

April 18, 2012 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 04/18/12
Active Requests in order of priority as of 04/16/12**

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, * NEW - NPP 1-12 *	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 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 1.4P2 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	

**Table 1: Process Strategy/Coleman as of 04/18/12
Active Requests in order of priority as of 04/16/12**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
AM 1-11 to 7-11 FM3 1-11 to 7-11 * NEW – 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	
The PRs that follow are the Non-Standing PRs that can be processed						
PRs 161-11 thru 163-11	Terra	Edition3A	SFC	9.2P2, 9.3P2 9.4P2	1/06, 5/06, 6/06	Ready Priority Level 1
PRs 48-12, 49-12 SCCR 794	Terra	Edition3A	SAH	5.0P2	1/06, 5/06, 6/06	Ready Priority Level 1
PR 210-11 SCCR 804	Terra	Edition3A	SYNi	7.2.1P1	3/2000 – 6/2002	In Progress Priority 1
PR 209-11 SCCR 795	Terra	Edition3A	SYN1deg	8.1P1	3/2000 – 6/2002	In Progress Priority 1
PRs 208-11, 207-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	7/2002 – 4/2006	Ready Priority 2
PRs 204-11, 203-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	1/2006 5/2006 – 12/2007	Ready Priority 2

**Table 1: Process Strategy/Coleman as of 04/18/12
Active Requests in order of priority as of 04/16/12**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 200-11, 199-11 SCCR 801	Terra +Aqua	Edition3A	TSI	10.0P3, 7.3.1P1	12/ 2007 – 6/2010	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 206-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	7/2002 – 4/2006	Ready Priority 2
PR 202-11 SCCR 804	Terra +Aqua	Edition3A	SYNi	7.2.1P1	1/2006 5/2006 – 12/2007	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 207-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/2002 – 4/2006	Ready Priority 2
PR 201-11 SCCR 795	Terra +Aqua	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	1/2006 5/2006 – 12/2007	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 1

**Table 1: Process Strategy/Coleman as of 04/18/12
Active Requests in order of priority as of 04/16/12**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 100-10 SCCR 794	FM3, FM4	Edition3A	SAH	5.0P2	7/02 – 3/05	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 Terra Complete Priority Level 1
PR 6-11 SCCR 749	CERES	GMAO- G541-Ed4	MOA	12.1P2	2/28/2000 – 3/1/2010	In Progress 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
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

**Table 1: Process Strategy/Coleman as of 04/18/12
Active Requests in order of priority as of 04/16/12**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 436-09 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 SCCR 746	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 212-11, 211- 11 SCCR 801	Terra	Edition3A	TSI	10.0P3, 7.3.1P1	3/2000 – 6/2002	Complete. 4/6/12
PR 65-11 SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	7/10 – 11/10	Complete. 8/19/11
PR 69-11 SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	12/2010	Complete. 8/19/11
**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-operational testing and been promoted ****						
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- Pending Software Promotion Priority Level 3

**Table 1: Process Strategy/Coleman as of 04/18/12
Active Requests in order of priority as of 04/16/12**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PRs 143-11 thru 146-11 SCCR 809	FM3, FM4	Beta1-Ed4	SSFI	4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3	6/30/2002 – 3/30/2005	HOLD –PreProd- Pending Software Promotion Priority Level 3

Table 2. April 18, 2012 - System Issues and Status

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> • Nothing to report. (Miller)
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> • See Table 3 for the current CERES Subsystem Delivery Schedule and Table 4 for the current CERES Coefficients Delivery Schedule. (Ayers) • See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers) • SCCR 809 – Formatted the updated Clouds Test Plan and provided it to CM for use during testing. (Saunders) • SCCR 809 – Testing the Clouds delivery. (Ayers) • SCCR 801 - Formatted the updated TISA Averaging Operator’s Manual, posted it on the Web, and provided it to the ASDC. (Saunders) • SCCR 890 – Provided the BDS Sample Read Package to the ASDC on April 16. (Ayers) • SCCR 891 – Installed the Instantaneous SARB delta delivery on <i>magneto</i> and released it to the ASDC on April 16. (Ayers)
AMI Job Submission Scripts (AJSS)	Ayers (Hillyer)	<ul style="list-style-type: none"> • Updating the job submission scripts for the ERBE-like PGEs as necessary in preparation for the upcoming delivery. (Grepitotis, Hillyer) • Began 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 – April 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)
Clouds (SCCR 809)	N/A	April 13 In CM Queue	April 20	Redelivering the Edition4 code to <i>AMI-P</i> .			<i>AMI-P6</i>
Instantaneous SARB (SCCR 891)	March 30	April 13	April 20	Delivery of MATCH data files for Jan 2011 to December 2011.			<i>magneto-P4</i>
Perl_Lib (SCCR 892)	April 16	April 16	April 23	Delta delivery to correct a problem.			<i>AMI-P6 & AMI-x86</i>
Inversion (SCCR 814)	March 23	April 20	April 27	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 x86 platform and standardizing exit codes.			<i>AMI-x86</i>
TISA Gridding (SCCR 888)	May 11	May 25	June 1	Edition4 SSF1deg-Hour.			<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 – April 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 – April 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 April 3 at 4:00 p.m. – April 16 at 3:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
888			X			TISA Gridding		
890	X		X			Instrument	11	
891	X		X			Instantaneous SARB	12	
892	X					Perl_Lib	13	

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

CERES Software Configuration Change Request Submittal

Subsystem: Instrument SCCR Date & TIME: 2012-04-11 13:18:39 SCCR No.: 890

Parameter Change: () YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
Req. 1-46 (associated with SCCR 866): Update the BDS read package to include updated info for website URLs, User Services email address & Norman Loeb as the CERES PI.

Reason for Change (non-Science):
Req. 1-46: Updated read package needed associated with SCCR 866 for BDSs created by CER1.1P8 and Edition3 BDSs created by CER1.3P3.

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:
None

Estimated Time to Complete Change: 2 days
Planned Delivery Date: April 13, 2012
List Affected Subsystems and PGE Names: Instrument read package

Originator: COOPER, DENISE L. (SSAI)

CERES Software Configuration Change Request Submittal

=====

Subsystem: SARB SCCR Date & TIME: 2012-04-13 10:47:21 SCCR No.: 891

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

(Req# 5-27.0)

Delivery of MATCH data files for Jan 2011 to December 2011.

Reason for Change (non-Science):

(Req# 5-27.0)

Files are needed to run SARB PGEs in production.

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:

5.0P2

Estimated Time to Complete Change: 1 day

Planned Delivery Date: April 13, 2012

List Affected Subsystems and PGE Names: SARB surface albedo history processor, CER5.0P2

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal

=====

Subsystem: Perl_Lib SCCR Date & TIME: 2012-04-16 12:56:50 SCCR No.: 892

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Delta delivery to correct out-of-date AJSS_PGE module file on AMI-P under \$CERESHOME/lib/Perl_Lib/CERES that was originally fixed via a post-initial-delivery patch with SCCR 886. This is needed for CER4.1-4.2P5 to run correctly.

Reason for Change (non-Science):

The contents of \$CERESHOME/lib were inadvertently modified by a non-SSIT member in the SSIT group on AMI-P. When the problem was remedied, the patched AJSS_PGE module was not included in the directory rebuild and thereby not promoted with SCCR 886.

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: Completed

Planned Delivery Date: 4/16/2012

List Affected Subsystems and PGE Names: All AMI PGEs

Originator: HILLYER, THOMAS N. (SSAI)

Table 6. April 18, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Wilkins)	<ul style="list-style-type: none"> • Toolkit v18, built with GCC 4.2.2 (current version), is available for testing on <i>AMI x86</i> and <i>ppc64</i>. Received and incorporated feedback from Instrument and ERBE-like subsystems. (Hillyer) • Build testing version of parallel HDF5 and NetCDF-4. (Hillyer) 	
CERES-lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> • Nothing to report. (Hillyer) 	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> • SCCR 892 – Delta delivery to correct out-of-date <i>AJSS_PGE</i> module file on <i>AMI-P</i> under <i>\$CERESHOME/lib/Perl_Lib/CERES</i> that was originally fixed via a post-initial-delivery patch with SCCR 886. This is needed for CER4.1-4.2P5 to run correctly. (Hillyer) 	
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> • Attended meetings to discuss requirements, schedule, and implementation. (Hillyer, Wilkins) • Working on completing first iteration of DRMAA scheduler. Targeting April 18 for alpha build release. (Hillyer) • Finished on first iteration of operator’s console application. Application currently creates SSH tunnel to CATALYST server, establishes XML-RPC connection, and queries for blades that have passed current list of sanity checks. (Wilkins) • Working on second iteration of operator’s console. Implementing remaining UI components for currently available RPCs. (Wilkins) • Working on second iteration of CATALYST server process. (Hillyer) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> • SCCR 878 – Updates to CER1.1P8 are complete. The updated software is being used to run daily NPP processing at the SCF to test the updated software. Testing with new TK5.2.18v1 is underway. An update to the <i>Body_inFOV</i> routine in the TK has changed and a difference can be seen in the number of scans being processed for Aqua and possibly Terra. The difference is seen when the software is looking to see if there is solar heating on the detector telescope during a spacelook, which causes the spaceclamp values to be incorrect. So far the 	

Table 6. April 18, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
1.0	Cooper (Grepotis) (Continued)	<p>differences we have seen is now 82 extra scans are being processed and contain valid data. Still checking to see that the data in these 82 scans are truly valid, or if the algorithm to determine solar heating must be modified to still include these scans. (Grepotis, Timcoe)</p> <ul style="list-style-type: none"> • SCCR 877 – Convert the remaining Ada PGE CER1.3P3 to C++ (CER1.4P3). Working on adding new functionality to the existing HDF class being used for CER1.1P8, since CER1.4P3 needs to also read an HDF BDS. (Grepotis, Timcoe) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR 867 - Used viewhdf to analyze differences in 3.1P1 HDF outputs (ES4/9) produced on x86 versus sgi. For ES4, the frequency of differences between main products does not exceed 1/10,000 (Net Radiant Flux, all ~ 0.01 in magnitude). The SWF differences magnitude is greater (~ 0.1) but less frequent (0.00113% of samples). For ES9, the magnitude patterns are the same, and the frequency patterns only slightly different (3x the number of differences but > double the number of samples). Ran 'All-Up' test on x86 from 2.2/2.3/3.1 to generate equivalent ES4/9 using x86 inputs (instead of DPO sgi inputs) and redid analysis: no differences from previous results, since ES4/9 and DES4/9 were exactly the same. (Lande) • SCCR 867 - Tested (on P6 and x86) and fixed Thomas's 2.3P1/2 SGE/AJSS updates ('extraArgs'). Discovered and fixed lack of PCF log when SGE jobs are submitted with missing input for 2.2/2.3/3.1. Recompiled and tested these with TK 18 and discovered/fixed problems with P6 version except for ES4 ppm generator, which creates bad plots with either toolkit when x86 updates over the last month are included (i.e., last good plots use 3/13 exec). Attempt to resolve unsuccessful. QC reports and ES8 gifs, on the other hand, are scientifically equivalent to DPO equivalents, while x86 ones matched exactly. Thomas's suggestion to resolve segmentation fault in s4g_get (eliminate index<0) was implemented but did not reduce problem. Updated 3.1 to remove BQCBW/DQCGW products. 	

Table 6. April 18, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0	Walikainen (Lande) (Continued)	<p>Updated README file for ES8 in Sample Read Package. (Lande, Hillyer, Grepiotis)</p> <ul style="list-style-type: none"> • Continuing to adjust Edition3 FM3 Beginning-of-Mission spectral responses: FM3 land LW daytime fluxes are higher $\sim 0.8 \text{ w m}^{-2}$ than FM4's, FM4's ocean scenes are ~ 0.2 higher than FM3's. (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"> • SCCR 809 - Processed daily QC files for Edition4 for October 2008. QC global images and statistics were created for daily files for 200810 for Edition4 and Edition2 as well as differences between the datasets. Results were posted on the Web. (R. Brown) • SSF global images and statistics were processed for Aqua Edition2D from 201108 through 201112. Results were posted on the Web. (R. Brown) • SCCR 809 - Wrote a code to read the different versions of cloudvis data to compare the optical depth between Ed2 and Ed4. Results were produced using idl code. (Chen) • SCCR 809 - Produced MOD02 subsetted files of 2004 and 2005 from MOD021KM, MOD02QKM, and MOD02HKM ordered by the DAAC. Checked the mis-match between subsetted MOD02 and new ordered MOD03. Then checked with MOD04 at /ASDC_archive. (Chen) • Continue checking the daily ingest completion of VIMD and VAOT data on /ASDC_archive. Added ssh-key to ssai04 to access the systems on GSFC. (Chen) • Ordered aggregated input (VIIRS VIAE, VMAE, and VDNE) from LAADS Website and did the comparisons with the subsetted data VIMD. (Chen) • SCCR 809 - Helped determine inconsistent results problem in clouds delivery test cases. (Smith) • SCCR 809 - Reran all clouds test cases and redelivered. (Smith) 	

Table 6. April 18, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack (Brown) (Continued)	<ul style="list-style-type: none"> • Began working on daily RGBs using the Daily RGB tool for CERES STM. (Gibson) • Continuing work on <i>lposun</i> to Web cluster migration with Ed Kizer. CERES CM submitted for a new security scan. CERES DM on its way to being completed. (Heckert) • Continuing bug fixes resulting from CERES PR Tool preliminary testing. Working on streaming job information from the PR Tool to the application that will process jobs. (Heckert) • Working with Yan on DPO missing and/or mismatch MODIS products. (Sun-Mack) • Working with Rabi and his group on modular code and resolved some issues. (Sun-Mack) • Working on VIIRS reader. (Sun-Mack) • Working on a paper with Katie Giannecchini. (Sun-Mack.) • SCCR 809 - Debugged Clouds retrieval code and discovered an optical depth calculation error which was the cause of non-repeatable Clouds Ed4 results on <i>AMI-P</i>. (Sun-Mack) • SCCR 809 - Working with Rita and Tammy on testing issues raised. (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"> • Supported CERES Automated Processing Tool meetings. (Miller) • Corrected several bugs in convolution code. (Miller) • Experimented with creating and loading of long animations to YouTube. The experiments are needed to determine the feasibility of showing 3D animations produced with Tecplot for TOA NetCDF files via YouTube. (Antropov) 	
4.5	Sothcott	<ul style="list-style-type: none"> • SCCR 814 - Added Estimated Inversion Strength (SSF-60b) to the subset files and completed retesting the delivery. (Sothcott) • SCCR 814 - Updated the software to reorder the Imager Channels based on wavelength. Included wavelength ranges instead of exact wavelength values to support future FM5 work. (Sothcott) 	

Table 6. April 18, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.5	Sothcott (Continued)	<ul style="list-style-type: none"> • SCCR 814 - Processed one month of Aqua data for FM3 and FM4 for Science review. (Sothcott) • SCCR 814 - Received Science approval from the SOFA working group for delivery. Currently working with the ADM working group to obtain approval for the delivery. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • SCCR 891 - Provided 2011 MATCH input files to the ASDC for PGE 5.0P2. (Caldwell) • Continued validation of Edition4 SAH maps. These maps will aid in SARB presentations at the CERES STM. (Caldwell) • Posted SYNI Lite data as requested by Betty Lock. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (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"> • Ran phases 1 and 2 to create input data and created the PCF files for January 2005 with the one hour GGEO data for Michele to create data to compare with GERB data. (Nguyen) • Copied data from SD_archive for SYN reruns. Because the copy from SD_archive was not successful, reran 2007 and 2009 TSI to create inputs for SYN runs. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> • Updated the DPC for Edition 3 of SYN1deg. (Lock) • Updating the Read program for the new Edition3 SYN1deg files. (Lock) • Provided data and plots in support of the TOA and surface flux studies for Seiji Kato. (Lock) • Attending the HDF conference April 17-19, 2012. (Lock) • Updated the Operator's manual for Edition 3 of SYN1deg. (Lock) 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> • Provided plots for the statistic study of the SSF data, the inputs to flux-by-cloud code. (Nguyen) 	

Table 6. April 18, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
10.0	Nguyen (Lock) (Continued)	<ul style="list-style-type: none"> • Providing July 2006 and January 2007 plots of the flux-by-cloud product for the CERES Science Team Meeting. (Nguyen) • Validating Edition4 SRBAVG. (Nguyen) • Providing support to Dave Doelling and Moguo Sun in preparing for the CERES STM. (Nguyen) • Ran July through December 2011 SSF Lite and SYN Lite for Aqua and Terra for the ordering tool group to plot. WN fluxes for December 2011 are very low. Investigating the causes of the problem. (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"> • Created a revised version of the Flux-by-Cloud netCDF file based on a request from Dave Doelling. (Lock) • Creating a new read program for the Flux-by-Cloud netCDF file organized by time. (Lock) • Continued to work on Edition4 modifications to PGEs 9.2P3 – 9.4P3. Processed 07/2001 Edition4 SSFB data through new code successfully. Started working with Thomas Grepiotis on PCF/run scripts. (Raju) • Checked 04/1986 NOAA/ERBE SFCB and sent requested information to Dave Doelling. (Raju) • Checked GMT SFCB files with overlap hour data to respond to Cathy Nguyen’s inquiries about the csza differences and found that the differences were due to comparisons between two different months. (Raju) • Continued to assist Myles Baker regarding 9.2P2 PGE processing. (Raju) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • As per Dave’s request, processed 01/2005 MET8 data to create MET8 only GGEO product for GERB comparisons. (Raju) • Started processing 07/2011 – 12/2011 GEO satellites’ data to provide inputs to lite product processing. (Raju) • Looking into Hazari’s program to check 07/2011 – 12/2011 MTS2 MCIDAS images. (Raju) 	

Table 7. April 18, 2012 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Resolving remaining items identified during PR Generation testing. (Heckert, Grune, Coleman) • Supporting SIT PR Review testing. (Heckert, Grune, Coleman) • Adding links to useful pages to the Operator's submittal screen. (Key) • Testing interface between job submittal pages and CATALYST. (Heckert, Hillyer)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • Functional testing was completed and issues were resolved for the CERES CM site on the Web cluster (http://test-earth-www.larc.nasa.gov/cgi-bin/cerescm/mysql/cerescm.pl). An additional scan has been requested for promotion to the public Website. (Heckert, Kizer) • The migration of the CERES DM site on the Web cluster (http://test-earth-www.larc.nasa.gov/cgi-bin/ceresdm/ceresdm.pl) was completed. (Heckert, Kizer) • The migration of the CERES TISA site to the Web cluster (http://test-earth-www.larc.nasa.gov/cgi-bin/tisa/tisa.pl) was completed. Functionality testing with Raja was initiated. (Kizer)
CERES Ordering Tool (Chu/Mitrescu)	<ul style="list-style-type: none"> • A new set of NOAA data was generated for internal use on the ceres-subset8. (Mitrescu) • A new set of SSFlite data was generated for internal use on the ceres-subset8. (Mitrescu) • Start work for promoting SFC EBAF data. (Mitrescu) • Restore functionality of internal Web pages because of disk mount issues. (Chu & Mitrescu) • Finishing up the integrating test for browsing SSF Level2 data. (Chu & Mitrescu) • Getting ready for the pre-production test for browsing SSF Level2 data. (Chu & Mitrescu)

Table 8. April 18, 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. (Cooper, Spivak) • Kam-Pui Lee was brought in to look at the viewing angle issue with NPP showing different correlations than those on Aqua or Terra. Kam-Pui’s studies showed that the ephemeris and attitude data was being converted correctly from NPP format to TK format. The issue appears to be that NPP eph/att data is based geodetically and Terra/Aqua data is based geocentrically. The AtLaunch NPP PRs have been released for operations to process now that we have validated that the data has been processed correctly. (Cooper, Hess, Lee, Spivak) • Continue running CER1.0P2 and CER1.1P8 in the SCF to monitor the health and safety of the FM5 instrument. (Timcoe) • Investigated view zenith angle variations between Aqua MODIS and NPP VIIRS. (Miller) • Monitored Discrepancy Report Action Team (DRAT) teleconferences. (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	
ERBE-like - 3	CER2.4P1	N	Y	16	Y	16	Devel	16	Y	
	CER3.1P1	N	Y	16	Y	16	Devel	16	Y	
Clouds 4.1-4	CER3.2P1	N	Y	16	Y	16	Devel	16	Y	
	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	Ed2, Edition1-CV
	CER4.1-4.1P5	N	Y	16	N	N/A	N	N/A	n/a	Ed2, Edition1-CV
	CER4.1-4.1P6	N	N	N/A	SSI&T	16	N	N/A	SSI&T	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, Edition1-CV
	CER4.1-4.2P3	N	Y	15	N	N/A	N	N/A	n/a	Ed2, Edition1-CV
	CER4.1-4.2P4	N	N	N/A	SSI&T	16	N	N/A	SSI&T	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	Ed4 (P6), Migration to X86 not in near future
CER4.1-4.3P2	N	Y	15	N	N/A	N	N/A	n/a	Ed2, Edition1-CV	
CER4.1-4.3P3	N	N	N/A	SSI&T	16	N	N/A	SSI&T	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	Comments
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	16	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	16	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	16	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)
	CER4.5-6.5P4	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	
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	CER7.3.1P1	N	Y	16	Y	16	N	N/A	Y	New PGE for Edition3
SARB - 7.2	CER7.2.1P1	N	Y	16	N	N/A	Y	16	Y	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	Comments
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	
	CER9.2P2	N	Y	16	N	N/A	N	N/A	n/a	PGE for Edition3
	CER9.2P3	N	N	N/A	Devel	16	N	N/A	N	New PGE for Edition4
	CER9.3P2	N	Y	16	N	N/A	N	N/A	n/a	PGE for Edition3
	CER9.3P3	N	N	N/A	Devel	16	N	N/A	N	New PGE for Edition4
	CER9.4P2	N	Y	16	N	N/A	N	N/A	n/a	PGE for Edition3
TISA Avg - 10	CER9.4P3	N	N	N/A	Devel	16	N	N/A	N	New PGE for Edition4
TISA Avg - 10	CER10.0P3	N	Y	16	Y	16	N	N/A	Y	PGE for Edition3
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	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	Y
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
1/3/2012	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 Disables/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

Table 3. CERES Disabled and Deleted PGEs
(Published in DMT Report Only When a PGE is Added to Table)

Subsystem ID	PGE ID	Current PGE Production Status ¹	Comments
Instrument - 1	CER1.1P2	Disabled	Remain disabled
	CER1.1P1	Disabled	Probably not to be reactivated
	CER1.1P3	Disabled	Probably not to be reactivated
	CER1.1P4	Disabled	Remain disabled
	CER1.1P5	Disabled	Probably not to be reactivated
	CER1.1P6	Disabled	Remain disabled
	CER1.1P7	Disabled	Remain disabled
	CER1.3P1	Disabled	Probably not to be reactivated
	CER1.3P2	Disabled	Probably not to be reactivated
ERBE-like - 2			
ERBE-like - 3	CER3.2P2	Disabled	
Clouds 4.1-4	CER4.1-4.0P1	Disabled	
	CER4.1-4.1P1	Disabled	
	CER4.1-4.1P2	Disabled	Collection 4
	CER4.1-4.1P3	Disabled	Collection 4
	CER4.1-4.2P1	Disabled	Collection 4
	CER4.1-4.3P1	Disabled	Collection 4
	CER4.1-4.4P1	Disabled	In Op Man, but not in FMP. Delete?
Inversion/SOFA 4.5-6	CER4.5-6.1P1	Disabled	Probably not to be reactivated
	CER4.5-6.2P1	Disabled	Probably not to be reactivated
	CER4.5-6.3P1	Disabled	Probably not to be reactivated
	CER4.5-6.3P2	Disabled	Probably not to be reactivated
	CER4.5-6.3P3	Disabled	Probably not to be reactivated
	CER4.5-6.5P2	Disabled	Probably not to be reactivated
	CER4.5-6.5P3	Disabled	Probably not to be reactivated
	CER4.5-6.6P2	Disabled	Probably not to be reactivated
	CER4.5-6.6P3	Disabled	Probably not to be reactivated
SARB - 5	CER5.2P1	Deleted	
	CER5.3P1	Disabled	
TISA Grid - 6			
TISA Avg - 7.1	7.3.1P1		Ed2 -Probably not going to run again

Table 3. CERES Disabled and Deleted PGEs
(Published in DMT Report Only When a PGE is Added to Table)

Subsystem ID	PGE ID	Current PGE Production Status ¹	Comments
SARB - 7.2			
TISA Avg - 8	CER8.2P1	Deleted	Merged with CER8.1P1
TISA Grid - 9	CER9.2P1		Ed2 -Probably not going to run again
	CER9.3P1		Ed2 -Probably not going to run again
	CER9.4P1		Ed2 -Probably not going to run again
TISA Avg - 10	CER10.0P1	Disabled	No longer required - using SCF-produced LITE instead
	CER10.0P2	Disabled	No longer required - using SCF-produced LITE instead
	CER10.1P1	Disabled	Replace with CER10.0P2
	CER10.1P2	Disabled	Replace with CER10.0P1
	CER10.2P1	Deleted	
	CER10.3P1	Deleted	
	CER10.1P3	Disabled	
	CER10.1P4	Disabled	Replace with CER10.0P2 for Terra
	CER10.1P5	Disabled	Replace with CER10.0P1 for Terra

Table 3. CERES Disabled and Deleted PGEs
(Published in DMT Report Only When a PGE is Added to Table)

Subsystem ID	PGE ID	Current PGE Production Status ¹	Comments
GGEO - 11	CER11.1P1	Disabled	
	CER11.1P2	Disabled	
	CER11.1P3	Disabled	
	CER11.1P4	Disabled	
	CER11.1P5	Disabled	
	CER11.1P6	Disabled	
	CER11.1P7	Disabled	
	CER11.1P8	Disabled	
	CER11.2P1	Disabled	
	CER11.3P1	Disabled	
	CER11.5P1	Deleted	
Regrid MOA -12			