

April 13, 2011 - System Issues and Status

**Table 1: Process Strategy/Coleman for 4/13/11
Active Requests in order of priority as of 4/11/11**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
M-PR 3-02		NSIDC- NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	
M-PR 1-09		NSIDC- NESDIS	EICE ESNOW 16 th mesh	4.1-4.0P2	Standing Request	
AM- PR 6-05, 7-05, and 1-10 to 4-10	Terra	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	The ERBE-like PRs AM 1-10 thru 4-10 replace standing requests AM- 2-05 thru 5-05.
PM-PRs 16-05, 18-05, 2-10, 4-10, 6-10, 8-10	FM3	Edition1-CV	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	The ERBE-like PRs PM 2-10, 4-10, 6-10, & 8-10 replace standing requests PM-PRs 17-05 & 15-05.
PM-PRs 11-05 to 14-05 1-10, 3-10, 5-10, 7-10	FM4	Ed1-CV- NoSW	BDS/ ERBElike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	The ERBE-like PRs 1-10, 3-10, 5-10, & 7-10 replace standing requests PM-PRs 11-05 & 13-05

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
M-PR 2-10 PR M 1-11 SCCR 830	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	** NEW Standing PR Number – Delta delivery due to GMAO filename change (from “200” series to “201” series)
PR M 1-10 SCCR 753	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	
PRs 25-11 thru 28-11 SCCRs 831, 693	FM3 FM4	Edition1-CV Ed1-CV- NoSW	SSFI	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	6/30/10 – 1/1/11	In Progress Priority Level 1
PRs 19-11 thru 24-11 SCCRs 829, 690	FM3 FM4	Edition1-CV Ed1-CV- NoSW	SSF	4.5-6.2P2 4.5-6.4P1 4.5-6.1P3	6/30/10 – 1/1/11	In Progress Priority Level 1
PRs 49-11, 50-11	FM1, FM2	Edition3	BDS, IES	1.2P1 1.3P3	3/2/10 – 12/1/10	Ready Priority Level 1
PR 48-11 SCCR 727	FM1, FM2	Edition3	SCCD/ SCCN	2.4P1	3/10 – 11/10	Ready Priority Level 1
PRs 51-11, 52-11	FM3, FM4	Edition3	BDS, IES	1.2P1 1.3P3	3/2/10 – 12/1/10	Ready Priority Level 1
PRs 185-10 thru 187-10 SCCR 782	Terra	ValR15 (for Ed1-CV)	SSF	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	12/07	Ready Priority Level 2
PR 47-09 SCCR 685	FM3, FM4	Edition2D/ Ed2D-NoSW	SFC	9.2P1 9.3P1 9.4P1	11/30/07 - 3/1/10 7/1/10	In Progress NOTE: Dates through 4/10 complete Priority Level 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 36-11 thru 38-11 SCCRs 811, 791, 690	FM1, FM2	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	3/2/2010 – 7/1/2010	Ready Priority Level 2
PRs 44-11 thru 42-11 SCCR 789	Terra Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	3/2/2010 – 7/1/2010	Ready Priority Level 2
PRs 53-11 thru 55-11 (PRs in devel) SCCRs 811, 791, 690	FM1, FM2	Edition3A	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	6/30/2010 – 12/1/2010	Ready Priority Level 2
PRs 61-11 thru 59-11 (PRs in devel) SCCR 789	Terra Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/30/2010 – 12/1/2010	Ready Priority Level 2
PRs 176-10 thru 182-10 (Excel Only) SCCRs 811, 791, 690, 789, 794	Terra	Edition3A	SSF, SFC, SAH	4.5-6.5P4 4.5-6.2P2 4.5-6.4P1 5.0P2 9.2P2, 9.3P2 9.4P2	3/00 – 10/05	Ready. Priority Level 2
PRs 84-10, 76-10, 92-10 SCCRs 812, 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	7/2/02 – 3/30/05	Ready Priority Level 2

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Active Requests in order of priority as of 4/11/11**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
* 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	Ready – 4/05 thru 4/06 already processed Priority Level 2
PR 100-10 SCCR 794	FM3, FM4	Edition3A	SAH	5.0P2	7/02 – 3/05	Ready Priority Level 2
PRs 66/67/68-10, SCCR 781	FM1	Edition2G	CRS	5.0P1 5.1P1 5.4P1	12/1/07 – 2/28/10 6/30/10	Ready NOTE: Dates through 5/10 complete Priority Level 3
PRs 63/64/65-10 SCCR 685	FM1	Edition2G	FSW	6.1P1 6.2P1 6.3P1	12/1/07 – 2/28/10 6/30/10	Ready. NOTE: Dates through 3/1/10 complete Priority Level 3
PRs 9-10 thru 10-10 SCCR 650	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	3/2000 – 10/05	Ready. Priority Level 3
PRs 7-10 thru 8-10 SCCR 650	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	7/2002 – 10/05	Ready. Priority Level 3
PRs 5-10 thru 6-10 SCCR 650	FM1, FM2	Edition2E	SRBAVG	10.0P1, 10.0P2	11/05 – 2/10	Ready. Priority Level 3
PRs 3-10 thru 4-10 SCCR 650	FM3, FM4	Edition2B	SRBAVG	10.0P1, 10.0P2	11/05 – 2/10	Ready. Priority Level 3

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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
PRs 136-09, 137-09 SCCR 746	FM1, FM2, FM3, FM4	Edition2A	ISCCP- D2like- Day/Nit	9.0P1	Launch thru 10/02	Ready. Priority Level 3
PRs 194-10 thru 201-10, and 20-10 thru 22-10, 32-10 thru 35-10	FM1, FM2, FM3, FM4	ValR17, ValR17-Ed2, ValR17-Ed3	BDS	1.1P5 1.2P1 1.3Px	Selected dates	Completed. 3/23/11, 3/30/11
<p>**** The PRs that follow are on HOLD. They cannot be processed until the necessary input data are available. ****</p>						
PR 16-11 SCCR 747	FM5	PreLaunch		1.0P2	9/6/10 – 9/8/10	Hold. Waiting for input data Priority 2 – NCT3
PR 33-11 SCCR 747	FM5	PreLaunch	BDS	1.1P8	9/6/10 – 9/8/10	Hold. Waiting for input data Priority 2 – NCT3
PR 34-11 SCCR 747	FM5	PreLaunch	PRES8	1.2P1	9/6/10 – 9/8/10	Hold. Waiting for input data Priority 2 – NCT3
PR 35-11 SCCR 734	FM5	Prelaunch	ES8	2.2P1	9/6/10 – 9/8/10	Hold. Waiting for input data Priority 2 – NCT3

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 41-11 thru 39-11 SCCRs 812, 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	3/2/10 – 7/1/10	Hold – waiting for input data (SCC) Priority 2
PRs 47-11 thru 45-11 SCCR 789	Aqua Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	3/2/10 – 7/1/10	Hold – waiting for input data Priority 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	Hold – waiting for input data (SCC) Priority 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	Hold – waiting for input data Priority 2
<p>**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-operational testing and been promoted ****</p>						
PRs 29-11 thru 31-11 SCCR 763	Terra, Aqua	Beta1	ISCCP-D2like-Mrg	9.0P2 9.0P3	200107 200401 200404 200407 200410	HOLD -Waiting for Promotion Priority Level 3
PRs 17-11, 18-11 SCCR 756	FM1, FM2, FM3, FM4	ValR17		1.4P1	3/31/00 (Terra) 9/30/02 (Aqua) 11/30/04 (Both) 4/30/09 (Both)	HOLD -Waiting for Promotion Priority Level 3
PRs 14-11 thru 15-11 SCCR 770	FM1, FM2, FM3, FM4	Edition1-CV		1.4P2	3/31/00 (Terra) 9/30/02 (Aqua) 11/30/04 (Both) 4/30/09 (Both)	HOLD -Waiting for Promotion Priority Level 3

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 164-10 thru 169-10	Merged	Edition3A	TSI	10.0P3, 7.3.1P1	7/02 - 2/10	HOLD – Waiting for software delivery Priority Level 2
PRs 188-10 thru 191-10 SCCR 795	Merged	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/02 – 12/07	HOLD -Waiting for Promotion Priority Level 3
PRs 16-10 SCCR 749	CERES	ValR4x86- Ed3	MOA	12.1P2	7/04	HOLD -Waiting for Promotion Priority Level 2
PR 15-10 SCCR 749	CERES	ValR4p6-Ed3	MOA	12.1P2	7/04	HOLD -Waiting for Promotion Priority Level 2
PR 37-10 SCCR 749	CERES	ValR4x86- Ed2	MOA	12.1P1	7/04	HOLD -Waiting for Promotion Priority Level 2
PR 36-10 SCCR 749	CERES	ValR4p6-Ed2	MOA	12.1P1	7/04	HOLD -Waiting for Promotion Priority Level 2
PR 6-11 SCCR 749	CERES		MOA	12.1P2	2/28/2000 – 3/1/2010	HOLD -Waiting for Promotion Priority Level 2
**** PRs to be written ****						
	FM2, FM4	Edition3A	SSF, SAH	4.5-6.5P4 4.5-6.5P5 4.5-6.2P2 4.5-6.4P1 5.0P2	FM2: 3/06 - 3/1/10 FM4: 4/05 - 3/1/10	

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
	FM1 FM2	Edition3A	SSF	Clouds, Inversion	6/30/10 – 1/1/11	Using Edition1-CV based inputs
	FM3 FM4	Edition3A	SSF	Clouds, Inversion	6/30/10 – 1/1/11	Using Edition1-CV based inputs
	FM1 FM2	Beta1-Ed4	SSF	Clouds, Inversion	2/28/00 – 2/1/01	Begin with months hat we have latest GMAO data for
	FM3 FM4	Beta1-Ed4	SSF	Clouds, Inversion		

Table 2. April 13, 2011 - 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 839 – Installed the Instrument delta delivery on <i>AMI-P</i> and provided it to the ASDC on April 1. (Ayers) • SCCR 840 – Installed and tested Perl_Lib on <i>AMI-P</i> and released it to the ASDC on April 1. (Ayers) • SCCR 756 – Installed the updated SGE Driver script for Instrument PGE CER4.1P1 on <i>AMI-P</i> in response to CERES Software Problem Report 148. (Ayers) • SCCR 770 – Installed the updated SGE Driver script for Instrument PGE CER4.1P2 on <i>AMI-P</i> in response to CERES Software Problem Report 149. (Ayers) • SCCR 839 – Installed the updated SGE Driver script for Instrument PGE CER1.3P1 on <i>AMI-P</i> in response to CERES Software Problem Reports 150 and 151. (Ayers) • SCCR 844 - Installed and tested Perl_Lib on <i>AMI-P</i> and released it to the ASDC on April 8. (Ayers) • SCCR 809 – Testing the Clouds delivery on <i>AMI-P</i>. (Ayers) • Installed the Edition3 gains for Terra FM1 and FM2 and Aqua FM3 and FM4 for March 1, 2010, through December 1, 2010, on <i>warlock</i> and <i>AMI-P</i>, and released them to the ASDC on April 4. (Ayers) • Installed the Edition3 spectral response function files for Terra FM1 and FM2 for March 1, 2010, through November 30, 2010, on <i>magneto</i> and <i>AMI-P</i>, and released them to the ASDC on April 5. (Ayers) • Updated the Perl_Lib information in the Promoted Directories document and provided it to the ASDC. (Ayers) • Installed the updated Edition3 spectral response function files for Terra FM2 for March 1, 2010, through November 30, 2010, on <i>magneto</i> and <i>AMI-P</i>, and released them to the ASDC on April 11. (Ayers)
<i>AMI</i> Job Submission Scripts	Ayers (Grepitotis)	<ul style="list-style-type: none"> • Development continues on the scripts for the upcoming ERBE-like and Inversion deliveries. (Grepitotis, Hillyer)

Table 3. CERES Subsystem Delivery Schedule – April 2011
(CERES Science Team Meeting: April 26 – 28, 2011, in Newport News, VA)
(NPP Launch Date: October 18, 2011)

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 763)	October 15	October 29 In CM Queue awaiting updates	November 5	Beta1–Edition2 delivery of 2 new PGEs (CER9.0P2 & CER9.0P3) for new ISCCP-D2like-Mrg product. [All ISCCP-D2like HDF products will have the same format.]		X	<i>AMI-P6</i>
CERESlib (SCCR 827)	February 18	March 4 In CM Queue	March 11	Clouds updates.			<i>AMI-P6, AMI-x86, & magneto-P4</i>
Clouds (SCCR 809)	February 18	March 4 In CM Queue	March 11	Terra and Aqua Beta1-Edition4 . PGEs CER4.1-4.1P6, CER4.1-4.2P5, CER4.1-4.2P4, and CER4.1-4.3P3.			<i>AMI-P6</i>
Inversion (SCCR 814)	March 18	April 1	April 8	Terra and Aqua Beta1-Edition4 . PGEs CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3 and CER4.5-6.4P2.			<i>AMI-P6</i>
TISA Averaging (SCCR 833)	February 28	April 8	April 15	Corrections and updates to SCCR 796.			<i>magneto-P4</i>
TISA Gridding (SCCR 837)	March 11	April 8	April 15	Corrections to SCCR 746.			<i>magneto-P4</i>
ERBE-like (SCCR 740)	April 1	April 15	April 22	Delivery of all ERBE-like PGEs to <i>AMI</i> . (Edition2/Edition3)			<i>AMI-P6</i>

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(NPP Launch Date: October 18, 2011)**

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 838)	April 8	April 22	April 29	Correction for the radiance and double drift corrected count values.			AMI-P6
Instrument (SCCR 843)		After NCT 3 Part II		Fix problem with Gimbal and Memory Dump data output from CER1.1P1, 3, 5, & 7.			AMI-P6
Instrument (SCCR 842)	April 22	May 6	May 13	Fix issues discovered in NCT 3 Part II.			AMI-P6 & AMI-x86
TISA Gridding (SCCR 765)	May 13	May 27	June 3	Beta1-Edition2 ISCCP-D2like-FlxDay/Nit (PGEs CER9.5P1 & CER9.5P2).		X	AMI-P6
Instantaneous SARB		Spring		Beta1-Edition4 CRS.			AMI-P6 & AMI-x86
GGEO		Summer		Beta1-Edition4 GGEO delivery.			AMI-P6
Instrument (SCCR 641)		???		Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1.		X	magneto-P4

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 – April 2011

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 March 31 at 12:00 p.m. – April 11 at 5:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
740			X			ERBE-like		
823			X			Inversion		
837			X			TISA Gridding		
839			X			Instrument		
840			X	X		Perl_Lib		
842			X			Instrument		
843			X			Instrument		
844	X	X	X	X		Perl_Lib	14	

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

CERES Software Configuration Change Request Submittal

=====

Subsystem: Perl_Lib

SCCR Date: 04/04/2011

SCCR Number: 844

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Adding Log::Summary class to Perl_Lib to provide routines for writing and reading submission log files.

Adding 'test_suites/Test_Submission_Summary.pl' to test routines in Log::Summary.

Reason for Change (non-Science):

Developers and operators need a summary log file to capture the status of instances submitted to Sun Grid Engine through the AMI Job Submission Scripts. The summary file will report the command used to launch the SGE_Driver, the directory which the SGE_Driver was called, the timestamp to which the log was created, and a list of the status of the instances which were attempted to submit. The statuses are successfully submitted, failed due to Sun Grid Engine failure, failed due to missing inputs, and failed due to existing outputs. The information in the summary can be further used to examine and report the progress of Sun Grid Engine instances launched with the SGE_Driver.

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

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem: N/A

Estimated Time to Complete Change: 1 Day

Planned Delivery Date: 4/4/2011

List Affected Subsystems and PGE Names: All AMI PGEs

Date: 04/04/2011

Status: Submitted

Originator: HILLYER, THOMAS N. (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 844:

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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):
CheckForExecutables has been updated to accept the requested platform to check and to return a list of missing binary executables.

Reason for Change (non-Science):
CheckForExecutables should return a list of the missing executables instead of true/false that an executable is missing.
This can be used for multi-platform PGEs such that binaries missing for other architectures are not preventing jobs from running on architectures which the binaries do exist.

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

Reason for Parameter Change:
N/A

Affected PGEs in this Subsystem: N/A

Estimated Time to Complete Change: 1 Day
Planned Delivery Date: 4/8/2011
List Affected Subsystems and PGE Names: All AMI PGEs

Date & Time: 2011-04-08 14:42:48

Originator: HILLYER, THOMAS N. (SSAI)

Table 6. April 13, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Grepitotis)	<ul style="list-style-type: none"> • Attended HDF Briefing in Riverdale, MD. (Hillyer) • Problem with IDL and HDF4 files created in long named directories identified. Workaround for view_hdf has been written and currently available for testing. (Hillyer) 	
CERES-lib	Grepitotis (Hillyer)	<ul style="list-style-type: none"> • Nothing to report. (Hillyer) 	
Perl_Lib	Hillyer (Grepitotis)	<ul style="list-style-type: none"> • SCCR 844 - Added Log::Summary module to read and write submission summary files. (Hillyer) • SCCR 844 - Added functionality to report list of missing executables to the calling routine. (Grepitotis) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> • SCCR 843 – A possible fix for the memory dump byte ordering has been made and is being tested. (Cooper, Grepitotis, Timcoe) • SCCR 842 – A fix for the issues discovered during NCT 3 Part II pre-test has been made and is being tested before a delivery after NCT 3 Part II is complete. (Cooper, Spivak) • SCCR 839 – The delta delivery was delivered to CM. A couple of minor issues were discovered during SIT and have been updated. (Cooper) • SCCR 770 – SIT is waiting for updated PRs. The original PRs contained problems and are being rewritten. (Cooper) • SCCR 756 – SIT is waiting for updated PRs. The original PRs contained problems and are being rewritten. (Cooper) • SCCR 716 – ValR17s are being evaluated. A problem with the comparison of early Aqua Edition1-CV vs. ValR17 has been uncovered. Attempting to determine which set of data has the issue, Edition1-CV or ValR17. It appears that not all the data was staged for one of the runs. (Cooper) • Continue supporting NCT 3 Phase II pre-test data processing and evaluation. (Cooper, Spivak) 	

Table 6. April 13, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
		<ul style="list-style-type: none"> • Attended the HDF Workshop in Greenbelt MD. (Hillyer, Spivak) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Delivered latest Terra Ed3 spectral response functions [Mar thru Nov 2010] and wrote PR 48-11 to create the corresponding SCCs. (Walikainen & Lande) • SCCR 740 - Updated Operator's Manual for PGEs 2.1P1 & 2.4P1. Also, upgraded to AMI/SGE sections for CER3.1/3.2. (Walikainen & Lande) • SCCR 740 - Successfully robust tested CER2.3P1/P2 after CER2.3P2 PCF generator upgrade. Also, updated PGE env hashes with latest variables and hidden executables for CER2.2/2.3/3.1/3.2. (Lande) • SCCR 740 - Successfully began robust testing of daily PGE CER2.2P1 after SGE driver fixes to allow date range jobs. Attempt to do the same with monthly PGE CER2.3P1 was unsuccessful. (Lande) • Learned how to update the PR Revision History records and revised the directions for doing so. Modified CER1.4P1/2 ValR PRs (14/15/17/18-11) according to Denise's instructions and wrote new PRs for production processing of Terra/Aqua Ed3 gains from 3/2/10 to 12/1/10. (Lande) • Examined ValR17 PRES8s. This involved creating ES8Ns and comparing with archived Edition1-CV ES8Ns. (Walikainen) • Provided Edition2 vs. Edition3 Beginning-of-Mission analysis for Science Team. (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"> • CERES STM Effort: Modified all post-processing codes to work on AMI. (Smith) • CERES STM effort: Began running Edition 4 QC through post-processing and posting results on Web. (Smith) • SCCR 809 - Making updates to Clouds delivery items as needed. (Smith) 	

Table 6. April 13, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
		<ul style="list-style-type: none"> • Working on generating clear sky overhead albedo maps with snow free and snow cover for 0.6, 0.8 using six months of CloudVis data. (Chen) • FTPed the files and codes to my Mac machines to prepare for the shutdown. (Chen) • CERES STM Effort: Generated the images of Ed4 cloud retrievals from Jan and Feb 2008 Terra and Aqua using IBMdx for upcoming science team meeting. (Chen) • Submitted an abstract "Clear-Sky Narrowband Albedo Datasets Derived from MODIS Data" for the meeting in Lanzhou. (Chen) • Start getting the VIIRS data for NCT3. (Chen) • CERES STM Effort: QC global images and statistics for Aqua and Terra Edition4 were produced from 200801 through 200806. QC global images for Edition2 (Aqua and Terra) for corresponding dates were also produced as well as differences with Edition 4 results. Results were posted on the Web. (R. Brown) • SCCR 809 – Communicated as needed for SCCR testing. (Sun-Mack) • Communicated and looked into NCT3 subsetted data as well as inputs to the subsetter during NCT3 testing, to see the status, gaps. (Sun-Mack) • Wrote an abstract and submitted to ISALSaRS. (Sun-Mack) • CERES STM Effort: Continuing processing and monitoring the SCF processing. Communicated with the subsystems that use these data to develop their Edition 4 algorithms. (Sun-Mack) • CERES STM Effort: Post-processed SCF Edition4 and validated the updated clear sky maps for SCF for snow-covered and snow-free scenes for 0.6, 1.24, 1.6 and 2.1 um bands. (Sun-Mack) • CERES STM Effort: Validated SCF Ed4 monthly means as well as pixel level MODIS. (Sun-Mack) 	

Table 6. April 13, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
		<ul style="list-style-type: none"> • Several others offline requests from Pat Minnis. (Sun-Mack) • CERES STM Effort: Started making difference images for Eff Optical Depth and Eff Cld Height using new code for Science Team Meeting. (Gibson) • Working on memory issues that have come up with this 2 file code and also batch issues with regard to looping (Sequencer or slab). (Gibson) 	
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"> • Updated IDL code to deseasonalize data for plotting NB-BB. (Miller) • Completed updates to convolution web pages for displaying NB-BB graphics. (Miller) • Prepared and presented a briefing on how multilayer clouds are represented on the SSF. (Miller) (Edition4) • Worked on the program to introduce new GRing construction algorithm - reviewed the code and fixed bugs. (Antropov) (Edition4) 	
4.5	Sothcott	<ul style="list-style-type: none"> • SCCR 814 - Running 3 months of FM1 and FM3 data that was provided by the Clouds group. This data is being used by SARB, SOFA and the ADM group for analysis of various Edition4-Beta1 issues. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> • Ran requested months of Edition3 SYNI to debug TSIB issues. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • Assisted Jose Fernandez in adapting offline MERRA MOA to use alterate aerosol sources. (Caldwell) • Developing IDL plotting code for validation of Edition4 MOA files. (Caldwell) 	

Table 6. April 13, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> • SCCR 833 – Ran 2005 through 2009 TSIBs and used the check for error program to find errors. Correct the LW halfsine fit. (Nguyen) • SCCR 833 - Preparing for the delivery. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> • Providing Dave Doelling with plots as requested. (Lock) • Ran SS8 with TSIB Edition3A data. Provided validation plots on the Edition3A data. (Lock) 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> • Provided job ID of the SGE jobs with output data disappeared to SA for investigation. (Nguyen) • Corrected the daily and clear-sky SW fluxes and reran all Terra and Aqua SSF and SYN 1deg Lite data. (Nguyen) • Running SRBAVG with 1-hr GGEO data for Dave Doelling’s GGEO validation for the Senior Review. (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"> • SCCR 837 – Implemented Optical Depth code changes into PGE 9.0P1 software. Processed 03/00 – 06/2010 Terra and 07/2002 – 06/2010 Aqua data through PGE 9.0P1 at SCF. Waiting for TISA science team approval for PGE delivery to CERES CM. (Raju) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Updated MTSAT-2 IR coefficients according to Dave Doelling requests. Updated clear-sky-albedo correction factors for MTSAT2 to correct the problem found in cloud area percentages. Processed 07/2010 – 10/2010 MTS2 data through GGEO PGEs. (Raju) • Several MET5, MET7 outputs were created using native Vs. MCIDAS GGEO and sent them to Dave Doelling to find the cause for MTS7 time differences in 2010 months. The reason is that GGEO code is set to adjust image time by half hour to correct the problem found in the MET5, MET7 MCIDAS input files. This problem was recently corrected in Doug Spengenberg’s program starting from September 	

Table 6. April 13, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
		2010 data and TISA was not notified the corrections. This tend to cause time differences for MET7. PGE CER11.1P10 code was updated and processed 09/2010 – 12/2010 MET7 data. Web plots were checked and months were ran through CER11.6P1 to remove bad scan data. All GGEO/GGEOW files up to 12/2010 were made available to TISA Averaging. (Raju)	

Table 7. April 13, 2011 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Continuing development of the PR Tool. (Heckert) • Continuing to include user feedback into PR Database structure and web displays. (Heckert, Grune) • Working on log-in web pages and password changing utility. (Heckert) • Updating Operational Concepts draft with PR status/PR life cycle information. (Coleman) • Designing approach for capturing information for and populating logging database. (Magill, Grepitotis, Hillyer)
Ordering Tool (Kizer)	<ul style="list-style-type: none"> • Identified and helped correct an issue that was slowing the loading of the Google Map page. (Heckert) • Modified the Terra/Aqua Imagery Viewer to allow viewing of Edition4 images. (Heckert) • Working on improvements to several CERES Website pages including a page displaying Product Availability Status by Edition and new functionality for the Product Info pages. (Heckert)

Table 8. April 13, 2011 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none">• NCT 3 Part II pre-test data has been processed using the existing code on <i>AMI-P</i>. Issues related to attempting to process Telemetry RDRs, incorrect metadata in the BDS, which affects the Pre-ES8 creation are being worked. The updates will be delivered after the completion of NCT3 Part II. (Cooper, Spivak)

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	SSI&T	16	SSI&T	16	SSI&T	C++ RDR Pre-Processor
	CER1.1P1	Y	N	N/A	N	N/A	ValRx	16	ValRx	To be disabled when C++ working- CER1.1P8
	CER1.1P3	Y	N	N/A	N	N/A	ValRx	16	ValRx	To be disabled when C++ working- CER1.1P8
	CER1.1P5	Y	N	N/A	N	N/A	ValRx	16	ValRx	To be disabled when C++ working- CER1.1P8
	CER1.1P7	SSI&T	N	N/A	N	N/A	Y	16	Y	Ada NPP
	CER1.1P8	N	N	N/A	Y	16	Devel	16	Y	C++ NPP, Terra, Aqua
	CER1.2P1	Y	N	N/A	SSI&T	16	ValRx	16	ValRx	C code, NPP capable.
	CER1.3P1	Y	N	N/A	N	N/A	ValRx	16	ValRx	Replace with CER1.4P1 on P6
	CER1.3P2	Y	N	N/A	N	N/A	ValRx	16	ValRx	Replace with CER1.4P2 on P6
	CER1.3P3	Y	N	N/A	N	N/A	ValRx	16	ValRx	Replace with CER1.4P3 on P6
	CER1.4P1	N	N	N/A	SSI&T	16	SSI&T	16	SSI&T	
	CER1.4P2	N	N	N/A	SSI&T	16	SSI&T	16	SSI&T	
	CER1.4P3	N	N	N/A	Devel	16	Devel	16	N	
ERBE-like - 2	CER2.1P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER2.2P1	Y	Y	15	Devel	16	Devel	16	Devel	Compile HDF with TK 15, run with TK 16
	CER2.3P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER2.3P2	Y	Y	16	Devel	16	Devel	16	Devel	
	CER2.4P1	Y	Y	16	Devel	16	Devel	16	Devel	
ERBE-like - 3	CER3.1P1	Y	Y	16	Devel	16	Devel	16	Devel	
	CER3.2P1	Y	Y	16	Devel	16	Devel	16	Devel	

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	CER4.1-4.0P1	Y	N	N/A	N	N/A	N	N/A	n/a	
	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	Y	Y	16	N	N/A	N	N/A	n/a	warlock version recompiled for 2008 Edition2, Possibly use P4 for 3/10 forward
	CER4.1-4.1P5	Y	Y	16	N	N/A	N	N/A	n/a	warlock version recompiled for 2008 Edition2, Use P4 for 3/10 forward
	CER4.1-4.1P6	N	Y	16	SSI&T	16	N	N/A	SSI&T	Beta2-Ed3 (P4), Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P2	Y	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P3	Y	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.2P4	N	Y	16	SSI&T	16	N	N/A	SSI&T	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future
	CER4.1-4.2P5	N	Y	16	SSI&T	16	N	N/A	SSI&T	Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future
	CER4.1-4.3P2	Y	Y	15	N	N/A	N	N/A	n/a	Ed2
CER4.1-4.3P3	N	Y	16	SSI&T	16	N	N/A	SSI&T	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	Y	ValRx	16	N	N/A	N	N/A	n/a	Ed2 Terra Main
	CER4.5-6.1P3	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 Aqua Main
	CER4.5-6.1P4	N	Y	16	Devel	16	Devel	16	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	Y	16	Devel	16	Devel	16	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.2P2	Y	Y	15	N	N/A	N	N/A	n/a	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	Y	16	Devel	16	Devel	16	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
	CER4.5-6.3P2	Y	SSI&T	16	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i> Terra alternate
	CER4.5-6.3P3	Y	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P1	Y	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	Y	16	Devel	16	Devel	16	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	SSI&T	16	N	N/A	N	N/A	n/a	IES-SSF Aqua New PGE, Ed2 format	
CER4.5-6.6P2	Y	N	N/A	N	N/A	N	N/A	n/a	Edition2	
CER4.5-6.6P3	Y	Y	15	N	N/A	N	N/A	n/a	Edition2 to <i>magneto</i>	

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
SARB - 5	CER5.0P1	Y	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 only for now, Ed3 version requires delta delivery
	CER5.1P1	Y	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	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
TISA Grid - 6	CER6.1P1	Y	Y	15	N	N/A	Devel	16	n/a	
	CER6.1P2	N	N	N/A	N	N/A	N	N/A	n/a	New PGE for Edition4
	CER6.2P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER6.2P2	N	N	N/A	Devel	16	Devel	16	n/a	New PGE for Edition4
	CER6.3P1	Y	Y	15	N	N/A	N	N	n/a	
TISA Avg - 7.1	CER6.3P2	N	N	N/A	Devel	16	Devel	16	n/a	New PGE for Edition4
	CER7.1.1P1	N	Y	15	N	N/A	N	N/A	n/a	
SARB - 7.2	CER7.3.1P1	N	Devel	16	Devel	16	N	N/A	Devel	New PGE for Edition3
	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	SSI&T	16	N	N/A	SSI&T	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	Y	Y	15	Devel	16	Devel	16	N	
	CER9.2P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.2P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.3P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
	CER9.3P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER9.4P1	Y	Y	15	N	N/A	N	N/A	n/a	Ed2 only
TISA Avg - 10	CER9.4P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
	CER10.0P1	N	Y	16	N	N/A	N	N/A	n/a	
	CER10.0P2	N	Y	16	N	N/A	N	N/A	n/a	
	CER10.0P3	N	Devel	16	Devel	16	N	N/A	Devel	New PGE for Edition3

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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	Y	SSI&T	16	SSI&T	16	SSI&T	16	SSI&T	
	CER12.1P2	N	Y	16	SSI&T	16	SSI&T	16	SSI&T	

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

Table 2: CERES Product Current Events Status Table			
Table 2 - CERES Data Products			
Product Name	Responsible Working Group	Archival, Internal, or Ext. Input	URL in Sample Read README updated ¹ ? (Y/N)
BDS	Instrument	Archival	N
ES-8	ERBE-like	Archival	N
ES-9	ERBE-like	Archival	N
ES-4	ERBE-like	Archival	N
SSF	Inversion	Archival	Y
CRS	SARB	Archival	Y
FSW	TISA-Gridding	Archival	Y
SYN	TISA-Averaging	Archival	Y
AVG	TISA-Averaging	Archival	Y
ZAVG	TISA-Averaging	Archival	Y
SFC	TISA-Gridding	Archival	Y
SRBAVG	TISA-Averaging	Archival	Y
ISCCP-D2like-Day/Nit	TISA-Gridding	Archival	Y
ISCCP-D2like-GEO	TISA-GGEO	Archival	Y
INSTR	Instrument	Internal	N/A
IES	Instrument	Internal	N/A
EID-6	ERBE-like	Internal	N/A
CRH	Clouds	Internal	N/A
GGEO	TISA	Internal	N/A
MOA	SARB	Internal	N/A
CID-VIRS	Clouds	Ext. Input	N/A
CID-MODIS	Clouds	Ext. Input	N/A
SURFMAP	Clouds	Ext. Input	N/A
GEO	TISA	ValRx	N/A
APD	SARB	Ext. Input	N/A
GAP	SARB	Ext. Input	N/A
MWH	SARB	Ext. Input	N/A
OPD	SARB	ValRx	N/A
¹ Sample Read Package README files: References to URL http://asd-www.larc.nasa.gov/ceres/ASDceres.html need to be updated to http://science.larc.nasa.gov/ceres			

Revisions:		
Date	Affected Section or PGE/Product ID	Revision Made
1/4/2011	CER12.1P1	Changed P4 status from "Y" to "SSI&T"
1/17/2011	CER7.3.1P1, CER10.0P3, CER7.2.1, CER10.0P1, CER10.0P2	Changed P4 status from "SSI&T" to "Y"
1/31/2011	CER7.3.1P1, CER10.0P3	Changed P4 and P6 statuses from "SSI&T" to "Devel"
2/16/2011	CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 CER3.1P1, 3.2P1 CER4.1-4.1P6, 2P4, 2P5, 3P3 CER4.5-6.1P4, 1P5, 2P3, 4P2	Changed "new" Wrapper status from "N" to "Devel"
2/28/2011	CER1.1P8	Changed P6 and New Wrapper Status to "Y"
3/14/2011	CER4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 and New Wrapper Status to "SSI&T"
	CER7.3.1P1, CER10.0P3	Changed P6 and New Wrapper Status to "Devel"
	CER12.1P1, CER12.1P2	Changed P6, X86, and New Wrapper Status to "Devel"
3/28/2011	CER1.1P1,3,5, CER1.2P1, CER1.3P1,2,3	Changed X86 and New Wrapper Status from "Devel" to "ValRx"
	CER12.1P1, CER12.1P2	Changed P6, X86, and New Wrapper Status from "Devel" to "SSI&T"
4/4/2011	none	