

## March 21, 2012 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 03/21/12**  
**Active Requests in order of priority as of 03/19/12**

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 <sup>th</sup> mesh	4.1-4.0P2	Standing Request	
PRs NPP 6-11 through 14-11,  * <b>NEW - NPP 1-12</b> *	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	

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AM 1-11 to 7-11 FM3 1-11 to 7-11  <b>* NEW – FM4 1-12 to 7-12*</b>	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
PR 182-10  SCCR 794	Terra	Edition3A	SAH	5.0P2	3/00 – 10/05	In Progress  Priority Level 1
PR 65-11  SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	7/10 – 11/10	Ready  Priority Level 1
PR 69-11  SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	12/2010	Ready  Priority Level 1
PR 8-12  SCCR 794	Terra	Edition3A	SAH	5.0P2	1/11 – 8/11	Ready  Priority Level 1
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

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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
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 <sup>st</sup> month and wait for SS checkout  Priority Level 3

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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 179-10 thru 181-10  SCCR 789	Terra	Edition3A	SFC	9.2P2, 9.3P2 9.4P2	3/00 – 10/05	Complete. 3/8/12
* 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	Complete. 3/9/12
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	Complete. 3/13/12
PRs 70-11 thru 72-11  SCCR 789	Terra Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	12/2/2010 – 1/1/11	Complete. 3/13/12
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 – <del>12/1/10</del> 11/1/11	Complete. 3/13/12
PRs 62-11 thru 64-11  SCCR 789	Aqua Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/30/10 – <del>12/1/10</del> 11/1/11	Complete. 3/13/12
PR 68-11  SCCR 794	FM3 <del>FM4</del>	Edition3A	SAH	5.0P2	3/10 – 6/10	Closed FM3 Complete

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<p align="center">**** 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
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

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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
***** 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 <del>PRs 29-11 thru 31-11</del>  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

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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. March 21, 2012 - System Issues and Status**

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> <li>• Nothing to report. (Miller)</li> </ul>
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> <li>• See <a href="#">Table 3</a> for the current CERES Subsystem Delivery Schedule and <a href="#">Table 4</a> for the current CERES Coefficients Delivery Schedule. (Ayers)</li> <li>• See <a href="#">Table 5</a> for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow <a href="#">Table 5</a>. (Ayers)</li> <li>• SCCR 882 – Provided the updated Instrument Test Plan and Operator’s Manual to the ASDC and posted them on the Web. (Saunders)</li> <li>• SCCR 809 – Received the Clouds delivery and began preparing to test it. (Ayers)</li> </ul>
AMI Job Submission Scripts (AJSS)	Ayers (Hillyer)	<ul style="list-style-type: none"> <li>• Updating the AJSS for the ERBE-like PGEs as necessary in preparation for the upcoming delivery. (Grepotis, Hillyer)</li> <li>• Development continues on the scripts for the upcoming Inversion delivery. (Hillyer)</li> </ul>



**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 &amp; 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 &amp; 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 &amp; 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 <b>Beta2-Edition3</b> . 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 March 5 at 2:00 p.m. – March 19 at 7:00 p.m.**

<b>SCCR</b>	<b>S</b>	<b>U</b>	<b>A</b>	<b>C</b>	<b>D</b>	<b>SS</b>	<b>Page No.</b>	<b>Comments</b>
809		X				Clouds	12	
875		X				CERESlib	17	
882				X		Instrument		
884				X		Perl_Lib		
885				X		TISA Averaging		
886		X	X			Perl_Lib	19	
887	X		X	X		Toolkit	20	

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

## CERES Software Configuration Change Request Submittal

Subsystem: Clouds

SCCR Date: 10/01/2010

SCCR Number: 809

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ADDITIONAL CHANGES TO SCCR NO. 809:

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Parameter Change: (X) YES ( ) NO

Description of Change (Science):

(1) Night time monthly 3.7  $\mu\text{m}$  Terra calibrations (calibrated to Aqua) were created from Feb 2000 to Aug 2011. Consistent 3.7  $\mu\text{m}$  brightness temperatures between Terra and Aqua are more suitable for CERES mask which uses threshold methods. The calibration results are shown in: <http://earth-www.larc.nasa.gov/cgi-bin/cgiwrap/sunny/Terra.37calib.Night.pl>. (Req.4-12.28)

(2) BTDR of 3.7 - 11  $\mu\text{m}$  shows stripes, more pronounced at the night time. Designed, coded-up, and implemented a de-stripe routine. (Req.4.12-29).

(3) Implemented a daily moving polar / non-polar transition definition from April 15 to Oct 15. (Req.4-12.30).

(4) CERES mask improvements (Req.4-12.30):

- Daytime tropical ocean: Refined heavy dust and low clouds tests in Sun glint ocean, reduced false clouds from Sahara dust storm and maintained the daytime ocean cloud fraction.
- Daytime non-polar high latitude land: Reduced false clouds over high-elevated deserts and improved snow detections.
- Daytime polar: Reduced false thin Ci clouds from Ref 1.38 test over the Arctic. Refined the clouds and snow classification for TBD pixels. Reduced the discontinuity lines in NH winter months.
- Twilight polar: Reduced twilight stripping clouds by tightening BTDR and reflectance thresholds. Separated Aqua and Terra 2.1  $\mu\text{m}$  tests to compensate Terra MODIS 2.1  $\mu\text{m}$  stripping at 87<88.5.
- Nighttime polar:
  - o Reduced the discontinuity lines in NH winter months.
  - o Reduced false speckle inversion clouds over Arctic land due to noisy BTDR3.7-11. Added new inversion clouds tests over Arctic ocean.
  - o Improved mid and low clouds tests, added T8.5-T6.7 test over Arctic sea ice.
  - o Refined cloud and snow tests for TBD pixel
  - o Adjusted clear sky restorer tests.

- (5) Implemented Zhonghai Jin's clear sky (snow-free) ocean surface reflectance model for 1.24, 1.6, 2.13 and 3.7  $\mu\text{m}$ . (Req. 4-12.33)
- (6) Implemented Zhonghai Jin's clear sky (snow-free) ocean surface diffused albedo for 1.24, 1.6, 2.1, and 3.7  $\mu\text{m}$ . (Req. 4-12.33)
- (7) Added new parameterization for 1.24 optical depth retrieval. (Req. 4-12.31)
- (8) Added new parameterization for 1.24 and 2.1 particle size retrievals. (Req. 4-12.32)
- (9) The normal core-dump rate for Clouds code has been about 3%. While working on (8) above, it was discovered that asymptote sometime occurred inside the Akima Spine interpolation. The fix was to use linear interpolation before reaching asymptote. 3% of data was completely recovered after such fix. (Req. 4-12.34)
- (10) Ice particle size definition was changed from effective radius (Re) to generalized effective radius (Rge). (Req. 4-12.35)
- (11) Due to the change in above (10), ice water path calculation was modified. (Req. 4-12.35)
- (12) Over snow and ice surface, 1.24  $\mu\text{m}$  is used to retrieve optical depth. This approach was modified to incorporate the IR optical depth retrieved from CO2 slicing for optically thick ice clouds. (Req. 4-12.37)
- (13) To handle MODIS aerosol (MOD04/MYD04) mismatch with MODIS geolocation (MOD03/NYD03), the code was modified to simply skip the mis-matched granule. (Req. 4-12.36)
- (14) CO2 slicing and MultiLayer cloud retrieval improvements. (Req.4.12-38):
- Discovered and fixed the unit error of the MOA humidity profile parameter.
  - Updated and fixed the cause why the CEM CO2 cloud fractions were underestimated after corrected the humidity unit error.
  - Updated and improved the CEM CO2 cloud top height retrievals over regions with the hot surface temperature and high surface reflectance.
  - Updated and improved the CEM CO2 cloud top height retrievals over the winter season hemisphere.
  - Updated and improved the retrieval quality of the CEM CO2 IR cloud optical depth and emissivity, along with improved CEM CO2 cloud top height, temperature, and pressure quality.
  - Updated and improved the day time CEM multilayer cloud fraction/amount quality.
  - Updated and improved the day time CEM multilayer Upper/Lower cloud top height quality.
  - Updated and improved the day time CEM multilayer Upper/Lower cloud optical depth quality.
  - Updated and improved the day time CEM multilayer Upper/Lower cloud particle size quality at both 3.7- and 2.1- $\mu\text{m}$  channels.
  - Updated and improved the night time CEM multilayer cloud fraction/amount quality.
  - Updated and improved the night time CEM multilayer Upper/Lower cloud top height quality.
  - Updated and improved the night time CEM multilayer Upper/Lower cloud optical depth quality.
  - Updated and improved the night time CEM multilayer Upper/Lower cloud particle size quality at both 3.7- $\mu\text{m}$  channel.

- Changed the ‘mlphase’ parameter to ‘mlconfi’ parameter in Get CEM Multi and recorded 3 confidence level quality of CEM multilayer detection in the new parameter ‘mlconfi’.

Reason for Change (Science):

(1) – (4) To improve cloud mask.

(5) – (8) and (12) To improve 1.24  $\mu\text{m}$  optical depth and particle size retrieval, as well as 2.1 particle size retrieval.

(9) To reduce core-dump hours.

(10) – (11) To have a more consistent definition for ice particle size as the clouds community.

(13) To correctly handle MODIS aerosol mismatch.

(14) To improve CO2 slicing and MultiLayer cloud retrieval.

Description of Change (non-Science):

(1) Consolidated the environment variables between the Clouds PGEs: CER4.1-4.1P6, CER4.1-4.2P5, CER4.1-4.2P4, CER4.1-4.3P3 (Req. 4-12.39)

(2) Implemented the CERES new exit codes (Req. 4-12.40)

(3) Changed certain calls from clouds-made scripts to routines in perl library in relevant clouds run scripts (Req. 4-12.41)

Reason for Change (non-Science):

(1) – (3) To comply with to CERES Standards.

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

SSF-66	Clear area percent coverage at subpixel resolution
SSF-67	Cloud-mask clear-strong percent coverage
SSF-68	Cloud-mask clear-weak percent coverage
SSF-69	Cloud-mask snow/ice percent coverage
SSF-70	Cloud-mask aerosol B percent coverage
SSF-72	Cloud-mask percent coverage supplement
SSF-79	CWG surface skin temperature
SSF-79a	CWG precipitable water
SSF-80	Vertical temperature change
SSF-81	Clear/layer/overlap percent coverages
SSF-82	Note for cloud layer
SSF-83	Mean visible optical depth for cloud layer
SSF-84	Stddev of visible optical depth for cloud layer
SSF-85	Mean logarithm of visible optical depth for cloud layer

SSF-86	Stddev of logarithm of visible optical depth for cloud layer
SSF-87	Mean cloud infrared emissivity for cloud layer
SSF-88	Stddev of cloud infrared emissivity for cloud layer
SSF-89	Mean liquid water path for cloud layer (3.7)
SSF-90	Stddev of liquid water path for cloud layer (3.7)
SSF-91	Mean ice water path for cloud layer (3.7)
SSF-92	Stddev of ice water path for cloud layer (3.7)
SSF-93	Mean cloud top pressure for cloud layer
SSF-94	Stddev of cloud top pressure for cloud layer
SSF-94a	Mean cloud top temperature for cloud layer
SSF-94b	Mean cloud top height for cloud layer
SSF-95	Mean cloud effective pressure for cloud layer
SSF-96	Stddev of cloud effective pressure for cloud layer
SSF-97	Mean cloud effective temperature for cloud layer
SSF-98	Stddev of cloud effective temperature for cloud layer
SSF-99	Mean cloud effective height for cloud layer
SSF-100	Stddev of cloud effective height for cloud layer
SSF-101	Mean cloud base pressure for cloud layer
SSF-102	Stddev of cloud base pressure for cloud layer
SSF-102a	Mean cloud base temperature for cloud layer
SSF-103	Mean water particle radius for cloud layer (3.7)
SSF-104	Stddev of water particle radius for cloud layer (3.7)
SSF-105	Mean ice particle gen effect radius for cloud layer (3.7)
SSF-106	Stddev of ice particle gen effect radius for cloud layer (3.7)
SSF-106a	Mean asymmetry factor for cloud layer
SSF-107	Mean cloud particle phase for cloud layer (3.7)
SSF-108	Mean water particle radius for cloud layer (1.2)
SSF-109	Mean ice particle gen effect radius for cloud layer (1.2)
SSF-110	Mean logarithm of visible optical depth for cloud layer (1.2)
SSF-110a	Mean water particle radius for cloud layer (2.1)
SSF-110b	Mean ice particle gen effect radius for cloud layer (2.1)
SSF-110c	Mean logarithm of visible optical depth for cloud layer (2.1)
SSF-111	CO2 slicing percent coverages for cloud layer
SSF-111a	Mean infrared emissivity for cloud layer - CO2 slicing
SSF-111b	Mean effective pressure for cloud layer - CO2 slicing
SSF-111c	Mean effective temperature for cloud layer - CO2 slicing
SSF-112	Mean effective height for cloud layer - CO2 slicing
SSF-113	Percentiles of visible optical depth for cloud layer
SSF-114a	Single layer/multilayer percent coverages
SSF-114b	Mean visible optical depth for multilayer
SSF-114c	Mean logarithm of visible optical depth for multilayer
SSF-114d	Mean cloud infrared emissivity for multilayer
SSF-114e	Mean cloud top pressure for multilayer
SSF-114f	Mean cloud top temperature for multilayer
SSF-114g	Mean cloud top height for multilayer
SSF-114h	Mean cloud particle phase for multilayer (3.7)

SSF-114i	Mean water particle radius for multilayer (3.7)
SSF-114j	Mean ice particle gen effect radius for Multilayer (3.7)
SSF-114k	Mean water particle radius for Multilayer (2.1)
SSF-114l	Mean ice particle gen effect radius for multilayer (2.1)

Reason for Parameter Change:

The changes made in “Science Changes” above will affect all SSF parameters listed above.

Affected PGEs in this Subsystem:

CER4.1-4.1P6 CER4.1-4.2P5 CER4.1-4.2P4 CER4.1-4.3P3

Estimated Time to Complete Change: 1 day

Planned Delivery Dat: March 16, 2012

List Affected Subsystems and PGE Names: Inversion 4.5-6.1P4, 4.5-6.1P5, and 4.5-6.2P2; SARB 5.0P2 and 7.2.1P1; and TISA 9.2P1 and 9.0P1

Date & Time: 2012-03-15 14:51:49

Originator: SUN-MACK, SUNNY (SSAI)



## CERES Software Configuration Change Request Submittal

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Subsystem: CERESlib                      SCCR Date & TIME: 2011-11-28 13:09:06                      SCCR No.: 875

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ADDITIONAL CHANGES TO SCCR NO. 875:

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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):

Fixing the 'quota.pl' script to work with the new version of the mmlsquota program that was installed with the GPFS upgrade.

Updated the test\_suites expected data to account for the updates to weights.f90 and solar\_declination.f90.

Added new exit status constants in ceres\_status. Added new optional arguments to Finutl and WriteStatus to accept an optional, user-defined exit code.

Reason for Change (non-Science):

The output format of the mmlsquota program changed slightly following the GPFS upgrade, so a slight modification to the quota script was necessary.

The updates to weights and solar\_declination Fortran 90 source code required new expected data to be created.

New exit code constants were added to ceres\_status to support subsystem Fortran code deliveries to AMI-P.

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: 3/19/2012

List Affected Subsystems and PGE Names: All AMI PGEs

Date & Time: 2012-03-19 15:58:02

Originator: HILLYER, THOMAS N. (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

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ADDITIONAL CHANGES TO SCCR NO. 886:

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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):

Fixed platform selection problem for dual-platform PGEs in CERES::AJSS\_PGE.

Added Log4perl library in support of CERES Processing System.

Reason for Change (non-Science):

Issue was identified with dual-platform PGEs using CERES::AJSS\_PGE that resulted in module ignoring platform selection and going with defaults.

Log4perl will be used for logging processing server events for debugging purposes.

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: 3/19/2012

List Affected Subsystems and PGE Names: All AMI PGEs

Date & Time: 2012-03-19 18:15:24

Originator: HILLYER, THOMAS N. (SSAI)

## CERES Software Configuration Change Request Submittal

=====

Subsystem: Toolkit

SCCR Date & TIME: 2012-03-08 06:58:31

SCCR No.: 887

Parameter Change: ( ) YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Adjust the Makefile for Toolkit's PGS\_IO\_GEN libraries to include "gfortran" as a valid Fortran 90 compiler in order to build the F90 version (instead of the F77 version) of PGS\_IO\_GEN to enable the "APPEND" mode for opening log files.

Reason for Change (non-Science):

Regardless of whether or not Fortran 90 is specified in the Toolkit installer script, the Makefile for PGS\_IO\_GEN performs its own method for determining compilation mode by expecting the Fortran 90 compiler's name to match the following pattern: "\*f90\*". "gfortran" does not match that pattern, so PGS\_IO\_GEN is built in Fortran 77 mode which does not allow several ERBEl-like PGEs to run as expected.

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: 3/8/2012

List Affected Subsystems and PGE Names: ERBEl-like

Originator: HILLYER, THOMAS N. (SSAI)

**Table 6. March 21, 2012 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
Toolkit Issues	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>• SCCR 887 - Toolkit v16 fix for F90 IO_GEN modules installed on <i>AMI</i> and <i>AMI-P</i>. Code has been placed into CERES SVN and all modifications from baseline Toolkit v16 made by the ASDC and the DMT have been identified and tracked. Code was also delivered to CERES CM. (Hillyer)</li> </ul>	
CERES-lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>• SCCR 875 – Merged Edition4 SSF HDF updates from Walt Miller. (Hillyer)</li> <li>• Building test version of GCC 4.5.3 on Power 6 and x86_64: Ada (x86-only), C, C++, Objective-C, and Fortran. GCC provided tests were positive for both architectures. Detailed results will be presented during CPOB meeting. (Hillyer, Wilkins)</li> </ul>	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>• SCCR 886 – Added makefiles and new directory structure for platform dependent Perl_Lib code. Added log4perl logging library. Added help message override functions in support of Clouds delivery. (Hillyer, Wilkins)</li> </ul>	
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> <li>• Attended meetings to discuss requirements, schedule, and implementation. (Hillyer, Wilkins)</li> <li>• Diagramming design details for processing system. (Wilkins, Hillyer)</li> <li>• Built LDAP-based login system backend code and frontend RPCs. Process controller successfully binds users to the <i>AMI</i> LDAP. PR Web application successfully logged in and established a connection. (Hillyer, Wilkins)</li> <li>• Designing and implementing handler to work with the ASDC epilogue scripts. (Hillyer, Wilkins)</li> <li>• Defining and testing other XML-RPC methods for process controller. (Hillyer, Wilkins)</li> </ul>	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> <li>• SCCR 882 – Promoted to production. (Spivak)</li> <li>• SCCR 878 – Continue updates to CER1.1P8. Updating the existing HTML QC reports to include all necessary updates for security. (Grepitotis, Timcoe)</li> </ul>	

**Table 6. March 21, 2012 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
1.0 (Cont'd)	Cooper (Grepitotis)	<ul style="list-style-type: none"> <li>• 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)</li> <li>• A possible issue with the conversion of the attitude data in CER1.0P2 is being investigated. Still investigating to discover how to fix the issue. (Hess, Spivak)</li> <li>• Updated the Instrument Operator's Manual to remove disabled Ada PGEs and provide more information on the various options available for the new SGE-Driver scripts for each remaining PGE. (Cooper)</li> <li>• Updated the Instrument Test Plan to remove disabled Ada PGEs. (Cooper)</li> </ul>	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> <li>• SCCR 867 - Successfully resolved ddbint execution problem with Toolkit upgrade and 2.3/3.1P1 recompilation (i.e., 'APPEND' file mode now works on x86). Verified CMSGX file created correctly. Also recompiled and tested 2.2P1 on x86 with same 'p6' code (i.e., erbelike_lib/inutil.f90). Doing so on ab01 revealed lack of ppm to gif conversion capability on this node, resulting in command-line ES8 plot failure (SGE jobs work). Finished x86 (i.e., exit codes) upgrades to CER2.3P1 scripts and compared outputs to DPO equivalent. Did the same for 2.3P2. Began resolving ES4 ppm generator compilation issues and SGE script updates to CER2.2P1 to conform with latest libraries. (Lande, Hillyer, Grepitotis)</li> <li>• SCCR 867 - Conducted and documented CER2.1P1 and CER2.4P1 'Robust Test' results. Noted that x86 and p6 outputs from CER2.4P1 are different, so preparing Test Plan difference code to accept these "overkill digit" differences. Also, began planning for SGE script updates to CER2.4P1. (Walikainen)</li> <li>• Presented February 2012 FM5 three channel analysis to Science Team. Adjusted WN channel threshold to FM4's, the highest pre-NPP threshold. (Walikainen)</li> </ul>	

**Table 6. March 21, 2012 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
2.0 (Cont'd)	Walikainen (Lande)	<ul style="list-style-type: none"> <li>Updated Aqua and FM5 standing PRs for Instrument and ERBE-like (split into separate FM3/FM4 PRs, split NPP into covers closed/open periods and include new SCCR/CC values). (Lande)</li> </ul>	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> <li>SCCR 809 - Completed all test runs and ran validation code for Clouds Edition 4 delivery. (Smith)</li> <li>SCCR 809 - Finalized all script changes for Edition 4 delivery. (Smith)</li> <li>SCCR 809 - Completed updates to Test Plan, Operators Manual, and Robust Test Case chart for Clouds. (Smith)</li> <li>SCCR 809 - Ran Robust Test cases. (Smith)</li> <li>SCCR 809 - Wrote a script to pick out those consecutive granules from the missing MOD04 filelist. List of missing MOD04 data for 2004 and 2005 were created. (Chen)</li> <li>SCCR 809 - Generated lists of mismatch between MOD02 and MOD 03 data from 2000 to 2011. (Chen)</li> <li>SCCR 809 - Worked out the subset code for MODIS radiance data from GSFC. Sample subset MODIS data were created and validated. (Chen)</li> <li>SCCR 809 - Produced MOD02 subsetted files 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)</li> <li>Copied MOA files to NEWS directory to deal with the different version issue. October of 2010 C3M for clouds, inversion, and SARB were processed. (Chen)</li> <li>Continue checking the daily ingest completion of VIMD and VAOT data on /ASDC_archive. (Chen)</li> <li>Updated Terra and Aqua Viewer Web Pages. (Brown)</li> </ul>	

**Table 6. March 21, 2012 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> <li>• Processed QC global images and statistics for Aqua Edition 1C for 201111 as well as seasonal results for 2011. Results were posted on the Web. (Brown)</li> <li>• SCCR 809 - Processed QC global images and statistics for Edition 4 validation results for Terra (200712) and Aqua (200810), corresponding Edition 2 results, and differences between both versions. Results were posted on the Web. (Brown)</li> <li>• Completed spherical projection and user interface for Daily RGB package. (Gibson)</li> <li>• Began work on making the RGB DX code portable between packages (CloudVis, Daily, Global, etc.). (Gibson)</li> <li>• Working on SCCR Dashboard development. (Heckert)</li> <li>• Working with Ed Kizer to improve security of CERES CM Website and migrate it to the Web cluster. I have added a new perl module for sanitizing HTML/Script from input to the SCCR form. Working to incorporate that into the code. (Heckert)</li> <li>• Making some bug fixes to the CERES PR tool after getting feedback from testing. Completed a code overhaul last week that should improve maintainability. (Heckert)</li> <li>• Working with Pat's group to find the reason or cause for the discrepancy in optical depth between CERES and Modular. (Sun-Mack)</li> <li>• Working on building VIIRS library. (Sun-Mack)</li> <li>• SCCR 809 - Updated SCCR 809 and requirements log. (Sun-Mack)</li> <li>• SCCR 809 - Lead the effort of DPO mismatch/missing MODIS granules. Worked with Yan closely. Communicated with the ASDC. (Sun-Mack).</li> <li>• SCCR 809 - Working with Rita on Clouds Ed4 delivery for any issues raised. (Sun-Mack)</li> </ul>	
4.2	Sun-Mack	<ul style="list-style-type: none"> <li>• Combined with above.</li> </ul>	
4.3	Sun-Mack	<ul style="list-style-type: none"> <li>• Combined with above.</li> </ul>	



**Table 6. March 21, 2012 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.4	Miller (Antropov)	<ul style="list-style-type: none"> <li>• CCR 809 - Found examples of robust test cases in processed data. (Miller)</li> <li>• Supported CERES Processing Tool meetings. (Miller)</li> <li>• Determined error in CloudSat height data that was triggering an end to processing in CCCM convolution code. Problem forwarded to CloudSat team. (Miller)</li> <li>• Determine Aqua FM3 SSFs that had less than 90 percent of nominal footprints. (Miller)</li> <li>• Reviewed Clouds Operator's Manual. (Miller)</li> <li>• Created sample 3D animations produced with Tecplot for TOA NetCDF files. Trying different players and CODECs to improve playing of large animations. (Antropov)</li> <li>• Working on the program to read binary SSFB and SSFA files and to write HDF5 SSF file. (Antropov)</li> </ul>	
4.5	Sothcott	<ul style="list-style-type: none"> <li>• SCCR 814 - Ran two months of Clouds data for review by the SOFA working group. (Sothcott)</li> <li>• SCCR 814 - Tested the changes to the SSF HDF file names with success. (Sothcott)</li> <li>• SCCR 814 - Begin testing the Inversion delivery package. Continued updating the test plan incorporating new SGE testing features. (Sothcott)</li> </ul>	
4.6	Sothcott	<ul style="list-style-type: none"> <li>• Combined with above.</li> </ul>	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> <li>• Continuing testing of Edition4 surface albedo history code. (Caldwell)</li> </ul>	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> <li>• No new updates. (Caldwell)</li> </ul>	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> <li>• No new updates. (Caldwell)</li> </ul>	
7.1	Nguyen (Lock)	<ul style="list-style-type: none"> <li>• Provided code to Moguo for the LW ADM study. (Nguyen)</li> </ul>	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> <li>• SCCR 885 - Delivered with updated SGE scripts. (Lock)</li> <li>• Updating the DPC for Edition 3 of SYN1deg. (Lock)</li> <li>• Preparing to update the Read program for the new Edition3 SYN1deg files. (Lock)</li> </ul>	

**Table 6. March 21, 2012 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
8.0 (Cont'd)	Nguyen (Lock)	<ul style="list-style-type: none"> <li>• Provided plots and other information to scientist to review for validation of ValR1. (Lock)</li> <li>• Provided data and plots in support of Observed and untuned TOA LW analysis. (Lock)</li> </ul>	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> <li>• Provided the statistic study of the SSF data which are the inputs to flux-by-cloud code. (Nguyen)</li> <li>• Updated flux-by cloud code to correct the missing clear-sky fluxes. Provided plots to show the improvements. (Nguyen)</li> <li>• Studying the causes of the footprints without the calculated fluxes from flux-by-cloud code. (Nguyen)</li> <li>• Validating nonGEO SRBAVG Edition4 code. Ran the code with the new Edition4 SFCB. Comparing the month means in GMT and in local time. (Nguyen)</li> </ul>	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> <li>• No new updates. (Raju)</li> </ul>	
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> <li>• Work continued on Edition4 modifications to PGEs 9.2P2 – 9.4P2. Processed 07/2001 Edition4 SSF data through all PGEs at the SCF for code and data validations. (Raju)</li> <li>• 07/01, 01/04, 10/05 Terra, 01/04 Aqua SFC files created at the SCF to provide inputs to TSI process were compared with the production versions and found no differences. (Raju)</li> <li>• Continued to help Myles Baker to familiarize with the Subsystem 9 code and the scripts. (Raju)</li> </ul>	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> <li>• No new updates. (Raju)</li> </ul>	

**Table 7. March 21, 2012 – DM Tasks**

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> <li>• Completed PR Generation testing for TISA Averaging, TISA Gridding, Synoptic SARB, and Inversion. (Lock, Sothcott)</li> <li>• Sorting through PR Generation testing feedback. (Coleman, Grune, Heckert)</li> <li>• Prepared emails with documentation for PR Subsystem Reviewers and provided to Instrument, ERBE-like, TISA Averaging, TISA Gridding, and Synoptic SARB Subsystem Teams. (Coleman)</li> <li>• Testing applications developed to date for streaming PR information from database to job submission scripts. (Heckert, Hillyer)</li> <li>• Preparing PRDB Interface Transition to Operations Plan. (Coleman)</li> <li>• Separated existing standing PRs for FM3, FM4 into PRs for FM3 and separate PRs for FM4. (Lande)</li> </ul>
CERES Websites (Kizer)	<ul style="list-style-type: none"> <li>• The CERES CM site on the Web cluster <a href="http://test-earth-www.larc.nasa.gov/cgi-bin/cerescm/mysql/cerescm.pl">http://test-earth-www.larc.nasa.gov/cgi-bin/cerescm/mysql/cerescm.pl</a> continues. Functionality of the site matches that of the original site. Modifications were also made to use the CERES Project Site banner and logos. (Kizer)</li> <li>• The CERES CM Demo database connection was fixed which allowed for full SCCR functionality testing. (Heckert, Kizer)</li> <li>• Perl library for preventing Cross-Site Scripting, DeFang, was researched and loaded on the Web cluster for use with the CERES CM site. (Heckert)</li> <li>• The CERES DM site on the Web cluster <a href="http://test-earth-www.larc.nasa.gov/cgi-bin/ceresdm/ceresdm.pl">http://test-earth-www.larc.nasa.gov/cgi-bin/ceresdm/ceresdm.pl</a> was initiated. Functionality of the site continues to be addressed. (Kizer)</li> </ul>
CERES Ordering Tool (Chu/Mitrescu)	<ul style="list-style-type: none"> <li>• A set of NOAA data was generated for internal use on the ceres-subset8. (Mitrescu)</li> <li>• Start working on a new requirement for AVG files for internal users. (Mitrescu)</li> <li>• The development for browsing SSF Level2 data continues; merger of codes was successful. (Chu &amp; Mitrescu)</li> <li>• OT Web servers were successfully transferred behind the firewall. (Chu &amp; Mitrescu)</li> <li>• Promoted 3 patches, rel. 2.1.4, 2.1.5, 2.1.6, to the OT production that include bug fixes and configuration changes to accommodate new environment. (Chu &amp; Mitrescu)</li> </ul>

**Table 8. March 21, 2012 – NPP Issues**

Activity	Status
FM5	<ul style="list-style-type: none"><li>• Continuing to monitor the receipt of CERES RDRs and tracking any related issues. Several problems with IDPS, SDS, and CLASS have caused delays in the receipt of data at the ASDC. (Cooper, Spivak)</li><li>• Continue running CER1.0P2 and CER1.1P8 in the SCF to monitor the health and safety of the FM5 instrument. (Timcoe)</li><li>• Investigated view zenith angle variations between Aqua and NPP. (Miller)</li><li>• Monitored Discrepancy Report Action Team (DRAT) teleconferences. (Miller)</li><li>• Attended Data Engineering Working Group telecon. (Miller)</li></ul>

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation <sup>1,2</sup>							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) <sup>7</sup>	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	
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	warlock 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	warlock version recompiled for 2008 Edition2, Use P4 for 3/10 forward
	CER4.1-4.1P6	N	N	N/A	SSI&T	16	N	N/A	SSI&T	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	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	N	N/A	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	N	Y	15	N	N/A	N	N/A	n/a	Ed2
	CER4.1-4.3P3	N	N	N/A	SSI&T	16	N	N/A	SSI&T	Beta2-Ed3 on P4, Ed4 to be on 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 <sup>1,2</sup>							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) <sup>7</sup>	Comments
Inversion/SOFA 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
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	<b>N</b>	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	ValRx	16	N	N/A	ValRx	New PGE for Edition3

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation <sup>1,2</sup>							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) <sup>7</sup>	Comments
SARB - 7.2	CER7.2.1P1	N	Y	16	N	N/A	ValRx	16	ValRx	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	<b>N</b>	
	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	ValRx	16	N	N/A	ValRx	New PGE for Edition3
GGEO - 11	CER11.1P10	N	Y	16	Devel	16	Devel	16	<b>N</b>	
	CER11.2P2	N	Y	16	Devel	16	Devel	16	<b>N</b>	
	CER11.4P1	N	Y	16	Devel	16	Devel	16	<b>N</b>	
	CER11.6P1	N	Y	16	Devel	16	Devel	16	<b>N</b>	
	CER11.7P1	N	Y	16	Devel	16	Devel	16	<b>N</b>	
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:		
<sup>1</sup> 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
<sup>2</sup> Prod. Platform	SGI	warlock
	P4	Magneto - IBM P4
	P6	AMI - IBM P6
	X86	AMI - IBM X86
<sup>7</sup> "New" Wrapper Scripts for AMI Status	Y	Scripts in production
	n/a	Not needed for this PGE
	N	Development not yet begun
	SSI&T	Delivered and in SSI&T (CM or SIT) testing prior to operational processing
	Devel	Development in progress for inclusion in next delivery



Revisions:		
Date	Affected Section or PGE/Product ID	Revision Made
1/3/2012	None	
1/23/2012	CER1.1P1,3,5,7, CER4.1-4.0P1	Moved to Table 3
	CER1.2P1, CER1.3P3	Changed SGI status from "Y" to "N"
	CER6.1P2, 2P2, 3P2	Removed from list
	CER10.0P3	Changed P6 status from "Devel" to "SSI&T"
	CER4.1-4.1P6, 2P4, 2P5, 3P3	Changed New Wrapper Script status from "SSI&T" to "Devel"
2/6/2012	CER10.0P1,2	Moved to disabled/deleted list (Table 3)
2/22/2012	No Updates	
3/5/2012	No Updates	
3/19/2012	4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 status and new wrapper status from "Devel" to "SSI&T"
	7.3.1P1, 7.2.1P1, 10.0P3	Changed P6 status and new wrapper status to "ValRx"