

## September 3, 2008 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 9/02/08**  
**Active Requests in order of priority**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
M-PR 3-02		NSIDC-NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	
PR 29-08	FM4	ValR10	Instrument	1.1P5	3/5/05 3/15/05 3/25/05	Done. 8/21/08
PR 29-08B	FM4	ValR10	Instrument	1.1P5	8/31/07 – 10/01/07	Done. 8/21/08
PR 30-08	FM1, FM2, FM3	ValR10	Instrument	1.1P3 1.1P5	8/31/07 - 10/1/07 3/5/05 - 3/5/05 3/15/05 - 3/15/05/ 3/25/05 - 3/25/05	Done. 8/21/08
PR 25-08	FM4	ValR10	Instrument	1.3P1	09/01/07 – 09/30/07	Done. 8/21/08
PR 26-08	FM1, FM2, FM3	ValR10	Instrument	1.3P1	09/01/07 – 09/30/07	Done. 8/21/08
PR 27-08	FM4	ValR10	Instrument	1.3P2	09/07	Done. 8/21/08
PR 28-08	FM1, FM2, FM3	ValR10	Instrument	1.3P2	09/07	Done. 8/21/08
PR 30-08B	FM1, FM2, FM3	ValR10	Instrument	1.2P1	8/31/07 - 10/1/07 3/5/05 - 3/5/05 3/15/05 - 3/15/05/ 3/25/05 - 3/25/05	Done. 8/21/08
PR 29-08C	FM4	ValR10	Instrument	1.2P1	3/5/05 - 3/5/05 3/15/05 - 3/15/05/ 3/25/05 - 3/25/05	Done. 8/21/08
PR 29-08D	FM4	ValR10	Instrument	1.2P1	8/31/07 – 10/1/07	Done. 8/21/08
PR 31-08D	FM1, FM2, FM3, FM4	ValR10	ERBE-like	2.2P1	9/01/07 – 9/30/07 3/5/05 – 3/5/05 3/15/05 – 3/15/05 3/25/05 – 3/25/05	Done. 8/21/08
PR 31-08C	FM1, FM2, FM3, FM4	ValR10	ERBE-like	2.3P1	10/1/07	Done. 8/21/08

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PR 31-08B	FM1, FM2, FM3, FM4	ValR10	ERBE-like	2.3P2	8/31/07	Done. 8/21/08
PR 31-08	FM1, FM2, FM3, FM4	ValR10	ERBE-like	3.1P1	09/07	Done. 8/21/08
PR 23-08	FM4	ValR10-Ed2	Instrument	1.3P1	3/5/05 3/15/05 3/25/05	In progress
PR 24-08	FM1, FM2, FM3	ValR10-Ed2	Instrument	1.3P3	3/5/05 3/15/05 3/25/05	In progress
PR 22-08	FM4	ValR10-Ed2	Instrument	1.2P1	3/5/05 3/15/05 3/25/05	In progress
PR 21-08	FM1, FM2, FM3	ValR10-Ed2	Instrument	1.2P1	3/5/05 3/15/05 3/25/05	In progress
PR 34-08	FM1, FM2, FM3, FM4	ValR10-Ed2	ERBE-like	2.2P1	9/01/07 – 9/30/07 3/5/05 – 3/5/05 3/15/05 – 3/15/05 3/25/05 – 3/25/05	In progress
PR 33-08	FM1, FM2, FM3, FM4	ValR10-Ed2	ERBE-like	2.3P1	10/01/07	In progress
PR 32-08	FM1, FM2, FM3, FM4	ValR10-Ed2	ERBE-like	2.3P2	8/31/07	In progress
PR 65-08	FM3, FM4	Beta4	SYN/AVG /ZAVG (SS 8)	8.0P1	7/02 – 10/05 Seasonal months except Aprils	Process when inputs are available
PR 66-08	FM1, FM2	Beta4	SYN/AVG /ZAVG (SS 8)	8.0P1	7/00 – 10/05 Seasonal months except Aprils	In progress
PR 72-08	FM1, FM2	Beta5	TSIB	7.1.1P1	4/00 – 4/05 Aprils only, plus 01/01, 02/01, 02/04	Process upon promotion
PR 71-08	FM3, FM4	Beta5	TSIB	7.1.1P1	4/02 – 4/05 Aprils only	Process upon promotion

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PR 70-08	FM1, FM2	Beta5	SYNI	7.2.1P1	4/00 – 4/05 Aprils only	Process as soon as inputs are available
PR 69-08	FM3, FM4	Beta5	SYNI	7.2.1P1	4/02 – 4/05 Aprils only	Process as soon as inputs are available
PR 68-08	FM1, FM2	Beta5	SYN/AVG /ZAVG (SS 8)	8.0P1	4/00 – 4/05 Aprils only	Process as soon as inputs are available
PR 67-08	FM3, FM4	Beta5	SYN/AVG /ZAVG (SS 8)	8.0P1	4/02 – 4/05 Aprils only	Process as soon as inputs are available
PR 126-07	FM3 or FM4	Beta4	Synoptic SARB (SS 7.2)	7.2.1P1	7/02 – 10/05 seasonal months only	Done. 8/18/08
Standing requests AM- PR 1-05 to 7-05	Terra	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests AM- PR 1-00 to 7-00.
Standing requests PM-PRs 15-05 to 18-05	FM3	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 1-05 to 4-05.
Standing requests PM-PRs 11-05 to 14-05	FM4	Ed1-CV- NoSW	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	Standing request	These PRs replace standing requests PM-PRs 7-05 to 10-05.
PR 62-08	FM3, FM4 MODIS V005	Edition1B	SSFI Clouds	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/07 – 9/1/07	In progress

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PR 61-08	FM3, FM4	Edition2C Ed2-NoSW	SSF Inversion	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	1/1/07 – 9/1/07	In progress
PR 60-08	FM3, FM4	Edition2C Ed2-NoSW	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	12/31/06 hr 12 – 9/1/07 hr 11	In progress
PR 59-08	FM3 V005 MOD08	Edition2C	CRS Inst SARB	5.0P1 5.1P2 5.4P2	1/1/07 – 8/31/07	Ready to process when inputs are available
PR 58-08	FM3	Edition2C	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	1/1/07 – 8/31/07	Ready to process when inputs are available
57-08	FM1, FM2, MODIS V005	Edition2A- QC	SSFI Clouds	4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	1/1/07 – 9/1/07	Process upon promotion of SCCR 673 (delta) with available data
56-08	FM1, FM2	Edition2F	SSF Inversion	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/1/07 – 9/1/07	Ready to process when inputs are available
55-08	FM1, FM2	Edition2F	SFC TISA-Grid	9.2P1 9.3P1 9.4P1	12/31/06 hr 12 – 9/1/07 hr 11	Ready to process when inputs are available
54-08	FM1 V005 MOD08	Edition2F	CRS Inst SARB	5.0P1 5.1P1 5.4P1	1/1/07 – 8/31/07	Ready to process when inputs are available
53-08	FM1	Edition2F	FSW TISA-Grid	6.1P1 6.2P1 6.3P1	1/1/07 – 8/31/07	Ready to process when inputs are available
PR 79-08		Beta10	GGEO	11.1P10	11/05 – 8/07	ON HOLD until MTSAT data are available
PR 78-08		Beta10	GGEO	11.2P2	11/05 – 8/07	ON HOLD until MTSAT data are available
PR 77-08		Beta10	GGEO	11.4P1	11/05 – 8/07	ON HOLD until MTSAT data are available
PR 73-08	GGEO	Beta1	GGEO ISCCP- D2like	11.7P1	07/02, 10/02, 01/03, 04/03	Delivered. In testing.

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PR 13-08	FM3, FM4	Beta1-Ed3	Inversion (SS4.5-6)	4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	10/03, 1/04, 4/04, 7/04, 1/06, and 7/06	Cancel. 8/18/08
PR 14-08	FM1, FM2	Beta1-Ed3	Inversion (SS4.5-6)	4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	10/03, 1/04, 4/04, 7/04, 1/06, and 7/06	Cancel. 8/18/08
PR 76-08	GGEO	Edition2A	GGEO	11.1P10	11/05 – 8/07	ON HOLD pending promotions, approvals, etc
PR 75-08	GGEO	Edition2A	GGEO	11.2P2	11/05 – 8/07	ON HOLD pending promotions, approvals, etc
PR 74-08	GGEO	Edition2A	GGEO	11.6P1	11/05 – 8/07	ON HOLD pending promotions, approvals, etc
PR 64-08	FM3, FM4	Edition1B- IGBP	SSFI Clouds	4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2	01/01/2004 – 12/31/2005	IN THE BACKGROUND PRIORITY Process upon promotion of SCCR 673 (delta)
PR 63-08	FM3, FM4	Ed2C-MOD- C4-Land- IGBP	SSF Inversion	4.5-6.1P3 4.5-6.2P2 4.5-6.4P1	01/01/2004 – 12/31/2005	Ready to process when inputs are available

**Table 2. September 3, 2008 - System Issues and Status**

Activity	Lead	Status
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>• Successfully tested TISA Averaging Subsystem 7.1 (SCCR 677) and released it to the ASDC on August 27. (Ayers)</li> <li>• Updated the TISA Averaging Test Plan, posted it on the Web, and delivered it to the ASDC. (Saunders)</li> <li>• Reviewed and updated the CERES Software Management Plan. (Ayers, Saunders)</li> <li>• Reviewed the CERES Software Coding Guidelines. (Ayers)</li> <li>• Converted the Inversion Operator’s Manual from FrameMaker to Word. (Saunders)</li> <li>• Updated the CERES Subsystem and Coefficients Delivery Schedules and posted them on the Web. (Ayers, Saunders)</li> </ul>

**Table 3. CERES Subsystem Delivery Schedule - September 2008**  
**(Next Science Team Meeting – October 27 – 29, 2008 at GISS in New York, NY)**

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	September 5	September 19	September 26	New Toolkit.			<i>magneto</i>
Regrid MOA	September 5	September 19	September 26	G5 for Edition2 on <i>magneto</i> .			<i>magneto</i>
ERBE-like	September 19	October 3	October 10	To process on <i>magneto</i> .			<i>magneto</i>
TISA Averaging (SCCR 650)	September 19	October 3	October 10	Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing. New PGEs: CER10.0P1, CER10.0P2, & CER10.0P3.	X	X	<i>magneto</i>
TISA Gridding	September 26	October 10	October 17	PMOA delivery dealing with overlap file checking and reading G5-CERES MOA input.	X		<i>magneto</i>
Clouds	October 10	October 17	October 24	Edition2 on <i>magneto</i> .			<i>magneto</i>
GGEO (SCCR 653)	October 17	October 31	November 7	Initial coefficient delivery for 11/05 - 8/07. Code delivery to support Beta10 GGEO processing.			<i>magneto</i>
Inversion	October 17	October 31	November 7	Edition2 on <i>magneto</i> .			<i>magneto</i>

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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)
Instantaneous SARB	October 31	November 14	November 21	Terra Edition2 on <i>magneto</i> .			<i>magneto</i>
TISA Gridding	October 31	November 14	November 21	Edition2 on <i>magneto</i> .			<i>magneto</i>
TISA Gridding	Winter			New PGE 9.0P2 (?) for new ISCCP-D2-like-Flux (?) product.		X	<i>magneto</i>
GGEO	Spring 2009			New PGE 11.7P2 (?) for new ISCCP-D2-like-Merge (?) product.		X	<i>magneto</i>
Regrid MOA	???			To process the G5 CERES data that will be coming to support Edition3.			<i>magneto</i>
Clouds	???			Support TRMM VIRS-only processing of August 2001 forward.			<i>magneto</i>
Inversion	Two to four weeks after Clouds			Support TRMM VIRS-only processing.			<i>magneto</i>
Inversion	???			Support Beta2-Edition3 processing.			<i>magneto</i>
TISA Gridding	Two weeks after Inversion			Support Beta2-Edition3 processing.			<i>magneto</i>

**Table 3. CERES Subsystem Delivery Schedule - September 2008**  
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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</i>

**Table 4. CERES Coefficients Delivery Schedule - September 2008**

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Release to Langley DAAC	Reason for Delivery	Certified Platform(s)
GGEO		???		Final coefficients for 11/05 - 08/07.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		Terra Edition3 gains and spectral response function files for February 2000 - June 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		Aqua Edition3 gains and spectral response function files for June 2002 - March 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		Terra Edition3 gains and spectral response function files for July 2005 - December 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		Aqua Edition3 gains and spectral response function files for April 2005 - December 2005.	<i>warlock/ magneto</i>
Instrument/ ERBE-like	N/A	???		TRMM Edition3 gains and spectral response function files for December 1997 - April 2000.	<i>warlock/ magneto</i>

**Table 5. SCCR Activity August xx at xx:00 p.m. – September xx at xx:30 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>
680					X	4.1 – 4.4		

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

**Table 6. September 3, 2008 - Subsystem Issues and Status**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
Toolkit Issues	Coleman Zentz	<ul style="list-style-type: none"> <li>• Latest versions are ready to be installed as soon as folks have disk space to work in. (Zentz)</li> <li>• Do we need to put all three TK versions on SCF MacIntosh machines? (Zentz)</li> </ul>	
1.0	Cooper (Walikainen)	<ul style="list-style-type: none"> <li>• Continued monitoring receipt of Terra/Aqua Level-0, ephemeris and attitude data at ASDC. (Snyder)</li> <li>• Began looking at ValR10 runs. Expect to have the evaluation done before Friday (9/5). (Cooper)</li> </ul>	
2.0	Walikainen (Cooper)	<ul style="list-style-type: none"> <li>• Continuing to examine QC checker email generated during production. (Walikainen)</li> <li>• Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen)</li> <li>• Examined ValR10s and will report findings at DMTM 9/3/08 after Instrument group has a chance to comment on results. (Walikainen)</li> </ul>	
3.0	Walikainen (Cooper)	Combined with above.	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> <li>• Worked on updating Clouds Working Group Web pages. (R. Brown)</li> <li>• Attend NPP CERES delta CDR. (Sun-Mack)</li> <li>• SAN disk damage on Clouds assessment. (Sun-Mack)</li> </ul>	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller (Sun-Mack)	<ul style="list-style-type: none"> <li>• Continued review of SSF Collection Guide. (Miller)</li> <li>• Monitored Aqua Edition1B clouds production. Two hours failed in both June and July 2007. All were caused by nonavailable IESs. (Miller)</li> </ul>	
4.5	Sothcott	<ul style="list-style-type: none"> <li>• Attended weekly SOFA working group meetings. (Sothcott)</li> <li>• Home directory was recovered and was able to restart work transferring the Edition2 code to the new directory structure. (Sothcott)</li> </ul>	
4.6	Sothcott	Combined with above.	

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5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> <li>• PGE 5.1P1 has been ported to <i>magneto</i>. Initial tests have met with Science Team approval. (Caldwell)</li> <li>• CRS Data Set Abstract page updated with Edition2F and Edition2C information. (Caldwell)</li> </ul>	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> <li>• No new updates.</li> </ul>	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> <li>• G5 MOA code has been recovered from the SAN failure. With the upcoming restoration of CERESlib, delivery will proceed as scheduled. (Caldwell)</li> </ul>	
7.1	Nguyen (Raju)	<ul style="list-style-type: none"> <li>• No new update. (Nguyen)</li> </ul>	
8.0	Nguyen (Raju)	<ul style="list-style-type: none"> <li>• No new update. (Nguyen)</li> </ul>	
10.0	Nguyen (Raju)	<ul style="list-style-type: none"> <li>• Supporting Moguo Sun in the cloud normalization for GGEO ISCCP D2-like cloud. (Nguyen)</li> <li>• Completed Perl script conversions for new PGEs. (Filer)</li> </ul>	
6.0	Raju (Nguyen)	<ul style="list-style-type: none"> <li>• Recent work on PGEs 6.1-6.3 were lost due to san crash. Started putting these PGEs' software in the new directory structure and converting PCF shell scripts to perl. (Raju)</li> </ul>	
9.0	Raju (Nguyen)	<ul style="list-style-type: none"> <li>• Updated and tested the moa read routines to minimize the PGE 9.1P1 processing time (17hours vs. 4 hours) on <i>magneto</i> and (4 hours vs. 1 hour) on <i>warlock</i>. Sent the routines to Tom Caldwell. (Raju)</li> <li>• The new ISCCP PGE (writing ssf data on to zonal files) was tested on <i>magneto</i>. (Raju)</li> </ul>	
11.0	Raju (Nguyen)	<ul style="list-style-type: none"> <li>• Updating word version of Operator's manual to include new directory structure. (Raju)</li> <li>• As per Dave Doelling's request, getting the information on when the Mcidas flat file process moves from <i>samantha</i> to <i>linux</i> and its impact on ggeo process. (Raju)</li> <li>• Modifying Perl scripts to add in the FSW input files and the output matched file for Moguo. (Filer)</li> </ul>	
Special Development Corner		<ul style="list-style-type: none"> <li>• No report received.</li> </ul>	

