

March 7, 2012 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 03/07/12
Active Requests in order of priority as of 03/05/12**

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	AtLaunch	BDS/ ERBELike (SS1-3)	1.0P2, 1.1P8, 1.2P1, 1.4P1, 1.4P2, 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	Terra	Baseline1-QC	BDS/ES8	1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	
PM 8-11 thru 11-11	Aqua					
AM 12-11 thru 19-11	Terra	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P8 1.2P1 1.4P1 1.4P2 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	
PM 12-11 thru 19-11	Aqua					

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AM 1-11 to 7-11 PM 1-11 to 7-11	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	New PR for AMI processing
PR M 2-11 SCCR 753	CERES	DAO-G5- CERES	PMOA	9.1P1	Standing request	New PR to coordinate with new standing PR M 3-11
The PRs that follow are the Non-Standing PRs that can be processed						
PRs 179-10 thru181-10 SCCR 789	Terra	Edition3A	SFC	9.2P2, 9.3P2 9.4P2	3/00 – 10/05	In Progress Priority level 1
* PRs 111-10 thru 113-10 (partial – remainder) SCCR 789	Aqua XTrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	7/02 – 4/06 NOTE: Dates 7/02 thru 3/05 should only need to be processed at this point	In Progress – 4/05 thru 4/06 already processed Priority Level 1
PR 100-10 SCCR 794	FM3, FM4	Edition3A	SAH	5.0P2	7/02 – 3/05	Ready Priority Level 1
PR 182-10 SCCR 794	Terra	Edition3A	SAH	5.0P2	3/00 – 10/05	Ready Priority Level 1
PRs 17-12 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	In Progress Priority Level 1

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 73-11 thru 75-11 SCCRs 811, 791, 690	FM1, FM2	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	12/2/2010 – 1/1/11	Ready Complete thru 12/31/10 Priority Level 2
PRs 70-11 thru 72-11 SCCR 789	Terra Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	12/2/2010 – 1/1/11	Ready Complete thru 12/31/10 Priority Level 2
PRs 58-11 thru 56-11 SCCRs 812, 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	6/30/10 – 12/1/10 11/1/11	Ready FM3 Complete thru 12/31/10 Priority Level 2
PRs 62-11 thru 64-11 SCCR 789	Aqua Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/30/10 – 12/1/10 11/1/11	Ready Complete thru 12/31/10 Priority Level 2
PRs 161-11 thru 163-11	Terra	Edition3A	SFC	9.2P2, 9.3P2 9.4P2	1/06, 5/06, 6/06	Ready Priority Level 2
PR 6-11 SCCR 749	CERES	GMAO-G541-Ed4	MOA	12.1P2	2/28/2000 – 3/1/2010	In Progress Priority Level 2
PR 65-11 SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	7/10 – 11/10	Ready Priority Level 2
PR 69-11 SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	12/2010	Ready Priority Level 2
PR 68-11 SCCR 794	FM3 FM4	Edition3A	SAH	5.0P2	3/10 – 6/10	3 / In Progress. FM3 Complete Priority Level 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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	Ready 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	Ready Priority Level 3
PR 8-12 SCCR 794	Terra	Edition3A	SAH	5.0P2	1/11 – 8/11	Ready 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
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
PR 137-09 SCCR 746	FM1, FM2	Edition2A	ISCCP-D2like-Day/Nit	9.0P1	Launch thru 10/02	In Progress Priority Level 3
PR 136-09 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

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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 214-11 SCCR 804	Terra, Terra +Aqua	ValR1	SYNi	7.2.1P1	7/01 1/04 10/05 1/08 4/10	Complete. 2/29/12
PR 213-11 SCCR 795	Terra, Terra +Aqua	ValR1	SYN1deg	8.1.P1	7/01 1/04 10/05 1/08 4/10	Complete. 3/2/12
<p>**** The PRs that follow are on HOLD. They cannot be processed until the associated ValRx processing is approved. ****</p>						
PRs 208-11, 207-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	7/2002 – 4/2006	HOLD – PreProd- Pending ValRx App Priority 2
PRs 204-11, 203-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	1/2006 5/2006 – 12/2007	HOLD – PreProd- Pending ValRx App Priority 2
PRs 200-11, 199-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	12/ 2007 – 6/2010	HOLD – PreProd- Pending ValRx App Priority 2
PRs 196-11, 195-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	7/2010 - 12/2010	HOLD – PreProd- Pending ValRx App Priority 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 206-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	7/2002 – 4/2006	HOLD – PreProd- Pending ValRx Approval Priority 2
PR 202-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	1/2006 5/2006 – 12/2007	HOLD – PreProd- Pending ValRx Approval Priority 2
PR 198-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	12/ 2007 – 6/2010	HOLD – PreProd- Pending ValRx Approval Priority 2
PR 194-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	7/2010 - 2/2010	HOLD – PreProd- Pending ValRx Approval Priority 2
PR 207-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/2002 – 4/2006	HOLD – Prod- Pending ValRx Approval Priority 2
PR 201-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	1/2006 5/2006 – 12/2007	HOLD – Prod- Pending ValRx Approval Priority 2
PR 197-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	12/ 2007 – 6/2010	HOLD – Prod- Pending ValRx Approval Priority 2
PR 193-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/2010 - 12/2010	HOLD – Prod- Pending ValRx Approval Priority 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
<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 31-12 thru 45-12 PRs 29-11 thru 31-11 SCCR 763	Terra, Aqua	Beta1	ISCCP-D2like-Mrg	9.0P2 9.0P3	200107 200401 200404 200407 200410	HOLD –PreProd- Waiting for Promotion Priority Level 3
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- Waiting for 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- Waiting for Delivery Priority Level 3

Table 2. March 7, 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 Edition3 gains for Terra FM1 and FM2 for May 31, 2011, through Sept. 1, 2011, on <i>AMI-P</i> and provided them to the ASDC on February 7. (Ayers) • SCCR 884 – Installed and tested Perl_Lib on <i>AMI-P</i> and released it to the ASDC on February 24. (Ayers) • SCCR 882 – Installed, compiled, and tested Instrument PGE CER1.0P2 on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>, and released it to the ASDC on February 27. (Ayers) • SCCR 882 – Provided the updated Instrument Test Plan to the ASDC on February 27. (Saunders) • SCCR 885 – Installed this delta delivery on <i>AMI-P</i> and released it to the ASDC on February 29. (Ayers)
<i>AMI</i> Job Submission Scripts (AJSS)	Ayers (Grepitotis)	<ul style="list-style-type: none"> • Provided the job submission scripts to Clouds to test for their upcoming delivery. Made modifications based on feedback from Rita. (Hillyer) • Development continues on the scripts for the upcoming Inversion deliveries. (Hillyer)

Table 3. CERES Subsystem Delivery Schedule – March 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 875)	March 9	March 23	March 30	Edition4 updates for Inversion.			<i>magneto-P4, AMI-P6 & AMI-x86</i>
Perl_Lib (SCCR 886)	March 9	March 23	March 30				
Clouds (SCCR 809)	N/A	March 23	March 30	Redelivering the Edition4 code to <i>AMI-P</i> .			<i>AMI-P6</i>
Inversion (SCCR 814)	March 23	April 6	April 13	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)	April 13	April 27	May 4	Porting all ERBE-like PGEs to <i>x86</i> platform and standardizing exit codes.			<i>AMI-x86</i>
TISA Averaging		Spring 2012		Delivering the Flux-by-Cloud-Type code to <i>AMI-P</i> .			<i>AMI-P6</i>
Instrument (SCCR 877)		July 2012		Converting PGE CER1.3P3 to C++ creating new PGE CER1.4P3.		X	<i>AMI-P6 & AMI-x86</i>
Instrument (SCCR 878)		July 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>

Table 3. CERES Subsystem Delivery Schedule – March 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)
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 – March 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 February 21 at 12:00 p.m. – March 5 at 2:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
870				X		Inversion		
883				X		TISA Gridding		
884			X			Perl_Lib		
885	X		X			TISA Averaging	12	
886	X					Perl_Lib	13	

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

CERES Software Configuration Change Request Submittal

Subsystem: TISAavg8.0 SCCR Date & TIME: 2012-02-29 13:28:53 SCCR No.: 885

Parameter Change: () YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
Req# 8-30
Delta Delivery
Updated the CER8.1P1-SGE_Driver.pl to use the latest protocol for executing the SGE runs.

Reason for Change (non-Science):
Req# 8-30
Delta Delivery
Program will not run with the appropriate call to SGE.

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:
CER8.1P1

Estimated Time to Complete Change: 1 day
Planned Delivery Date: 2/29/12
List Affected Subsystems and PGE Names: None

Originator: LOCK, BETTY J. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: Perl_Lib SCCR Date & TIME: 2012-03-04 14:53:47 SCCR No.: 886

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Adding 'jobname' to values returned Log::Summary->getSubmitSuccesses().

Adding Proc::ProcessTable, Class::Inspector, and Class::Unload libraries to Perl_Lib.

Reason for Change (non-Science):

'jobname' is needed to get the SGE job name for jobs listed in AJSS summary files using the Log::Summary interface.

Proc::ProcessTable will be used to dynamically access and report process information, such as memory consumption.

Class::Unload and Class::Inspector will be used to dynamically load and unload Perl classes at runtime.

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: 3/16/2012

List Affected Subsystems and PGE Names: AMI PGEs

Originator: HILLYER, THOMAS N. (SSAI)

Table 6. March 7, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Grepitotis)	<ul style="list-style-type: none"> • Issue resolved with file reads in NetCDF-4 on Power 6. Required latest HDF5 (included with TK18) and NetCDF-4.1.3. (Hillyer) • Working on 'APPEND' file mode fix discovered by ERBE-like subsystem. (Hillyer) 	
CERES-lib	Grepitotis (Hillyer)	<ul style="list-style-type: none"> • SCCR 875 – Merged Inversion Edition4 updates from Victor Sothcott. (Hillyer) • Added new exit status codes to library. (Hillyer, Miller) • Building test version of GCC 4.6.3 (Ada, C, C++, Objective-C, Fortran). 4.6.3 failed nearly all tests in its test suite package. GCC 4.4.6 compiled correctly and passed ~95% of its test suites on the x86. Trying GCC 4.5.3 compiler series. (Hillyer, Wilkins) 	
Perl_Lib	Hillyer (Grepitotis)	<ul style="list-style-type: none"> • SCCR 884 – Delivered to CERES CM. (Hillyer) • SCCR 886 – Adding 'jobname' to Log::Summary module. Adding Proc::ProcessTable, Class::Inspector, and Class::Unload libraries to Perl_Lib. (Hillyer) 	
CERES Proc. System	Hillyer (Grepitotis)	<ul style="list-style-type: none"> • Attended meetings to discuss requirements, schedule, and implementation. (Hillyer, Wilkins, Grepitotis) • Diagramming design details for processing system. (Wilkins, Hillyer) • Building XML-RPC methods for process controller. (Hillyer, Wilkins) • Working on weight-based scheduling algorithm for DRMAA process scheduler. (Hillyer) • Tested Apache Java XML-RPC library communication with Perl RPC::XML library. (Wilkins, Hillyer) • Tunneled XML-RPC calls over SSH using JSch library to AMI. (Wilkins, Hillyer) • Investigated and tested JFreeChart graphing library for Java-based admin console. (Wilkins) 	

Table 6. March 7, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> • SCCR 882 – Delivered to CERES CM and released to SIT. The Operator’s Manual for this PGE was updated to include more information on all the available options for running the SGE_Driver script and examples of how to use these options. (Spivak) • SCCR 878 – Continue updates to CER1.1P8. The issue with the count conversion algorithm was investigated and found to be an issue with the spaceclamp threshold values for FM5, which may need to be set differently than the values used for TRMM/Terra/Aqua, which are the ones currently being used. (Grepitotis, Timcoe) • SCCR 877 – Convert the remaining Ada PGE CER1.3P3 to C++ (CER1.4P3). Work continues as time permits as processing and analysis of NPP data is the top priority at this time. (Grepitotis, Timcoe) • Continued monitoring the receipt of RDRs at the ASDC. (Cooper, Spivak) • Problem reports #78 and #184 for CER1.0P2 are still open. Updates being delivered on Friday should address both of these Problem Reports. (Hillyer, Spivak) • A possible issue with the conversion of the attitude data in CER1.0P2 is being investigated. It appears that the viewing zenith angle calculations in CER1.1P8 are backwards, which points to a possible issue in the attitude data being created in CER1.0P2. This issue was discovered while looking at data from a special pitch maneuver requested by VIIRS. (Hess, Spivak) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR 867 - Attempt to resolve ddbint execution problem within ERBE-like (i.e., using UPDATE_FILE) failed. Identified source as the lack of the 'APPEND' file mode in x86 version of Toolkit, which is based on F77 instead of F90. While Nelson gets around to a Toolkit upgrade, focus has been on exit code updates to CER2.3P1 and further fixes to CER2.2P1 scripts. Began robust testing of PCF generator. (Lande, Hillyer) 	

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SS No.	SS Lead	Status	Problems
2.0 (Cont'd)	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR 867 - Added 'if' statement to CER2.1P1 run script, so that the environment variable GFORTRAN_CONVERT_UNIT is set to "swap" when running on x86. (Walikainen) • SCCR 867 - Completed Robust Exit Code Test Cases document for all PGEs and sent to Tammy. (Lande, Walikainen) • Provided Science Team with first FM5 ERBE-like monthly data (Feb 2012). Compared SW and LW fluxes for FM5's ES4 with FM3's ES4. (Walikainen) • Discussed Aqua Edition3 Land versus Ocean bias since FM3 became primary Aqua instrument. This meeting with the Science Team will be a bi-weekly event, the next meeting being on March 8. (Walikainen) • Had updates made to the File Management Policy document in response to wrapper problems with \$\$\$2 for FM2 Edition3 processing of CER2.2P1, which applies as well to CER2.3P1/2. (Lande) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • CERES Dashboard – Completed example interface for entering an SCCR. (Heckert) • SCCR 809 - Processed validation results for Edition4. QC global images and statistics as well as differences were processed for Terra Edition4 and Terra Edition2 (200101, 200104, 200801, 200807, and 200810) and Aqua Edition4 and Aqua Edition2 (200801 and 200807). Results were posted on the Web. (R. Brown) • SSF global images and statistics were processed for Terra Edition2 and Aqua Edition2 from 201108 through 201111. Results were posted on the Web. (R. Brown) • SCCR 809 - Continued running Clouds Robust test cases. (Smith) • SCCR 809 - Improving Environment, Cleanup, and Validation scripts for Clouds PGEs. (Smith) • SCCR 809 - Created test Clouds PRs with PR Tool and made suggestions for improvements. (Smith) 	

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4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • SCCR 809 - Updating Clouds Test Plan and Operators Manual. (Smith) • Continue working CloudVis Daily product, mainly on the user interface portion. (Gibson) • SCCR 809 - Generated plots and stats with Ed4 MaskV2, MASKV3, and MASKV4 CERES cloud retrievals of selected MODIS data. Comparisons among MODIS-ST, CERES Del Ed2, and MaskV2 were done and all the results were posted on the Website. Images from pixel level on the fifteenth day of each month were on the Website too. (Chen) • SCCR 809 - Wrote a perl script to list the MODIS files missing (MOD or MYD 02, 03, and 04) on DPO but on archive. File lists for 2000 to 2011 of Terra and 2002 to 2011 of Aqua were produced. (Chen.) • SCCR 809 - Wrote a code to find out mismatch MODIS Aerosol data while MODIS GEO and RAD data matches. List of those Aerosol data for 2000 - 2011 of Terra were produced. (Chen) • Continue checking the daily ingest completion of VIMD and VAOT data on the /ASDC_archive. (Chen) • SCCR 809 - Worked on finding the cause of patching or blocking cloud temperatures. (Sun-Mack) • SCCR 809 - Worked on modifying the cloud retrieval code to calculate visible optical depth using CO2 IR optical depth over snow/ice surfaces. (Sun-Mack) • SCCR 809 - Processed many months of Terra and Aqua over years and seasons to make sure consistency of cloud mask. (Sun-Mack) • SCCR 809 - Coordinated and communicated between Clouds and the ASDC on missing and mismatch MODIS aerosol efforts. (Sun-Mack) • SCCR 809 - Changed the interface routine between the Clouds framework and CO2 slicing algorithm. Implemented the updated CO2 slicing retrieval. Debugged and found the cause of core-dump. (Sun-Mack) 	

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4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • SCCR 809 - Worked on many last issues raised by Pat before the Clouds Ed4 code was frozen. (Sun-Mack) • SCCR 809 - Clouds Ed4 (SCCR 809) was frozen at 3 p.m., February 29, 2012. Issues of core-dumped hours seem to be resolved by fixing asymptotes when doing spine fit. 48 core-dumped hours over three months (before the fix) were reduced to zero (after the fix). (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"> • SCCR 809 - Worked to implement exit codes in <code>ceres_status</code> and as an option for <code>WriteStatus</code>. (Miller) • SCCR 809 - Corrected some inconsistencies in convolution regarding stopping processing. (Miller) • SCCR 809 - Started testing various exit paths. (Miller) • Provided direction on converting ice radius to ice diameter for use in inversion using new conversion equation from Dr. Minnis. (Miller) • Provided information on how to convert SSF to a scan product for Mr. Doelling. (Miller) • Supported CERES Processing Tool meetings. (Miller) • Delivered sample 3D animations produced with Tecplot for review. (Antropov) • Finished the program to read NetCDF files and to produce 2D Tecplot data files. Imported 2D data images created with Tecplot to Google Earth to produce 3D animations. Delivered sample 3D animation produced with Google Earth for review. (Antropov) • 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 814 - Updated conversion equation for Ice Diameter to Ice Radius in the Edition4-Beta code. (Sothcott) • SCCR 814 - Continued work to update the Test Plan and Operator's Manual for Edition4-Beta. (Sothcott) 	

Table 6. March 7, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.5 (Cont'd)	Sothcott	<ul style="list-style-type: none"> Started testing the Inversion PR generation system. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Continuing development of Edition4 SAH maps for SYN and CRS PGEs. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> Reposting SYNI Lite files as requested by Betty Lock. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> No new updates. (Caldwell) 	
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> Comparing SCF and DAAC TSIB data. Providing plots of the differences to scientists. (Lock) Wrote program for the comparison of SCF and DAAC TSIB and to support the ValR1 validation. (Lock) Created the clear-sky maps and XGLB data for July 2006 and January 2007 and created PCF files for Michele Nordeen to continue to compare CERES and GERB TOA fluxes. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> Comparing DAAC and SCF SYN data for all the parameters. Providing plots of the differences to the scientists. (Lock) Wrote program to support the SYN ValR1 validation. (Lock) SCCR 885 – Updated the SGE script to use the latest protocol for executing the SGE runs. (Lock) Reran SYN1deg data with the updated SYNI data. (Lock) 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> Ran four months of 1986 nonGEO SRBAVG for Cristian to put the data on the ordering tool Website to support validation. (Nguyen) Validating nonGEO SRBAVG code. Ran the code with the new Edition4 SFCB. (Nguyen) 	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> No new updates. (Raju) 	
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> Supporting Dave Doelling in checking SSF inputs to the flux by cloud code. (Nguyen) Updated code to add the clear-sky footprints which were excluded in the previous code. (Nguyen) 	

Table 6. March 7, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0 (Cont'd)	Raju (Nguyen)	<ul style="list-style-type: none">• Continue to validate SFC data processed and written in GMT time. Few modifications were made to the code to correct a problem and reran Terra/Aqua July 2004 data at SCF. (Raju)• Work continued on Edition4 code. (Raju)	
11.0	Raju (Nguyen)	<ul style="list-style-type: none">• No new updates. (Raju)	

Table 7. March 7, 2012 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Plan on completing the PR testing this week. (Lock) • CERES PR Tool - worked on bug fixes and also a reorganization of the major classes used by the tool for future maintainability. (Heckert) • Modified PR spreadsheet to list all MOA and SNOW CC numbers for each affected PR instead of pointing to list of numbers. (Coleman) • Incorporating suggestions/corrections made by PR Generation Testers. (Grune, Heckert, Coleman) • Continued testing of PR generation application for Inversion and TISA PGEs. (Lock, Sothcott) • Developing Web ap and associated functions for populating logging database. (Hillyer, Grune, Heckert)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • Began working with Ed Kizer on migrating CERES CM pages from <i>lposun</i> to the Web cluster. (Heckert) • The CERES CM site on the Web cluster http://test-earth-www.larc.nasa.gov/cgi-bin/cerescm/mysql/cerescm.pl is progressing. Additional functionality testing continues to correct links and page views. (Kizer) • The connections from the Web cluster to the CM database were resolved. (Heckert) • Several files were modified to reflect the new Web directory structure. (Kizer, Heckert) • Several files were moved into the shared_data directory. (Kizer) • To ensure approximately 40Gigs of ggeo and tisa Web displayed files mounted via <i>warlock</i> were not lost, moved them to the Web cluster shared data directory. (Kizer)
Chungwei Chu & Cristian Mitrescu (CERES Ordering Tool)	<ul style="list-style-type: none"> • A set of new AVG data was generated for internal use on the ceres-subset8. (Mitrescu) • SSFlite-file-for-ERBE-on-NOAA-9 data sets were generated and modified for the OT accordingly. (Mitrescu) • The development for browsing SSF Level2 data continues. (Chu & Mitrescu) • Preparing for OT to be transferred behind the firewall, which includes sketching a plan and scheduling a meeting to coordinate the activities with the ASDC. It is scheduled to move the machines on March 6. (Chu & Mitrescu)

Table 8. March 7, 2012 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none">• Continuing to monitor the receipt of CERES RDRs and tracking any related issues. (Spivak)• Monitored Discrepancy Report Action Team (DRAT) teleconferences. (Miller)• Reviewed inputs for the NPP FM5 commissioning report. (Miller)• Attended telecon on endian strategy for IDPS when they change hardware in Block 1.5 (2014). (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	Comments
Instrument - 1	CER1.0P1	N	N	N/A	N	N/A	N	N/A	n/a	Will comply with all the latest whenever delivered
	CER1.0P2	N	N	N/A	Y	16	Y	16	Y	C++ RDR Pre-Processor
	CER1.1P8	N	N	N/A	Y	16	Devel	16	Y	C++ NPP, Terra, Aqua
	CER1.2P1	N	N	N/A	Y	16	Y	16	Y	C code, NPP capable.
	CER1.3P3	N	N	N/A	N	N/A	Y	16	Y	Replace with CER1.4P3 on P6
	CER1.4P1	N	N	N/A	Y	16	Y	16	Y	
	CER1.4P2	N	N	N/A	Y	16	Devel	16	Y	
	CER1.4P3	N	N	N/A	Devel	16	Devel	16	Devel	
ERBE-like - 2	CER2.1P1	N	Y	16	Y	16	Devel	16	Y	
	CER2.2P1	N	Y	15	Y	16	Devel	16	Y	Compile HDF with TK 15, run with TK 16
	CER2.3P1	N	Y	16	Y	16	Devel	16	Y	
	CER2.3P2	N	Y	16	Y	16	Devel	16	Y	
	CER2.4P1	N	Y	16	Y	16	Devel	16	Y	
ERBE-like - 3	CER3.1P1	N	Y	16	Y	16	Devel	16	Y	
	CER3.2P1	N	Y	16	Y	16	Devel	16	Y	

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	Comments
Clouds 4.1-4	CER4.1-4.0P2	N	Y	15	N	N/A	N	N/A	n/a	Migration to AMI not in near future
	CER4.1-4.1P4	N	Y	16	N	N/A	N	N/A	n/a	<i>warlock</i> version recompiled for 2008 Edition2, Possibly use P4 for 3/10 forward
	CER4.1-4.1P5	N	Y	16	N	N/A	N	N/A	n/a	<i>warlock</i> version recompiled for 2008 Edition2, Use P4 for 3/10 forward
	CER4.1-4.1P6	N	N	N/A	Devel	16	N	N/A	Devel	Beta2-Ed3 (P4), Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P2	N	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P3	N	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P4	N	N	N/A	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future
	CER4.1-4.2P5	N	N	N/A	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future
	CER4.1-4.3P2	N	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.3P3	N	N	N/A	Devel	16	N	N/A	Devel	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future
Inversion/SOF A 4.5-6	CER4.5-6.1P2	N	Y	16	N	N/A	N	N/A	n/a	Ed2 Terra Main
	CER4.5-6.1P3	N	Y	15	N	N/A	N	N/A	n/a	Ed2 Aqua Main
	CER4.5-6.1P4	N	N	N/A	Devel	16	N	N/A	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	N	N/A	Devel	16	N	N/A	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.2P2	N	Y	15	N	N/A	N	N/A	n/a	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	N	N/A	Devel	16	N	N/A	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	Ed3 daily post-processor
	CER4.5-6.4P1	N	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	N	N/A	Devel	16	N	N/A	Devel	Monthly validation site (Ed4 for 4P1)
	CER4.5-6.5P2	N	N	N/A	N	N/A	N	N/A	n/a	IES-SSF Terra New PGE, Ed4 format
	CER4.5-6.5P3	N	N	N/A	N	N/A	N	N/A	n/a	IES-SSF Aqua New PGE, Ed4 format
	CER4.5-6.5P4	N	Y	16	N	N/A	N	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	IES-SSF Aqua New PGE, Ed2 format

Table 1: PGE Current Events Status Table

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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	Comments
SARB - 5	CER5.0P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER5.0P2	N	Y	15	N	N/A	N	N/A	n/a	Ed2/Ed3
	CER5.1P1	N	Y	16	N	N/A	N	N/A	n/a	Ed2 only
	CER5.1P2	N	ValRx	16	N	N/A	N	N/A	n/a	Ed2 only
	CER5.1P3	N	N	N/A	Devel	16	Devel	16	N	New PGE - Edition4 Main for Terra and Aqua
	CER5.4P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER5.4P2	N	Y	16	N	N/A	N	N/A	n/a	Ed2 only
TISA Grid - 6	CER6.1P1	N	Y	15	N	N/A	Devel	16	n/a	Ed2 only
	CER6.2P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER6.3P1	N	Y	15	N	N/A	N	N	n/a	Ed2 only
TISA Avg - 7.1	CER7.1.1P1	N	Y	15	N	N/A	N	N/A	n/a	
	CER7.3.1P1	N	Y	16	SSI&T	16	N	N/A	SSI&T	New PGE for Edition3
SARB - 7.2	CER7.2.1P1	N	Y	16	N	N/A	SSI&T	16	SSI&T	P4 only Ed2 for now, X86 for Ed2 and Ed3
TISA Avg - 8	CER8.1P1	N	Y	15	Y	16	N	N/A	Y	Migrate to AMI for Ed3
TISA Grid - 9	CER9.0P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.0P2	N	N	N/A	SSI&T	16	N	N/A	SSI&T	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N	N/A	SSI&T	16	N	N/A	SSI&T	ISCCP-D2like-MRG Main-processor
	CER9.1P1	N	Y	15	Devel	16	Devel	16	N	
	CER9.2P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.2P2	N	Y	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.3P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.3P2	N	Y	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.4P1	N	Y	15	N	N/A	N	N/A	n/a	Ed2 only
CER9.4P2	N	Y	16	N	N/A	N	N/A	n/a	New PGE for Edition3	
TISA Avg - 10	CER10.0P3	N	Y	16	SSI&T	16	N	N/A	Devel	New PGE for Edition3

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	Comments
GGEO - 11	CER11.1P10	N	Y	16	Devel	16	Devel	16	N	
	CER11.2P2	N	Y	16	Devel	16	Devel	16	N	
	CER11.4P1	N	Y	16	Devel	16	Devel	16	N	
	CER11.6P1	N	Y	16	Devel	16	Devel	16	N	
	CER11.7P1	N	Y	16	Devel	16	Devel	16	N	
Regrid MOA - 12	CER12.1P1	N	Y	16	Y	16	Y	16	Y	Edition 2/3
	CER12.1P2	N	N	N/A	Y	16	Y	16	Y	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	SGI	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	