4-12 SCCR 789	Aqua Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	12/31/10 – 9/1/11	Ready Priority Level 3
PR 1-12 SCCR 794	Aqua	Edition3A	SAH	5.0P2	1/11 – 8/11	Ready Priority Level 3
PRs 50-12 thru 52-12	Terra- Aqua	Edition2A	ISCCP- D2like- Mrg	9.0P2 9.0P3	7/02 – 6/10	On Hold – PreProd – Pending ValRx approval 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 43-09 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 206-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	7/2002 – 4/2006	Complete. 5/24/12
PR 207-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/2002 – 4/2006	Complete. 5/25/12
PRs 161-11 thru 163-11	Terra	Edition3A CC=301301	SFC	9.2P2, 9.3P2 9.4P2	1/06, 5/06, 6/06	Complete. 5/14/12

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 47-42 19-12 thru 26-12 SCCRs 716, 863, 740	Terra, Aqua	Edition3	BDS/IES ES8/4/9	1.2P1, 1.3P3 2.2P1, 2.3P1&2 2.4P1	6/2/11 – 9/1/11	Terra Complete. Aqua PRs replaced with new PRs
<p align="center">**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-operational testing and been promoted ****</p>						
PRs 70-12, 71-12	CERES	ValR5P6/x86	MOA	12.1P1		OnHold-PreProd Pending Promotion Priority 2
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	2/28/2000 – 6/1/2005	HOLD –PreProd- Pending Software Delivery Priority Level 3
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	HOLD –PreProd- Pending Software Delivery Priority Level 3

Table 2. May 30, 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) • Installed the updated Edition3 spectral response function files for Terra FM1 and FM2 for September 1, 2011, through December 31, 2011, and for Aqua FM3 and FM4 for June 1, 2011, through December 31, 2011, on <i>AMI-P</i>, and provided them to the ASDC on May 14. (Ayers) • SCCR 899 - Formatted the updated MOA Operator's Manual, posted it on the Web, and provided it to the ASDC on May 18. (Saunders) • SCCR 899 - Installed, compiled, and tested MOA PGE CER12.1P1 on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>, and released it to the ASDC on May 24. (Ayers) • SCCR 900 - Formatted the updated Instrument Operator's Manual, posted it on the Web, and provided it to the ASDC on May 25. (Saunders) • SCCR 900 - Installed this delta delivery on <i>AMI-P</i>, successfully ran the FM5 test case for PGE CER1.4P2, and released it to the ASDC on May 29. (Ayers) • SCCR 892 - Installed, compiled, and tested Perl_Lib on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>, and released it to the ASDC on May 29. (Ayers) • SCCR 809 - Formatted the updated Clouds Test Plan, posted it on the Web, and provided it to the ASDC on May 29. (Saunders) • SCCR 809 - Installed, compiled, and tested Clouds on <i>AMI-P-P6</i>, and released it to the ASDC on May 29. (Ayers) • SCCR 902 - In the CM queue. (Ayers) • SCCR 814 - In the CM queue. (Ayers) • Formatted the updated Instrument and Inversion Requirements Logs and posted them on the Web. (Saunders)
AMI Job Submission Scripts (AJSS)	Ayers (Hillyer)	<ul style="list-style-type: none"> • Continued working on the job submission scripts for TISA Gridding SCCR 888 (PGEs 9.2P3, 9.3P3, and 9.4P3). (Grepitotis)

Table 3. CERES Subsystem Delivery Schedule – May 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)
CERESlib (SCCR 902)	May 11	May 25	June 1	Inversion updates.			<i>magneto, AMI-P6 & AMI-x86</i>
Inversion (SCCR 814)	May 11	May 25	June 1	Terra and Aqua Beta1-Edition4 . PGEs CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3 and CER4.5-6.4P2.	X		<i>AMI-P6</i>
ERBE-like (SCCR 867)	May 18	June 1	June 8	Porting all ERBE-like PGEs to x86 platform and standardizing exit codes.			<i>AMI-x86</i>
CERESlib (SCCR 898)	June 15	June 29	July 6	TISA Gridding updates.			<i>magneto, AMI-P6 & AMI-x86</i>
TISA Gridding (SCCR 888)	June 15	June 29	July 6	Edition4 SSF1deg-Hour.	X		<i>AMI-P6</i>
Instrument (SCCR 877)		August 2012		Converting PGE CER1.3P3 to C++ creating new PGE CER1.4P3.		X	<i>AMI-P6 & AMI-x86</i>
Instrument (SCCR 878)		August 2012		Update CER1.1P8 to fix any issues found after NPP launch. Also include any fixes for issues which arise with TRMM/Terra/Aqua for this PGE.			<i>AMI-P6 & AMI-x86</i>
Instrument (SCCR 641)		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	<i>magneto-P4</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 – May 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 May 14 at 1:30 p.m. – May 30 at 9:30 a.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
898			X			CERESlib		
899	X		X			MOA	10	
900	X		X			Instrument	11	
901	X	X				Inversion	12	
902	X	X				CERESlib	14	

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

CERES Software Configuration Change Request Submittal

Subsystem: MOA SCCR Date & TIME: 2012-05-16 16:38:14 SCCR No.: 899

Parameter Change: () YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
(Req# 12-3.5)

Update to run scripts and code for PGE 12.1P1 on AMI. This update will allow 12.1P1 to process GMAO 5.2 inputs (CERES100 and CERES200) into Edition2 MOA.

Reason for Change (non-Science):
(Req# 12-3.5)

PGE 12.1P1 was delivered to AMI with the assumption that GMAO 5.4 files would be used for input. This was incorrect. This delivery will allow Edition2 MOA processing on AMI.

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:
12.1P1

Estimated Time to Complete Change: 2 days

Planned Delivery Date: May 18, 2012

List Affected Subsystems and PGE Names: Subsystem 12, PGE 12.1P1

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: Instrument SCCR Date & TIME: 2012-05-17 17:46:46 SCCR No.: 900

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Reqt. 1-56: Add NPP-FM5 as an option in the scripts for CER1.4P2. No software updates are required.

Reason for Change (non-Science):

Reqt. 1-56: PGE CER1.4P2 was delivered before NPP-FM5 launch.

Data was not available for testing FM5 for this PGE, so it was not included in the initial delivery.

The AJSS scripts need to be updated to include FM5 as an available option to fix issues encountered in production, where PCF runtime parameters are being set to blank instead of valid values.

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:

CER1.4P2

Estimated Time to Complete Change: 1 week

Planned Delivery Date: 5/25/2012

List Affected Subsystems and PGE Names: Instrument CER1.4P2

Originator: COOPER, DENISE L. (SSAI)

CERES Software Configuration Change Request Submittal

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

Subsystem: Inversion4.6 SCCR Date & TIME: 2012-05-21 13:37:18 SCCR No.: 901

Parameter Change: () YES (X) NO

Description of Change (Science):

Update to SW model B code to fix bug that allowed negative surface albedo. Req. # 4.6-1

Reason for Change (Science):

Fix a known bug. SW model B is a CERESlib module.

Description of Change (non-Science):

None

Reason for Change (non-Science):

None

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:

CER4.5-6.1P4 and CER4.5-6.1P5

Estimated Time to Complete Change: 1 week

Planned Delivery Date: 5/25/2012

List Affected Subsystems and PGE Names: Inversion CER4.5-6.1P4 and CER4.5-6.1P5

Originator: SOTHCOTT, VICTOR E. (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 901:

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Parameter Change: () YES (X) NO

Description of Change (Science):

Update the ceres_valregions_Ed4.f90 file with five new validation sites. Req. # 4.5-43

Reason for Change (Science):
New validation sites are available.

Description of Change (non-Science):
N/A

Reason for Change (non-Science):
N/A

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:
CER4.5-6.2P3

Estimated Time to Complete Change: 1 day
Planned Delivery Date: 5/29/12
List Affected Subsystems and PGE Names: Inversion CER4.5-6.2P3

Date & Time: 2012-05-29 13:50:28

Originator: SOTHCOTT, VICTOR E. (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: 2012-05-21 19:15:03 SCCR No.: 902

Parameter Change: () YES (X) NO

Description of Change (Science):
Refer to SCCR 901.

Reason for Change (Science):
Refer to SCCR 901.

Description of Change (non-Science):
None

Reason for Change (non-Science):
None

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: 5/25/2012
List Affected Subsystems and PGE Names: Inversion

Originator: HILLYER, THOMAS N. (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 902:

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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):

Adding new CATALYST-related exit codes to the CERES Standard Exit Code list:

50 - CATALYST_ERROR

51 - CATALYST_DELETED

52 - CATALYST_NOT_PLANNED

Reason for Change (non-Science):

Need to reflect in the logging database that jobs that had been sent to CATALYST have been manually deleted (CATALYST_DELETED), not planned to run (CATALYST_NOT_PLANNED), or some unknown error has occurred (CATALYST_ERROR).

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

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem:

N/A

Estimated Time to Complete Change : done

Planned Delivery Date : 5/30/2012

List Affected Subsystems and PGE Names: AMI PGEs

Date & Time: 2012-05-30 08:50:15

Originator: HILLYER, THOMAS N. (SSAI)

Table 6. May 30, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Wilkins)	<ul style="list-style-type: none"> • Retested new GCC 4.5.3 compiler configuration on SLES 11 test systems. New configuration has fixed previously observed HDF5 linking errors. (Hillyer) • Testing new IBM XL Fortran 13 compiler on SLES 11. Identified and reported missing SLES 11 configuration file for compiler to the ASDC. Compiler is now functioning properly. (Hillyer) • Building Toolkit 18 for Mac OS X's Darwin kernel to better support development after VPN changeover. HDF4 is failing its SD-interface and XDR test suites when built in 64-bit mode; 32-bit mode is fine. The issue appears to also affect the MacPorts' distributions of HDF4. (Hillyer) • Toolkit 18 has been built on SLES 11 Power 6 and x86_64 test blades. Toolkit 18 versions of dependent libraries have passed their internal test suite packages. (Hillyer) • Now accepting feedback from subsystems on Toolkit v18 build with GCC 4.5.3 on SLES 11. (Hillyer) • Receiving feedback from subsystems on Toolkit v18 build with GCC 4.2.2. (Hillyer) 	
CERES-lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> • SCCR 898 - Provided TISA with offline Edition4 test versions for <i>AMI</i> and <i>magneto</i>. (Hillyer) • SCCR 902 - Received Inversion Edition4 source code updates from Victor Sothcott. Rebuilt CERESlib on <i>AMI</i> and <i>magneto</i> for SCF. SCCR was delivered to CERES CM on May 24. (Hillyer) • Building Toolkit 18 and GCC 4.5.3 version of CERESlib on <i>AMI</i>. Updated CERES environment scripts to reference the correct libraries and compilers. Identified problem with <i>AMI x86</i> SLES 11 installation of GCC 4.5.3 when attempting to compile CERESlib C++ code. Issue has been reported to the ASDC. (Hillyer) 	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> • SCCR 892 - UGE blade health check failures will result in CERES Exit Code 100 (BLD_ERROR). Jobs that exit with code 100 will remain in an error-queued "Eqw" state in UGE. Updated test suites package for blade check code. SCCR was delivered to CERES CM on May 24. (Hillyer) 	

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SS No.	SS Lead	Status	Problems
Perl_Lib (Cont'd)	Hillyer (Wilkins)	<ul style="list-style-type: none"> Built SLES 11, Toolkit 18 and GCC 4.5.3 version of Perl_Lib on AMI to support PGE test cases in UGE. (Hillyer) 	
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> Attended meetings to discuss requirements, schedule, and implementation. (Hillyer, Wilkins) Refining tracked parameters in job logging database with PR Web application team. (Hillyer, Wilkins) Working on threaded Perl DBI-based interface to logging database. (Wilkins) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> SCCR 900 - Delivered to CERES CM, this SCCR was to add NPP-FM5 as a valid option for CER1.4P2, which was delivered before NPP launch. No internal calibration test data was available for NPP when this PGE was originally delivered, so NPP was not included as a valid option in the job submission scripts. (Cooper, Grepitotis) SCCR 878 - Minor updates were made to fix issues found in CER1.1P8. Waiting for the updated compilers to become available on the test blades to complete testing of this PGE with the new toolkit, compilers and operating system. Updated ancillary data files for NPP-FM5 are expected from the calibration group in mid-June. (Grepitotis, Timcoe) SCCR 877 - Continue on the conversion of the remaining Ada PGE CER1.3P3 to C++ (CER1.4P3). The HDF BDS routines have been completed and are now being tested. Testing showed a problem with the Vdata routines that is being worked now for both the BDS and IES portions of this PGE. (Grepitotis, Timcoe) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> SCCR 867 - Finished robust testing (old and new) of CER2.2/2.3/3.1, including use of x86 snow input (validated). Generated expected data for these, and updated 2.2 and 2.3 portions of the Test Plan, which includes hdiff utility for HDF comparisons (verified for ES8s via viewHDF: spike caused by scene ID) and updated EID6/EID6X comparison code (tested for 2.2's P6 & x86 cases). (Lande) 	

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2.0 (Cont'd)	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR 867 - TK18 testing for CER2.1P1 is complete. P6 portion done for all PGEs. Updated Test Plan for CER2.1P1 and CER2.4P1: all Test cases passed with new scripts. (Walikainen) • Provided Tammy with documentation on resolution (via Nelson's fix of 1.2P1) of FM5 NCT4 ES8 range ending date/time meta data issue last August with x86 PRES8s. (Lande) • Continued work on determining Edition4 Aqua spectral responses. (Szewczyk, Walikainen, Shankar, Smith, Thomas) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Continue checking the daily ingest completion of VIMD and VAOT data on the /ASDC_archive. (Chen) • Ordered inputs (VIIRS VIAE, VMAE, and VDNE) from LAADS Website and checked bow-tie effect on VMAE data. (Chen) • Worked on subsetter code for the optional of without VDNE data and dealing with missing parameter attributes. (Chen) • Wrote several perl scripts to check the VIMD against VIAE, VMAE, and VDNE. (Chen) • Wrote a script to make sure that the files of VIMD and VAOT on the /ASDC_archive/CERES/NPPVIIRS/ are the same on the /ASDC_archive/VIIRS/NPP/03000/. (Chen) • Compared VIMD with 03000 and 03001 and listed the difference between these two versions. Also Web ordered the corresponding version of VIAE, VIME, and VNDE to make sure subsetter did its job. (Chen) • Processing SSF data for Aqua Edition1 for 201202. (R. Brown) • QC global images and statistics for Aqua Edition1 was produced for 201202. Results were posted on the Web. (R. Brown) • Worked on cleaning up Aqua Edition QC directories on <i>lposun</i>. (R. Brown) 	

Table 6. May 30, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Making bug fixes and improvements to PR Tool following testing of the Review and Job Submission applications. (Heckert) • Developing SCCR Dashboard Tool – preliminary functionality for SCCR creation/editing completed. (Heckert) • SCCR 809 - Re-delivered Clouds Ed4. (Smith) • Continue working on daily IBMdx package. (Gibson) • Communicating with Land PEATE. (Sun-Mack) • Worked with Land PEATE and Yan on CERES-VIIRS subsetter issues. (Sun-Mack) • Helped Heck and Rabi on the questions they had. (Sun-Mack) • Read papers. (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"> • Reviewed procedures for Toolkit 5.4.18, GCC <i>x86</i> compilers, and GCC/XLF compiler upgrade testing. (Miller) • Created TOA flux animations. (Antropov) 	
4.5	Sothcott	<ul style="list-style-type: none"> • Completed testing of PGEs CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3, and CER4.5-6.4P2 on <i>AMI</i> with TK5.2.18. All PGE executables compiled with TK5.2.16 tested successfully under TK5.2.18. All PGE executables compiled with TK5.2.18 tested successfully under TK5.2.18. (Sothcott) • SCCR 901 - Completed testing of the updated SW model B fix and delivered the update to CERESlib. (Sothcott) • SCCR 814 - Completed all testing of the delivery package. (Sothcott) • SCCR 814 - DELIVERED!!! (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • Continuing Toolkit testing of SARB PGEs on <i>AMI P6</i> and <i>x86</i> environments. PGEs 5.0P2, 7.2.1P1, and 12.1P1 have all compared successfully from TK 16 to TK 18. I expect no issues with PGE 12.1P2. (Caldwell) 	

Table 6. May 30, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
5.0 (Cont'd)	Caldwell (Coleman)	<ul style="list-style-type: none"> Reduced sarb disk usage on /SCF2 so that the quota can be decreased to "pre-SYNILite" levels. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> Nothing new to report. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> SCCR 899 - Delivery of 12.1P1 (Edition2 MOA) to AMI. The PGE was expecting GMAO G5.4 file names for the inputs. (Caldwell) The G5.4 files were not available for dates that needed to be processed at the ASDC. (Caldwell) The code will now look for GMAO G5.2 inputs similar to the ones used in Edition2 processing on <i>magneto</i>. (Caldwell) Produced a 200807 Edition4 MOA at the SCF as requested by Qing Trepte. I had removed the files to increase disk space on SCF2. (Caldwell) 	
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> No new updates. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> Updating the Read program for the new Edition3 SYN1deg files. (Lock) Attended SHAW activities. (Lock) 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> Validating Ed4 SRBAVG by comparing with SSF1Deg Lite data. (Nguyen) Reported the differences in the ice and water cloud properties. (Nguyen) Reported the differences in snow/ice between Norman Loeb's SSF and SFC data. (Nguyen) Reran July 2006 Terra and Aqua flux-by-cloud to include the daily average option. (Nguyen) Reported to Moguo Sun the difference in Dave Doelling's and his constrain methods. (Nguyen) Investigating the causes of the differences in the slope and offset of a MET5 GGEO region with the use of two GGEO data sets. (Nguyen) 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> No new updates. (Raju) 	

Table 6. May 30, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> • SCCR 888/897 - Continued to work on Edition4 modifications to PGEs 9.2P3 – 9.4P3. (Raju) • Created a Flux-by-Cloud monthly averaging netCDF file. (Lock) • Provided compare plots between the Flux-by-Cloud Monthly Averaged netCDF file and the SYN1deg and SSF1deg data for scientist evaluation. (Lock) • Work continued on PCF/runscripts for PGEs 9.2P3 – 9.4P3. (Thomas Grepiotis, Raju) • As per Dave Doelling’s request, copied Edition2 ADM code from Su Wenying area. Separating the LW and SW code to work independently in TISA subsystems. (Raju) • Responding to Cathy Nguyen’s inquiries regarding her Norm Loeb’s SSF versus SFC. Checking SSFB footprints to determine the SFC data is consistent with the SSF input values. (Raju) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Work continued on checking the netCDF sample file and its format, paramters to see what are needed to process Edition4 GGEO. (Raju) • Responded to Chris Currey’s requests on MCIDAS binary read software and sent two versions of programs and the instructions on how to compile and execute software. (Raju) 	

Table 7. May 30, 2012 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Met with Reynold and Sean for feedback on Job Submittal Displays. (Key, Heckert, Coleman) • Coordinating with DBAs on PRDB Transition Plan. (Grune, Heckert, Coleman)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • The migrating of the CERES cloud working group site (Ricky Brown) and convolution (Walt Miller) continues. The Edition1A clouds data Web pages are working as intended. (Kizer, Heckert) • Minor modifications were made to the CERES Product Information pages to clarify where users may find product documentation. (Kizer)
CERES Ordering Tool (Chu/Mitrescu)	<ul style="list-style-type: none"> • A configuration issue was found in sciflo. A few orders failed and were resubmitted after the issue was fixed. They were delivered to the users successfully. (Chu & Mitrescu) • Since OT 2.2.x release, we provide more data sets and data files to the public. There have been more users visiting our Website. They either browse or order more data. It has been a stress test to OT and scifo. We have seen a couple of issues. We are still investigating the nature of the issues and finding workarounds. (Chu) <ul style="list-style-type: none"> ○ The tomcat servers complained about “too many opened files” after 3-4 week run. The servers stopped when this scenario occurred. It can be caused by files that were not closed properly or by flaws in JAVA’s garbage collection function. ○ The CERES 44 TB file disk stalled for some simple commands because of large orders (more 100 GB). • Release 2.2.3 was promoted to production. The new features are : (Chu & Mitrescu) <ul style="list-style-type: none"> ○ generate statistics files for all netCDF orders (through GetData or AddToCart buttons) in a dedicated Directory. All other statistics will still be managed in the old fashioned way. ○ fix wrapping and point orders for level2 data. This new feature has been promoted to the production by the ASDC. ○ fix minor problems (like satellite name for EBAF Surface and reset lat/lon values and improve upon the cron jobs) • EBAF TOA till Dec 2011 was generated (including diagnostic fields). (Mitrescu) • EBAF Surface with net fluxes was generated. (Mitrescu)

Table 7. May 30, 2012 – DM Tasks

Activity	Status
CERES Ordering Tool (Chu/ Mitrescu) (Cont'd)	<ul style="list-style-type: none">• SYN till Dec 2011 was generated.(Mitrescu)• Developing the feature of displaying anomaly fields for Monthly Gridded data. (Mitrescu)

Table 8. May 30, 2012 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none"><li data-bbox="472 296 1333 621">• Continued to monitor the receipt of NPP RDRs at the ASDC. Awaiting missing data from March 30 thru April 1. Since this data was processed on the factory IDPS, it was delivered after the 32 day retention period of SDS and teams have been asked to get the data directly from CLASS. Since all the teams that receive data from SDS have requested that the data be delivered via SDS, we are awaiting a decision from SDS on whether they will ingest this data and send, or if we will have to create a method to ingest through a different path. (Spivak)<li data-bbox="472 632 1333 884">• Working on an automated daily RDR report generator. Need to coordinate with the ASDC on where they want this report to be processed and whether the report should be available on the Web or only as text, which will be sent out via email. The software to create this report can be delivered to the ASDC for their use directly, or we can have this report created daily at the SCF. (Spivak)<li data-bbox="472 894 1333 961">• Monitored Discrepancy Report Action Team (DRAT) teleconferences. (Miller)<li data-bbox="472 972 1333 1039">• Attended NPP Science Team Meeting in Greenbelt, MD. (Miller)

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	Devel	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	Devel	16	Y	N	
CER1.4P3	N	N	N/A	Devel	16	Devel	16	Devel	N		
ERBE-like - 2	CER2.1P1	N	Y	16	Y	16	Devel	16	Y	N	
	CER2.2P1	N	Y	15	Y	16	Devel	16	Y	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	N	Y	16	Y	16	Devel	16	Y	N	
	CER2.3P2	N	Y	16	Y	16	Devel	16	Y	N	
ERBE-like - 3	CER2.4P1	N	Y	16	Y	16	Devel	16	Y	N	
	CER3.1P1	N	Y	16	Y	16	Devel	16	Y	N	
Clouds 4.1-4	CER3.2P1	N	Y	16	Y	16	Devel	16	Y	N	
	CER4.1-4.0P2	N	Y	15	N	N/A	N	N/A	n/a	N	Migration to AMI not in near future
	CER4.1-4.1P4	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV
	CER4.1-4.1P5	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV
	CER4.1-4.1P6	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P2	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV
	CER4.1-4.2P3	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV
	CER4.1-4.2P4	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P5	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Ed4 (P6), Migration to X86 not in near future
CER4.1-4.3P2	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2, Edition1-CV	
CER4.1-4.3P3	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Ed4 (P6), Migration to X86 not in near future	

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	N	N/A	N	N/A	n/a	n/a	Ed2 Terra Main
	CER4.5-6.1P3	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 Aqua Main
	CER4.5-6.1P4	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.2P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Subset postproc for Terra and Aqua (Ed4 version of 2P2)
	CER4.5-6.2P4	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed3 daily post-processor
	CER4.5-6.4P1	N	Y	16	N	N/A	N	N/A	n/a	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Devel	Monthly validation site (Ed4 for 4P1)
CER4.5-6.5P4	N	Y	16	N	N/A	N	N/A	n/a	n/a	IES-SSF Terra New PGE, Ed2 format	
CER4.5-6.5P5	N	Y	16	N	N/A	N	N/A	n/a	n/a	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	N	N/A	N	N/A	n/a	n/a	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	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER9.0P2	N	N	N/A	ValRx	16	N	N/A	ValRx	N	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N	N/A	ValRx	16	N	N/A	ValRx	N	ISCCP-D2like-MRG Main-processor
	CER9.1P1	N	Y	15	Devel	16	Devel	16	N	N	
	CER9.2P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	PGE for Edition3
	CER9.2P3	N	N	N/A	Devel	16	N	N/A	N	N	New PGE for Edition4
	CER9.3P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	PGE for Edition3
	CER9.3P3	N	N	N/A	Devel	16	N	N/A	N	N	New PGE for Edition4
	CER9.4P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	PGE for Edition3
TISA Avg - 10	CER9.4P3	N	N	N/A	Devel	16	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	16	Devel	16	n/a	n/a	
	CER11.2P2	N	Y	16	Devel	16	Devel	16	n/a	n/a	
	CER11.4P1	N	Y	16	Devel	16	Devel	16	n/a	n/a	
	CER11.6P1	N	Y	16	Devel	16	Devel	16	n/a	n/a	
	CER11.7P1	N	Y	16	Devel	16	Devel	16	N	N	
Regrid MOA - 12	CER12.1P1	N	Y	16	SSI&T	16	SSI&T	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 Implementation for each PGE