

June 8, 2011 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 06/08/11
Active Requests in order of priority as of 06/07/11**

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	
AM- PR 6-05, 7-05, and 1-10 to 4-10 PM-PRs 16-05, 18-05, 2-10, 4-10, 6-10, 8-10 PM-PRs 11-05 to 14-05, 1-10, 3-10, 5-10, 7-10	Terra FM3 FM4	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	
***** *** NEW *** ***** AM 1-11 to 7-11 PM 1-11 to 7-11	Terra Aqua	Edition1-CV	SSF Clouds and Inversion	4.1-4.1P4/5 4.1-4.2P2/3 4.1-4.3P2 4.5-6.1P2/3 4.5-6.2P2 4.5-6.4P1	Standing Request	
PR M 1-11 SCCR 830	CERES	DAO-G5- CERES	MOA	12.1P1	Standing request	
PR M 1-10 SCCR 753	CERES	DAO-G5- CERES	PMOA	9.1P1	Standing request	
The PRs that follow are the Non-Standing PRs that can be processed						

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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 1
PR 138-11 SCCR 849		Edition2A	GGEOW	11.6P1	3/2000 – 10/2005	Ready Priority Level 1
137-11 SCCR 849		CALIB	GGEOW	11.6P1	11/2005 – 2/2010	Ready Priority Level 1
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	In Progress. Complete thru 12/31/10 Priority Level 1
PRs 70-11 thru 72-11 SCCR 789	Terra Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	12/2/2010 – 1/1/11	In Progress. Complete thru 12/24/10 Priority Level 1
PRs 58-11 thru 56-11 SCCRs 812, 791, 690	FM3, FM4	Edition3A	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	6/30/10 – 12/1/10 11/1/11	In Progress. Complete thru 12/31/10 Priority Level 1
PRs 62-11 thru 64-11 SCCR 789	Aqua Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/30/10 – 12/1/10 11/1/11	In Progress. SFC Complete thru 11/10 Priority Level 1
PRs 176-10 thru 182-10 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 3

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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 3
* 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 3
PR 100-10 SCCR 794	FM3, FM4	Edition3A	SAH	5.0P2	7/02 – 3/05	Ready Priority Level 3
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 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
PR 46-09	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P1	12/1/07 - 6/30/10	Ready. Process 1 st month and wait for SS checkout Priority Level 3

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 45-09 SCCR 685	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	12/1/07 - 6/30/10	Ready. Priority Level 3
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 47-11 thru 45-11 SCCR 789	Aqua Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	3/2/10 – 7/1/10	Complete. 5/20/11
PRs 61-11 thru 59-11 SCCR 789	Terra Xtrk	Edition3A	SFC	9.2P2 9.3P2 9.4P2	6/30/2010 – 12/1/2010	Complete. 5/26/11
PR 67-11 SCCR 794	FM1, FM2	Edition3A	SAH	5.0P2	3/10 – 6/10	Complete. 6/5/11
<p>**** The PRs that follow are on HOLD. They cannot be processed until the necessary input data are available. ****</p>						
136-11 SCCR 849		CALIB	GGEOW	11.6P1	3/2010 – 12/2010	Hold – Preproduction - Input Priority Level 1
PR 68-11 SCCR 794	FM3 FM4	Edition3A	SAH	5.0P2	3/10 – 6/10	Hold. Pre-Prod Input Priority 2
PR 65-11 SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	7/10 – 11/10	Hold. Pre-Prod Input Priority Level 2
PR 69-11 SCCR 794	FM1 FM2	Edition3A	SAH	5.0P2	12/2010	Hold. Pre-Prod Input Priority Level 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 66-11 SCCR 794	FM3 FM4	Edition3A	SAH	5.0P2	7/10 – 11/10 12/10	Hold. Pre-Prod Input Priority 2
PR 16-11 SCCR 747	FM5	PreLaunch		1.0P2	9/6/10 – 9/8/10	Hold. PreProd- Waiting for input data Priority 2 – NCT3
PR 33-11 SCCR 747	FM5	PreLaunch	BDS	1.1P8	9/6/10 – 9/8/10	Hold. PreProd- Waiting for input data Priority 2 – NCT3
PR 34-11 SCCR 747	FM5	PreLaunch	PRES8	1.2P1	9/6/10 – 9/8/10	Hold. PreProd- Waiting for input data Priority 2 – NCT3
PR 35-11 SCCR 734	FM5	Prelaunch	ES8	2.2P1	9/6/10 – 9/8/10	Hold. PreProd- Waiting for input data Priority 2 – NCT3
PRs 183-10 175-10 174-10 173-10 82-11 SCCR 797	Merged	Edition3A	SYNI	7.2.1P1	7/02 – 10/05 11/05 – 4/06 1/06, 5/06 – 12/07 12/07 – 6/10 7/10 – 12/10	Hold. PreProd- Waiting for input data Priority 3
<p>**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-operational testing and been promoted ****</p>						
PR 86-11 SCCR 842	NPP	ValR23		1.0P2	9/6/10 – 9/8/10	Hold. PreProduction – Promotion Priority 1

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 87-11 SCCR 843	NPP	ValR23	BDS, IES	1.1P7	9/6/10 – 9/8/10	Hold. PreProduction – Promotion Priority 1
PRs 88-11 89-11 thru 91-11 SCCR 838	NPP Terra Aqua	ValR23	BDS, IES	1.1P8	9/6/10 – 9/8/10 3/00, 11/04, 4/09 9/02, 4/11, 4/09	Hold - PreProduction – Promotion Priority 1
PRs 92-11 thru 96-11, 99-11 thru 101-11, 104-11 thru 108-11 SCCR 716	Terra Aqua	ValR23, ValR23-Ed2 ValR23-Ed3	BDS, IES	1.2P1 1.3P1 1.3P2 1.3P3	3/00, 11/04, 4/09 9/02, 4/11, 4/09	Hold - PreProduction – Promotion Priority 1
PRs 97-11, 98-11 102-11, 103-11 SCCRs 756, 770	Terra Aqua	ValR23		1.4P1 1.4P2	3/00, 11/04, 4/09 9/02, 4/11, 4/09	Hold - PreProduction – Promotion Priority 1
PR 109-11 SCCR 842	NPP	ValR24		1.0P2	9/6/10 – 9/8/10	Hold. PreProduction – Promotion Priority 1
PR 110-11 SCCR 843	NPP	ValR24	BDS, IES	1.1P7	9/6/10 – 9/8/10	Hold. PreProduction – Promotion Priority 1
PRs 111-11, 112- 11 SCCR 716	NPP	ValR24	BDS, IES	1.2P1, 1.3P1	9/6/10 – 9/8/10	Hold. PreProduction – Promotion Priority 1

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 113-11 SCCR 756	NPP	ValR24	BDS, IES	1.4P1	9/6/10 – 9/8/10	Hold. PreProduction – Promotion Priority 1
PRs 114-11 - 116-11 SCCR 843	Terra Aqua	ValR24	BDS, IES	1.1P3 1.1P5	3/00, 11/04, 4/09 9/02, 4/11, 4/09	Hold. PreProduction – Promotion Priority 1
PRs 117-11 thru 122-11, 125-11 thru 127-11, 130-11 thru 135- 11 SCCR 716	Terra Aqua	ValR24, ValR24-Ed2, ValR24-Ed3	BDS, IES	1.2P1 1.3P1 1.3P2 1.3P3	3/00, 11/04, 4/09 9/02, 4/11, 4/09	Hold - PreProduction – Promotion Priority 1
PRs 123-11, 124- 11 SCCR 756	Terra Aqua	ValR24		1.4P1	3/00, 11/04, 4/09 9/02, 4/11, 4/09	Hold - PreProduction – Promotion Priority 1
PRs 128-11, 129-11 SCCR 770	Terra Aqua	ValR24		1.4P2	3/00, 11/04, 4/09 9/02, 4/11, 4/09	Hold - PreProduction – Promotion Priority 1
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 –PreProd- Waiting for Promotion Priority Level 2
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 –PreProd- Waiting for Promotion Priority Level 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
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 164-10 thru 169-10, 83-11, 84-11 SCCR 833	Merged	Edition3A	TSI	10.0P3, 7.3.1P1	7/02 - 6/10 7/10 – 12/10	HOLD – PreProd- Waiting for Promotion Priority Level 3
PRs 191-10 190-10, 189-10 188-10 81-11 SCCR 795	Merged	Edition3A	SYN1deg- 3Hour/ M3Hour/ Month	8.1P1	7/02 – 4/06 1/06, 5/06 – 12/07 12/07 – 6/10 7/10 – 12/10	HOLD –PreProd - Waiting for Promotion Priority Level 3
PRs 16-10 SCCR 749	CERES	ValR4x86- Ed3	MOA	12.1P2	7/04	HOLD –PreProd - Waiting for Promotion Priority Level 2
PR 15-10 SCCR 749	CERES	ValR4p6-Ed3	MOA	12.1P2	7/04	HOLD – PreProd- Waiting for Promotion Priority Level 2
PR 37-10 SCCR 749	CERES	ValR4x86- Ed2	MOA	12.1P1	7/04	HOLD –PreProd- Waiting for Promotion Priority Level 2
PR 36-10 SCCR 749	CERES	ValR4p6-Ed2	MOA	12.1P1	7/04	HOLD –PreProd- Waiting for Promotion Priority Level 2

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
PR 6-11 SCCR 749	CERES		MOA	12.1P2	2/28/2000 – 3/1/2010	HOLD –PreProd- 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	
	FM1 FM2	Beta1-Ed4	SSF	Clouds, Inversion	2/28/00 – 2/1/01	Begin with months that we have latest GMAO data for
	FM3 FM4	Beta1-Ed4	SSF	Clouds, Inversion		

Table 2. June 8, 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 838 – Installed, compiled, and tested Instrument on <i>AMI-P-P6</i>, and released it to the ASDC on May 26. (Ayers) • SCCR 849 – Installed this GGEO delta delivery on <i>magneto-P4</i> and released it to the ASDC on May 26. (Ayers) • SCCR 842 – Installed, compiled, and tested Instrument on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>, and released it to the ASDC on May 27. (Ayers) • SCCR 848 – Installed, compiled, and tested Instrument on <i>AMI-P-P6</i> and <i>AMI-P-x86</i>, and released it to the ASDC on May 27. (Ayers) • SCCR 843 – Testing Instrument PGEs CER1.1P1, 3, 5, and 7 on <i>AMI-P-x86</i>. (Ayers) • SCCR 770 – Testing Instrument PGE CER1.4P2 on <i>AMI-P-x86</i> and <i>AMI-P-P6</i>. (Ayers) • SCCR 838 - Posted the updated Instrument Test Plan on the Web and provided it to the ASDC. (Saunders) • SCCR 842 – Posted the updated Instrument Test Plan on the Web and provided it to the ASDC. (Saunders) • SCCR 809 – Received updated Clouds delivery. (Ayers)
<i>AMI</i> Job Submission Scripts – Phase 1	Ayers (Grepitotis)	<ul style="list-style-type: none"> • Development continues on the scripts for upcoming deliveries. (Grepitotis, Hillyer)

Table 3. CERES Subsystem Delivery Schedule – June 2011
(CERES Science Team Meeting: October 4 – 6, 2011, in Livermore, CA)
(NPP Launch Date: October 25, 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 On hold 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>
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>
Instrument (SCCR 843)	April 29	May 13 In CM Queue	May 20	Fix problem with Gimbal and Memory Dump data output from CER1.1P1, 3, 5, & 7.	X		<i>AMI-P6</i>
Inversion (SCCR 814)	June 3	June 17	June 24	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>
ERBE-like (SCCR 740)	June 24	July 8	July 15	Delivery of all ERBE-like PGEs to <i>AMI</i> . (Edition2/Edition3)			<i>AMI-P6</i>
Instrument	July 15	July 29	August 5	Update to use Toolkit time conversion routines and fix issues discovered in NCT 4.			<i>AMI-P6 & AMI-x86</i>
Instantaneous SARB		Spring		Beta1-Edition4 CRS.			<i>AMI-P6 & AMI-x86</i>
GGEO		Summer		Beta1-Edition4 GGEO delivery.			<i>AMI-P6</i>

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(NPP Launch Date: October 25, 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 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 – June 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 May 23 at 2:00 p.m. – June 7 at 11:00 a.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
756				X		Instrument		
809		X				Clouds	15	
833				X		TISA Averaging		
848	X	X	X			Instrument	19	
849	X		X			GGEO	21	
850	X					SARB	22	

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

CERES Software Configuration Change Request Submittal

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Subsystem: Clouds

SCCR Date: 06/27/2011

SCCR Number: 809

Parameter Change: (X) YES () NO

Description of Change (Science):

(1) Implemented Terra calibrations for 7 MODIS bands (0.6, 0.87, 1.24, 2.13, 0.47, 0.55 and 1.38 um) for both radiances and reflectance. The specific calibrations are as following (Req. 4-12.5):

$$\text{TerraNew} = g * \text{TerraOld},$$

where $g = a_0 + a_1 * \text{DSL}$, DSL=days since Aqua launch, Aqua launch date = May 14, 2002 (2002, 134)

no calib change ==> launch to May 14, 2002

1st calib period ==> May 15, 2002 -- Nov 19, 2003

2nd calib period ==> Nov 20, 2003 -- March 31, 2009

3rd calib period ==> April 1, 2009 --- Dec 31, 2010)

1st time period 2nd time period 3rd time period

channel	ao1	a11	ao2	a12	ao3	a13
0.6	1.01	0.0	1.019	0.0	1.0320	0.0
0.87	0.9996	0.0	1.001	2.904e-6	1.0059	0.0
1.24	0.9724	0.0	0.9736	0.0	0.9706	0.0
2.13	0.9917	0.0	0.9957	0.0	0.9995	0.0
0.47	0.9958	1.182e-5	0.9997	9.662e-6	1.0368	0.0
0.55	1.0016	0.0	1.0105	0.0	1.0219	0.0
1.38	1.0307	0.0	1.0429	0.0	1.0430	0.0

(2) Due to above (1) calibration changes, snow-free and snow-covered directional models for 1.24 um were re-created (Req. 4-12.5).

(3) Due to above (1) calibration changes, monthly start-up maps for snow-free and snow-covered for 0.6, 1.24 and 2.13 um were re-generated (Req. 4-12.5).

(4) Modified cloud phase algorithm to fix the problem of calling supercool clouds ice (Req.4-12.17).

(5) Improved cloud mask retrieval over polar regions (Req. 4-12.24).

(6) Improved the final mask (combined cloud mask, VISST retrieval and CO2 slicing retrievals) to remove false clouds, likely to be aerosols (Req. 4-12.24).

(7) Removed fill-in-the-no-retrieval process (fill in with either LBTM or neighboring average value when there is no-retrieval) for 1.24 and 2.1 size retrievals (Req.4-12.13).

(8) Upper-layer cloud optical depths were incorrectly calculated. Implemented the corrections (Req. 4-12.25).

(9) Implemented the solution for SIST (night time retrieval) particle size pegging issues, that is we hit the largest or smallest value of Re/re (Req.4-12.19).

(10) Zhonghai Jin's visible clear sky ocean reflectance model at TOA used standard atmosphere. Clouds subsystem calculates clear sky ocean reflectance with water vapor and ozone absorptions provided by GMAO. Added the modifications to take care this inconsistency (Req. 4-12.8).

Reason for Change (Science):

(1) - (3) To have more accurate calibrations.

(4) To improve cloud phase retrieval.

(5) To improve CERES cloud mask.

(6) To improve CERES cloud mask.

(7) To improve 1.24 and 2.1 μm size retrievals.

(8) Bug fix.

(9) To solve night time size pegging issues.

(10) To have a consistent water vapor and ozone absorptions when using Zhonghai Jin's visible clear sky ocean reflectance model at TOA.

Description of Change (non-Science):

(1) Clean-up scripts were modified to also clean up SGE outputs.

Reason for Change (non-Science):

(1) Without cleaning-up SGE outputs, jobs using SGE will not start.

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 effective radius for cloud layer (3.7)
SSF-106 Stddev of ice particle effective 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 effective 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 effective 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 effective radius for Multilayer (3.7)
SSF-114k Mean water particle radius for Multilayer (2.1)
SSF-114l Mean ice particle effective 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: Completed

Planned Delivery Date: Delivered (June 2, 2011)

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: 2011-06-07 09:26:49

Originator: SUN-MACK, SUNNY (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Instrument

SCCR Date: 05/25/2011

SCCR Number: 848

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Req. 1-42: Recompile CER1.2P1 to use new CERESlib metadata.

Reason for Change (non-Science):

Req. 1-42: CER1.2P1 needs to be recompiled to use the latest CERESlib metadata routines, which have been modified to support NPP-FM5 in the metadata fields.

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

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem: CER1.2P1

Estimated Time to Complete Change: 1 day

Planned Delivery Date: No need to redeliver

List Affected Subsystems and PGE Names: Instrument CER1.2P1

Date: 05/26/2011 Status: Approved

Originator: COOPER, DENISE L. (SSAI)

ADDITIONAL CHANGES TO SCCR NO. 848:

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Req. 1-42: Update PCF generator to use newest directory structure for TRMM eph/att data.

Reason for Change (non-Science):

Req. 1-42: The directory structure for TRMM eph/att data was modified to allow for the ingested TRMM eph/att format into DPREP and the output of the TRMM DPREP. The PCF generator needs to be updated to take the new directory structure into account.

Parameter(s) and Product(s) Being Changed (Use Name(s) from Data Products Catalog) and

Description of Parameter Change:

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem: CER1.2P1

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 5/27/2001

List Affected Subsystems and PGE Names: Instrument CER1.2P1

Date & Time: 2011-05-27 13:20:10

Originator: COOPER, DENISE L. (SSAI)

CERES Software Configuration Change Request Submittal

=====

Subsystem: GGEO SCCR Date & TIME: 2011-05-26 13:20:17 SCCR No.: 849

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Requirement #: 11.6-31

Delta delivery

Updated Ascii input files to process GGEO product up to 02/2010 through PGE CER11.6P1 on P4.

Reason for Change (non-Science):

Requirement #: 11.6-31

Delta delivery

Updates were made to some of the Ascii input files to set bad scan data hours to defaults . These hours were missed on the previously delivered files (SCCR 818).

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: 11.6P1

Estimated Time to Complete Change: completed

Planned Delivery Date: Thursday 26, 2011

List Affected Subsystems and PGE Names: Tisa averaging: SS10, SS7.1

Originator: RAJU, RAJA (SSAI)

CERES Software Configuration Change Request Submittal

=====

Subsystem: SARB SCCR Date & TIME: 2011-06-07 09:21:10 SCCR No.: 850

Parameter Change: () YES (X) NO

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
(Req# 5-26.0)
Delivery of MATCH data for July 2010 through December 2010 to magneto.

Reason for Change (non-Science):
(Req# 5-26.0)
Data is required to run PGE 5.0P2 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: June 7, 2011
List Affected Subsystems and PGE Names: 5.0P2 InstSARB Preprocessor

Originator: CALDWELL, THOMAS E. (SSAI)

Table 6. June 8, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Grepitotis)	<ul style="list-style-type: none"> Nothing to report. (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 846 – Adding 'Toolkit::PCF', 'Log::PCF' modules to Perl_Lib to handle future PCF and PCF Log file generation and reading. Adding 'Log::Client' module to Perl_Lib to handle communication with the logging server. Adding 'SGE::QStat' module to parse information retrieved from Sun Grid Engine's qstat. Updating 'Log::Summary' module to provide accessor methods for retrieving instance specific information from the Summary file/object. (Hillyer) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> SCCR 838 – In CERES CM testing. (Timcoe, Grepitotis) SCCR 842 – In CERES CM testing. (Spivak, Hillyer) SCCR 843 – In CERES CM testing. (Timcoe, Grepitotis) SCCR 770 – Updates to fix issues during the comparisons were fixed and updates were given to CERES CM to allow them to continue testing. (Cooper) A problem was discovered with the code delivered for CER1.0P2; the code is not using the Toolkit time conversion routines. This will not adversely affect NCT 4 processing. This code will be updated and delivered after NCT 4. If any problems with the PGE are discovered during NCT 4, fixes for those problems will also be delivered with this update. (Spivak) 	
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> Examining FM1 trend plots. Currently, ERBELike analysis uses nearly-coincident FM1 and FM2 nadir footprints. FM5, a single instrument, will require a new protocol. Hopefully, FM1 trend plots will serve as a guide for this new protocol. (Walikainen) 	

Table 6. June 8, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0 (Cont'd)	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR-740 - Succeeded in recompiling ES-8 Web graphics on <i>AMI</i> after modifications to source codes, but resulting 32-bit executables, when run via updated plotting scripts, caused segmentation fault. Recompilation in 64-bit mode allowed only for Scene ID execution. Updated Promoted Directories document. (Lande) • Found and had Beth Flug fix hard-coding of ES-4 Web page to FM3 as the only instrument(s) option for Browse Images (now allows user to select 13). Began going over her material on how to make the new ERBE-like Web products on <i>magneto</i> accessible to the <i>warlock</i>-based <i>lposun</i> Web page and transfer the old Web products at the same time. (Lande) • Added PRs to Instrument ValRs 23 (107-11) and 24 (133/134-11) to include Aqua in the Ed3 validation. (Lande) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • SCCR 809 - Reran all test cases for Edition 4 Clouds delivery. (Smith) • Began creating post-processing software to produce data and plots from GEWEX netcdf files. (Smith) • Fixed problems in PCF generator script to handle the first day of the month. Regenerated NEWS products for the first day of months in 2009 and 2010. (Chen) • Preparing the Poster of Clear-Sky Narrowband Albedo Datasets derived from MODIS Data for ISALSaRS 2011 conference. (Chen) • SCCR 809 - QC global images and statistics were produced for Terra Edition4 for 200807. Results were posted on the Web. (R. Brown) • Working on code to produce zonal time series results. (R. Brown) 	

Table 6. June 8, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Worked to streamline and add flexibility to the CloudVis difference package by separating the gui from the executable code, and designing and testing an interface process. (Gibson) • Continued work on preparation of images for the Cloud Particle Phase difference parameter. (Gibson) • SCCR 809 - Worked on 1.24/2.1 mm cloud phase algorithm to remove blockiness. (Sun-Mack) • SCCR 809 - Worked on final over-write-mask algorithm to fine-tune the thresholds. (Sun-Mack) • Preparations of the talk presentation in ISALSaRS 2011 conference: Processed 200807 with the latest delivered Ed4 code. Calculated 3.7/2.1/1.23 cloud particle sizes for water and ice clouds respectively. Processed MODIS team MOD08 product for validation purpose. (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"> • Continued to correct data problems in ERBE NOAA-9 data. Provided feedback to the data producers to correct problems. (Miller) • Reviewed surface flux model paper that used CCCM data. (Miller) • Worked on the program for new GRing construction algorithm - testing, adding TecPlot output. (Antropov) (Edition4) 	
4.5	Sothcott	<ul style="list-style-type: none"> • SCCR 814 - Continued processing multiple days of data for each month of 2008 for Alex Radkevich. (Sothcott) • SCCR 814 - Continued work on the Inversion Test plan. (Sothcott) • SCCR 814 - Completed testing on the changes to CER4.5-6.2P3. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	

Table 6. June 8, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> Processed a month of proto-Edition4 CRS for July 2008. Initial analysis is underway. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> Processed a year of Edition4 MOA for Sunny from Sep 2000 through August 2001 using G5.4 inputs on DPO. (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"> Updated the TSI code and scripts to include the following options: GGEO and nonGEO, Terra only, Aqua only, and merged Terra-Aqua SFCBs to create TSI data with the above options for the comparison with GERB. (Nguyen) Practiced using subversion to keep track deliver and validation code. (Nguyen) 	
8.0	Nguyen (Lock)	<ul style="list-style-type: none"> Added the CER8.1P1 version of the code in subversion. (Nguyen) 	
10.0	Nguyen (Lock)	<ul style="list-style-type: none"> Reran from April through August of 2005 – 2010 Aqua xglb files with the modified code. Provided the data and plot code to the ordering tools group to add in the QC part of the Lite products as requested by Dave Doelling. (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 763 – No update on the delivery date. Waiting for TISA science team approval. (Raju) Responded to Dave Doelling’s inquiry regarding June 2009, 2010 SSF data that is supposed to have every CERES footprint information and its effect on SFC process. Compared June & July SFC data sets and found no big differences in the number of footprints for the regions. (Raju) Continue to assist Betty Lock and Syed Hazari in ISCCP-D2like-Flx process. (Raju) 	

Table 6. June 8, 2011 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
9.0 (Cont'd)	Raju (Nguyen)	<ul style="list-style-type: none"> • Continue to work on the development of ISCCP-D2like-Flx PGE code. Monthly mean average of the 42 cloud types and 2 clear fluxes will be output in HDF. Working on updating Data Products Catalog for generating HDF output. (Hazari) • SCCR 765 – There is still questionable output data from the ISCCP code. The time consuming process of determining the accuracy of this program's output and the provided input values is under review. In some cases there is no Total Clear Sky data and in other cases Partly cloudy (cloud fraction < 1.0) has no clear sky information to capture the remainder. Other parameters are under investigation also. We are attempting to determine if the problem is upstream or ours. Examples have been provided to Dave and Moguo for further investigation which includes reviewing the input data (i.e., why is there ice info at the equator). A verification program is being written to compare the ISCCP data to the SFC data for the various cloud layers, in order to get a magnitude of the accuracy. (Lock) 	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> • Creating 3-hourly Web plots using latest versions of GGEO/GGEOW data for months 11/05 – 12/10. (Raju) • Continue to work on the GGEO vs. MODIS cloud comparison CER11.4P1 software. (Raju) 	

Table 7. June 8, 2011 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none">• Updated and distributed list of statuses according to meeting to define PR review process. (Coleman)• Working on development of Approval/Rejection process for PRs. (Heckert)• Developing a tool to look up CC codes based on various criteria (date range, product, satellite, etc). (Heckert)
Ordering Tool (Kizer)	<ul style="list-style-type: none">• Nothing new to report. (Kizer)

Table 8. June 8, 2011 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none">• Attended User Conclave and Customer Forum in Asheville, NC. (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	Devel	16	Devel	16	Devel	C++ RDR Pre-Processor
	CER1.1P1	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	To be disabled when C++ working- CER1.1P8
	CER1.1P3	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	To be disabled when C++ working- CER1.1P8
	CER1.1P5	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	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	SSI&T	16	SSI&T	C++ NPP, Terra, Aqua
	CER1.2P1	Y	N	N/A	SSI&T	16	SSI&T	16	SSI&T	C code, NPP capable.
	CER1.3P1	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	Replace with CER1.4P1 on P6
	CER1.3P2	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	Replace with CER1.4P2 on P6
	CER1.3P3	Y	N	N/A	N	N/A	SSI&T	16	SSI&T	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	
ERBE-like - 3	CER2.4P1	Y	Y	16	Devel	16	Devel	16	Devel	
	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
	CER5.4P2	N	Y	16	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	SSI&T	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
	CER9.4P2	N	SSI&T	16	N	N/A	N	N/A	n/a	New PGE for Edition3
TISA Avg - 10	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	SSI&T	16	Devel	16	N	N/A	Devel	New PGE for Edition3

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)	
Subsystem ID	PGE ID	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	Comments
GGEO - 11	CER11.1P10	N	Y	16	Devel	16	Devel	16	N	
	CER11.2P2	N	Y	16	Devel	16	Devel	16	N	
	CER11.4P1	N	Y	16	Devel	16	Devel	16	N	
	CER11.6P1	N	Y	16	Devel	16	Devel	16	N	
	CER11.7P1	N	Y	16	Devel	16	Devel	16	N	
Regrid MOA - 12	CER12.1P1	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	
4/26/2011	none	
5/9/2011	CER4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 and New Wrapper Status from "SSI&T" to "Devel"
	CER1.0P2, CER1.1P1,3,5, CER1.1P8	Changed P6, X86, and New Wrapper Status to "Devel"
	CER7.3.1P1, CER10.0P3	Changed P4 status from "Devel" to "SSI&T"
5/23/2011	CER1.1P1,3,5, CER1.1P8	Changed X86, and New Wrapper Status from "Devel" to "SSI&T"
6/6/2011	CER1.2P1, CER1.3P1,2,3	Changed X86, and New Wrapper Status from "ValRx" to "SSI&T"
	CER4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 and New Wrapper Status to "SSI&T"