

October 31, 2012 - System Issues and Status

Table 1: Process Strategy/Coleman as of 10/31/12

Active Requests in order of priority as of 10/30/12

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
The PRs that follow are the Standing PRs						
M 1-09		NSIDC-NESDIS	EICE ESNOW 16 th mesh	4.1-4.0P2	Standing Request	
M 2-12 SCCR 867		NSIDC	SNOW (ERBE-like Edition1-CV)	2.1P1	Standing Request	
NPP 11-12, 2-11 to 4-11, 13-12 SCCRs 911, 878, 863, 756, 867	NPP	Baseline1-QC	BDS/ ES8	1.0P2, 1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	
NPP 12-12, 3-12 to 6-12 SCCRs 911, 878, 863, 756, 770	NPP	Edition1-CV	BDS/IES/ PreS8	1.0P2, 1.1P8, 1.2P1, 1.4P1,1.4P2	Standing Request	
NPP 14-12 to 17-12 SCCR 867	NPP	Edition1-CV	ERBELike	2.2P1 2.3P1, 2 3.1P1	Standing Request	
AM 8-11 to 10-11, AM 1-12 PM 8-11 to 10-11, 1-12 to 3-12, 16-12, 21-12 SCCRs 878, 863, 756, 867	Terra Aqua (FM3, FM4)	Baseline1-QC	BDS/ES8	1.1P8, 1.2P1, 1.4P1, 2.2P1	Standing Request	

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AM 12-11 to 15-11, AM 2-12 to AM 5-12 PM 12-11 to 15-11, 17-12 to 20-12, 22-12 to 25-12 SCCRs 878, 863, 756, 867	Terra Aqua (FM3, FM4)	Edition1-CV	BDS/ ERBELike (SS1-3)	1.1P8 1.2P1 1.4P1&2, 2.1P1 2.2P1 2.3P1/2 3.1P1	Standing request	
AM 1-11 to 7-11 6-11, 6-12 PM 1-11 to 7-11 6-11, PM 26-12, PM 1-12 to 7-12	Terra Aqua (FM3, FM4)	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	PRs AM 7-11 and PM 7-11 replaced with PRs AM 6-12 and PM 26-12 due to input CC # change
M 3-11 SCCR 920	CERES	DAO-G5-CERES	MOA	12.1P1	Standing request	
M 2-11 SCCR 753	CERES	DAO-G5-CERES	PMOA	9.1P1	Standing request	
M 1-12	CERES	GMAO-G541-Ed4	MOA	12.1P2	Standing request	
The PRs that follow are the Non-Standing PRs that can be processed						
162-12 thru 163-12 SCCRs 716, 863	FM1, FM2	Edition3	BDS, IES	1.3P3, 1.2P1	1/2/12 – 7/1/12	Ready Priority Level 1
164-12 thru 167-12 SCCRs 716, 863	FM3, FM4	Edition3	BDS, IES	1.3P3, 1.2P1	1/2/12 – 7/1/12	Ready Priority Level 1

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168-12 thru 172-12 SCCR 867	FM1, FM2	Edition3	SCCD/N ES8 ES4 ES9	2.4P1, 2.2P1, 2.3P1, 2.3P2, 3.1P1	1/2/12 – 7/1/12	Ready Priority Level 1
173-12 thru 177-12 SCCR 867	FM3, FM4	Edition3	SCCD/N ES8 ES4 ES9	2.4P1, 2.2P1, 2.3P1, 2.3P2 3.1P1	1/2/12 – 7/1/12	Ready Priority Level 1
178-12 SCCR 867	FM1+ FM3	Edition3	ES4 ES9	3.2P1	1/12 – 6/12	Ready Priority Level 1
139-11 to 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	2/29/2000 – 6/1/2005	In Progress Priority Level 1
143-11 to 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	In Progress Priority Level 1
104-12 to 106-12 SCCR 814	FM1, FM2	Beta1-Ed4	SSF	4.5-6.1P4 4.5-6.2P3 4.5-6.4P2	2/29/2000 – 6/1/2005	In Progress Priority Level 1
101-12 thru 103-12 SCCR 814	FM3, FM4	Beta1-Ed4	SSF	4.5-6.1P5 4.5-6.2P3 4.5-6.4P2	6/30/2002 – 3/30/2005	In Progress Priority Level 1
46-12, 47-12 SCCR 746	FM3, FM4	Edition2A	ISCCP- D2like- Day/Nit	9.0P1	Launch thru 10/02	Ready. Priority Level 2
PRs 46-09 461-09 to 463-09 SCCRs 733,728	FM3 V005 MYD08	Edition2D	CRS	5.0P1 5.1P1 5.4P2	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
PRs 45-09 451-09 to 453-09 SCCR 685	FM3	Edition2D	FSW	6.1P1 6.2P1 6.3P1	12/1/07 - 6/30/10	Ready. Priority Level 3
**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed ValRx Evaluation ****						
**** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-op testing and been promoted to the production environment ****						
156-12 thru 161-12 SCCR 912	FM3, FM4	ValR1-P6, ValR1-X86	SSF	4.5-6.5P5 4.5-6.2P4 4.5-6.4P1	11/2011	Hold –Pending Promotion Priority Level 2
150-12 Thru 155-12 SCCR 912	FM1, FM2	ValR1-P6, ValR1-X86	SSF	4.5-6.5P4 4.5-6.2P4 4.5-6.4P1	11/2011	Hold –Pending Promotion Priority Level 2
179-12 thru 184-12 SCCR 914	FM1, FM3	ValR1-P6	SFC	9.2P2 9.3P2 9.4P2	11/2011	Hold –Pending Promotion Priority Level 2

Table 2. October 31, 2012 - System Issues and Status

Activity	Lead	Status
SEC	Miller	<ul style="list-style-type: none"> • Nothing to report. (Miller)
CM/Documentation	Ayers (Saunders)	<ul style="list-style-type: none"> • See Table 3 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 3. (Ayers) • SCCR 936 – Installed this ERBE-like delta delivery on <i>AMI-P</i> and released it to the ASDC on October 18. (Ayers) • SCCR 933 – Provided updated PR database and Web interface tar files to the ASDC. (Ayers) • SCCR 914 – Began working on this TISA Gridding delivery. (Ayers) • Updated the Inversion and CATALYST information in the Promoted Directories document and provided it to the ASDC. (Ayers) • Installed the Edition3 gains for Terra FM1 and FM2 and Aqua FM3 and FM4 for January 2, 2012, through July 1, 2012, on <i>AMI-P</i> and released them to the ASDC on October 22. (Ayers) • Installed the updated Edition3 spectral response function files for Terra FM1 and FM2 and Aqua FM3 and FM4 for January 1, 2012, through June 30, 2012, on <i>AMI-P</i> and released them to the ASDC on October 22. (Ayers)
AMI Job Submission Scripts (AJSS)	Ayers (Hillyer)	<ul style="list-style-type: none"> • Continued working on the job submission scripts for upcoming deliveries. (Grepitotis, Hillyer)

Table 3. SCCR Activity October 16 at 3:00 p.m. – October 30 at 1:00 p.m.

SCCR	S	U	A	C	D	SS	Page No.	Comments
931				X		CATALYST		
932				X		Perl_Lib		
936			X			ERBE-like		

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

Table 4. October 31, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
Toolkit Issues	Hillyer (Wilkins)	<ul style="list-style-type: none"> • Built, installed and released GCC 4.5.3, Perl 5.16.1, SGE, Toolkit 18 and their dependencies on CERES.SSAIVA.COM. (Wilkins) • Tested CERES.SSAIVA.COM Toolkit environment installation using CER1.0P2 AMI Job Submission Scripts. Code ran successfully. (Hillyer) • Adding GRIB libraries and utilities to Toolkit 18 installation package. (Hillyer) 	
CERES-lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> • SCCR 928 - No updates. (Wilkins) • Built and released CERESlib on CERES.SSAIVA.COM. (Wilkins, Hillyer) 	
Perl_Lib	Hillyer (Wilkins)	<ul style="list-style-type: none"> • Nothing to report. (Hillyer) 	•
CERES Proc. System	Hillyer (Wilkins)	<ul style="list-style-type: none"> • Completed PGE Handlers for Edition4 Clouds and Inversion PGEs. (Hillyer) • Continued testing and enhancing CATALYST database interface. (Wilkins) • Implementing changes to Operator's Console following Ops and SIT feedback. (Wilkins) • Working on disk paging scheme for storing PR jobs to disk when those jobs are inactive. Active jobs will be moved into an in-memory cache. This will significantly reduce memory consumption for when many and/or large PRs are active. (Hillyer) 	
1.0	Cooper (Grepitotis)	<ul style="list-style-type: none"> • SCCR 877 – This PGE should be delivered by mid-December. (Grepitotis, Timcoe) • Testing of the converted Solar/Lunar angle software is complete for the month of September for Terra and Aqua. A problem was discovered where the Aqua data is being labeled as NPP; this will be worked after the Instrument code walkthrough. (Cooper, Snyder) • The Edition 3 Gains were delivered. (Snyder) • The Available Data Web page software is still in development/testing. (Cooper, Grepitotis) 	

Table 4. October 31, 2012 - Subsystem Issues and Status

SS No.	SS Lead	Status	Problems
2.0	Walikainen (Lande)	<ul style="list-style-type: none"> • SCCR 936 - Created and submitted SCCR, updated Requirements Log, performed cmd-line and SGE testing with updated env't scripts, created and delivered Delivery Memo and scr tar file. (Lande, Walikainen) • SCCR 867 - Assisted Angel with an 'input file missing' error while attempting to run CER2.2P1 with an Edition3 20120102 FM1 PRES8 in the SSIT area on October 24 as part of a 'spot test' on the ERBE-like PGEs to validate the delivered Edition3 SRFs. Discovered that this PGE (and CER2.3P1/2) can only read PRES8s from DPO (due to \$inputdir = \$InputArchive/CERES/PRES8/...), therefore provided Angel with three updated env't modules that will enable those three SSIT PGEs to read from \$CERESHOME/instrument/data/PRES8/... with PROD set to 'No'. Had Joanne remove <i>magneto</i> versions of PGEs and add <i>x86</i> versions to FMP. (Lande) • Wrote the next set of Instrument and ERBE-like Edition3 PRs (January-June 2012), finalized by Lisa after approval from Dale and Denise. (Lande) • SCCR 933 - Worked on Instrument and ERBE-like PRs in the new online PRDB in the PPE: validated imported standing PRs (via comparison with their Excel versions), created E2E PRs for FM1/2/3, and provided feedback to Lisa, Carla, and Elizabeth on issues encountered with these activities (i.e., login, PR import/display/creation tools, and CC look-up table). Also emailed Denise on PR to reject for Instrument. (Lande) • Analyzed lack of daily (FM1-5, Baseline1-QC) plots and QC reports on ERBE-like Website > 20120720 (monthly ES4 plots: > 201206 for Ed1-CV) discovered on October 17: Website had been pointing at obsolete Web backup area on <i>wbs128</i> (/WEB_BACKUP/sites/earth-www.larc.nasa.gov) since July 24 (when taken offline during the ASDC maintenance period) instead of /WWW mount (visible from <i>AMI-P</i> but not from <i>wbs128</i>). Provided the information to Ben Loyall, who agreed and was able to fix most of the problems (still some issues 	

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SS No.	SS Lead	Status	Problems
2.0 (Cont'd)	Walikainen (Lande)	<p>with date selection (some months for days 1-9), gaps in QC reports from 12/11 to 5/12, and recent gaps in FM5 ES8s). Provided information to Walt on accessing and interpreting ES4 plots posted on the ERBE-like Website. (Lande, Walikainen)</p> <ul style="list-style-type: none"> • Provided script to Instrument group for their FM6 analysis: it bins LW radiances, determines the predominant scene type, then bins both averages and standard deviations. (Walikainen) • Delivered Terra and Aqua Edition3 SRFs for the first half of 2012. Also reviewed five ERBE-like PRs (and rejected one) as part of PRDB End-to-End testing. (Walikainen) • Continued examining CER2.4P1 code: five functions were copied from a FORTRAN numerical recipe book. I compared these functions with the ones provided to me in 2002 (now part of production code), when I was asked to convert the code into a PGE. Three of the functions match up. The other two are 'similar' (probably tweaked for the particular least squares fit). Also, print statements showed no indices going out of bounds for selected arrays. <i>x86</i> versus <i>P6</i> differences remain a mystery. (Walikainen) 	
3.0	Walikainen (Lande)	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Corrected data input error and histogram labeling error in post processing. Updated code to run ISCCP data. Ran STM 2007 seasonal months through post processing and posted on the Web. (Smith) • Reran <i>AMI-P</i> runs of Terra 2001122920 and 2001120215 to isolate where errors occurred. (Smith) • Prepared modifications to Clouds Operator's manual to clarify file archival and removal timing. (Smith) • Began PRDB testing. (Smith) • Generated Clear-Sky Albedo Maps for 0.6 μm using New Gang's snow model and Bob's old snow Model. Results were posted on the Website. (Chen) • Tested QC Reader for the files generated on <i>P6</i> and <i>x86</i>. (Chen) 	

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SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Processed CloudVis files with CERES Ed2 and Ed4 of Terra and Aqua 2007 four seasonal months for optical depth comparison. Histogram and stats with snow free and snow cover along with the global maps were produced and results were posted on the Website for upcoming CERES science team meeting. (Chen) • Generated plots of the Cloud Height comparison between CALIPSO and CERES from 2008 four seasonal data for upcoming CERES science team meeting. (Chen) • Generated maps, plots, and stats for the cloud fraction comparison between Ed4 and CALIPSO for the upcoming CERES science team meeting. (Chen) • Wrote a code to study different lapse Rate methods by reading in C3M data. (Chen) • Started preparation for processing C3M using CERES Ed4 clouds. (Chen) • Aqua and Terra Edition4 QC results for four months (200701, 200704, 200707, and 200710) were prepared for the CERES Science Team Meeting. Differences plots and stats were produced for Ed4 - Ed2 (Aqua and Terra) and for Aqua Edition4 minus Terra Edition4. Results were posted on the Web. (R. Brown) • Processed Edition 4 QC global images and statistics for 200105 through 200112 for Terra-MODIS. Differences were also processed between Terra Edition 4 and Edition 2. Results were posted on the Web. (R. Brown) • Processed Aqua Edition 4 QC results for 200212 and 200309. Differences were produced between Aqua Edition 4 and Edition 2. Results were posted on the Web. (R. Brown) • QC stats code was modified to include pre close tag. (R. Brown) • Reprocessed QC results for Beta1-Ed4 for Terra (200003-200111) and Aqua (200207 - 200309) to include fix for indexing for parameters 10 -16. (R. Brown) 	

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SS No.	SS Lead	Status	Problems
4.1 (Cont'd)	Sun-Mack (Brown)	<ul style="list-style-type: none"> • Modified ClearSky post processing code for new clearsky results. Processed Terra Ed4 (200003 - 200109) and Aqua Edition4 (200207 - 200306) and posted results on the Web. (R. Brown) • Working on bug fixes for CERES PR Tool from PPE testing. (Heckert) • Continuing development of SCCR Dashboard tool. (Heckert) • Updated CERES Ordering Tool Statistics database to account for SYN1deg release (replacing SYN1deg-lite). (Heckert) • Prepared for Pat's CERES Science Team Meeting talk. (Sun-Mack) • Processed four months of C3M. (Sun-Mack) • Validated CERES Clouds Ed4 cloud detection and cloud height with CALIPSO. (Sun-Mack) • Prepared for my CERES Science Team Meeting talk and gave presentation. (Sun-Mack) • Attended the CERES Science Team Meeting in Princeton, NJ. (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"> • SCCR 918 - Contacted AFWA about receiving SNODEP product. (Miller) • Generated list of missing input data for Terra and Aqua Beta1-Ed4 processing. Also, the DPO was checked to see if other hours were missing. (Miller) • Implemented theoretical SW correction for ERBE CERES-like and processed December 1986 with the new correction. (Miller) • Reviewed migrated clouds PGE PRs. (Miller) • Computed anomalies general mean to compare with the values posted earlier on CERES Website. (Antropov) • Working on the program to read binary SSFB and SSFA files and to write HDF5 SSF file. (Antropov) 	

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4.5	Sothcott	<ul style="list-style-type: none"> • SCCR 913 - Continued testing of the updated software. Test results are looking good so far. (Sothcott) • SCCR 913 - Continued work on updates to the Inversion Operator's Manual and the Inversion Test Plan. (Sothcott) • Completed the Inversion Subsystem part of the PRDB End-to-End testing. (Sothcott) 	
4.6	Sothcott	<ul style="list-style-type: none"> • Combined with above. 	
5.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • Developing Edition4 CRS scripts and test comparison software. Successfully ran Edition4 CRS (5.1P3) code on x86. (Caldwell) • Assisting PRDB group in end-to-end testing of SARB PR submission and approval using new Website. (Caldwell) 	
7.2	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (Caldwell) 	
12.0	Caldwell (Coleman)	<ul style="list-style-type: none"> • No new updates. (Caldwell) 	
7.1	Nguyen (Keyes)	<ul style="list-style-type: none"> • Provided Michele Nordeen the most updated 2005 01 SW xglb file to produce TOA SW fluxes to compare with the results from the old SW xglb data. (Nguyen) 	
8.0	Nguyen (Keyes)	<ul style="list-style-type: none"> • No new updates. (Nguyen) 	
10.0	Nguyen (Keyes)	<ul style="list-style-type: none"> • Updated the solar incoming SORCE file and re-ran January through June 2012 EBAF data for Norman Loeb. (Nguyen) • Wrote code to read the SORCE data from the Web to update the solar incoming data. (Nguyen) • SCCR 934 - Comparing the output data with the SSF1deg Lite data for validation. Working on documentations and scripts for the delivery. (Nguyen) • Providing Dave Doelling with updated statistics for CLARREO sampling studies. Working with him to develop and assess alternate ways of calculating a degradation of time to detect a trend in the data. (Keyes) 	

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6.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • No new updates. (Raju) 	
9.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • SCCR 914 – Completed software delivery. Working on the related documents. (Forrest Wrenn, Raju) • SCCR 915 – PGE 9.0P1 delivery to migrate Edition2 ISCCP-D2like-Day/Nit process from <i>magneto</i> to <i>AMI-P</i>. No update. (Raju) 	
11.0	Raju (F. Wrenn)	<ul style="list-style-type: none"> • SCCR 916 - PGE 11.7P1 delivery to migrate Edition2 ISCCP-D2like-GEO process from <i>magneto</i> to <i>AMI-P</i>. No update. (Raju) • Integrated both IR radiance and cloud code into Edition4 main PGE. Ran 10 days of 01/2010 MET9 data through the code and provided Web plots to TISA science. Work continued on the software and the data validations. (Raju, Forrest) • Processed 01/2010 MET9 data through Edition3 (2-channel) software with the coefficients that were used for Edition4 (5-channel) process. This task is to have a fair comparison between 2-channel versus 5-channel process and to see if the spatial averaging performed correctly. (Raju) 	

Table 5. October 31, 2012 – DM Tasks

Activity	Status
Production Processing Database/Automation (Coleman)	<ul style="list-style-type: none"> • Began PRDB Interface End-to-End testing. (Coleman, Grune, Heckert)
CERES Websites (Kizer)	<ul style="list-style-type: none"> • Multiple security issues were resolved and a rescan of the CWG Website was initiated on Thursday Oct 25. (Kizer) • Modified a test version of the CERES Documentation page to show links helpful to data users. (Kizer) • Added a standard quick-view report to the statistics tool. This is now the main “Stats” page, and a link to the existing more detailed stats report tool was included. (Heckert) • Added additional features to the existing Statistics tool including “# of users by affiliation” and “# of users by country”. (Heckert)
CERES Ordering Tool (Chu/Mitrescu)	<ul style="list-style-type: none"> • Finished development and unit testing for the release before the CERES Science Team Meeting. The system has been on the pre-production test environment for the system test (including IE compatibility). (Chu) • Promote a new release for the public site to include more SSF level 2 data: <ul style="list-style-type: none"> i) Including a new selection policy to pick data files for displaying/subsetting among different instruments, such as FM1 versus FM2. ii) A new spatial DB schema that contains the information of the percentage of cross track footprints per SSF Level 2 file. (Chu) • Finish work on the new SYN 1 deg data set with full-blown variables. (Mitrescu) • Process six additional months of SSF-Lite, SYN-Lite, EBAF-TOA, and post them on the internal Web-pages for QC. (Mitrescu) • Process six additional months of EBAF-TOA and SSF-Lite to public Web pages. (Mitrescu) • Start working on introducing 3 Hourly SYN data (that would read data from HDF files) to both internal and public sites. (Mitrescu) • Help in testing the pre-production system. (Mitrescu) • Promote a new release for the public site: SSF-Lite, SYN, and EBAF-TOA. (Mitrescu)

Table 5. October 31, 2012 – DM Tasks

Activity	Status
CERES Ordering Tool (Chu/ Mitrescu) (Continued)	<ul style="list-style-type: none"><li data-bbox="472 296 1230 361">• Promote EBAF-TOA and EBAF-Surface to ESG nodes. (Mitrescu)<li data-bbox="472 373 1273 447">• Attend (and help with presentations at) the CERES Science Team Meeting in Princeton NJ. (Mitrescu)

Table 6. October 31, 2012 – NPP Issues

Activity	Status
FM5	<ul style="list-style-type: none">• The issue that is causing spikes in the NPP-FM5 data has been discovered. The team will continue working on the updates for CER1.1P8 after the completion of the code walkthrough and the delivery of CER1.4P3. (Grepitotis, Hess, Smith, Timcoe)• The automated NPP-FM5 daily RDR file reporting utility is now being run on a daily basis and providing email to the ASDC on a daily basis. (Timcoe, Grepitotis)

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	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
Instrument - 1	CER1.0P1	N	N	N/A	N	N/A	N	N/A	n/a	n/a	Will comply with all the latest whenever delivered
	CER1.0P2	N	N	N/A	Y	16	Y	16	Y	N	C++ RDR Pre-Processor
	CER1.1P8	N	N	N/A	Y	16	Y	16	Y	N	C++ NPP, Terra, Aqua
	CER1.2P1	N	N	N/A	Y	16	Y	16	Y	N	C code, NPP capable.
	CER1.3P3	N	N	N/A	N	N/A	Y	16	Y	n/a	Replace with CER1.4P3 on P6
	CER1.4P1	N	N	N/A	Y	16	Y	16	Y	N	
	CER1.4P2	N	N	N/A	Y	16	Y	16	Y	N	
ERBE-like - 2	CER1.4P3	N	N	N/A	Devel	18	Devel	18	Devel	N	
	CER2.1P1	N	Y	16	Y	16	Y	16	Y	N	
	CER2.2P1	N	Y	15	Y	Y	Y	16	Y	N	Compile HDF with TK 15, run with TK 16
	CER2.3P1	N	Y	16	Y	16	Y	16	Y	N	
	CER2.3P2	N	Y	16	Y	16	Y	16	Y	N	
ERBE-like - 3	CER2.4P1	N	Y	16	Y	16	N	N/A	Y	N	
	CER3.1P1	N	Y	16	Y	16	Y	16	Y	N	
Clouds 4.1-4	CER3.2P1	N	Y	16	Y	16	Y	16	Y	N	
	CER4.1-4.0P2	N	Y	15	Devel	18	N	N/A	Devel	N	
	CER4.1-4.1P4	N	Y	16	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.1P5	N	Y	16	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.1P6	N	N	N/A	Y	16	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P2	N	Y	15	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.2P3	N	Y	15	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
	CER4.1-4.2P4	N	N	N/A	Y	16	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.2P5	N	N	N/A	Y	16	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future
	CER4.1-4.3P2	N	Y	15	Devel	18	N	N/A	Devel	N	Ed2, Edition1-CV
CER4.1-4.3P3	N	N	N/A	Y	16	N	N/A	Y	Devel	Ed4 (P6), Migration to X86 not in near future	

Table 1: PGE Current Events Status Table

Subsystem ID	PGE ID	Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)		Comments
		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	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	
Inversion/SOF A 4.5-6	CER4.5-6.1P2	N	Y	16	Devel	18	Devel	18	Devel	N	Ed2 Terra Main
	CER4.5-6.1P3	N	Y	16	Devel	18	Devel	18	Devel	N	Ed2 Aqua Main
	CER4.5-6.1P4	N	N	N/A	Y	16	N	N/A	Y	Devel	Terra Main Ed4 version of 1P2
	CER4.5-6.1P5	N	N	N/A	Y	16	N	N/A	Y	Devel	Aqua Main Ed4 version of 1P3
	CER4.5-6.2P2	N	Y	16	Devel	18	Devel	18	Devel	N	Ed2/Ed3 subsetter
	CER4.5-6.2P3	N	N	N/A	Y	16	N	N/A	Y	Devel	Subset postproc for Terra and Aqua (Ed4 version of 2P2)
	CER4.5-6.2P4	N	Y	16	SSI&T	18	SSI&T	18	SSI&T	N	Ed3 daily post-processor
	CER4.5-6.4P1	N	Y	16	SSI&T	18	SSI&T	18	SSI&T	N	Edition2 to <i>magneto</i>
	CER4.5-6.4P2	N	N	N/A	Y	16	N	N/A	Y	Devel	Monthly validation site (Ed4 for 4P1)
CER4.5-6.5P4	N	Y	16	SSI&T	18	SSI&T	18	SSI&T	N	IES-SSF Terra New PGE, Ed2 format	
CER4.5-6.5P5	N	Y	16	SSI&T	18	SSI&T	18	SSI&T	N	IES-SSF Aqua New PGE, Ed2 format	
SARB - 5	CER5.0P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.0P2	N	Y	15	Y	18	Y	18	Y	N	Ed2/Ed3
	CER5.1P1	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.1P2	N	ValRx	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER5.1P3	N	N	N/A	Devel	16	Devel	16	N	N	New PGE - Edition4 Main for Terra and Aqua
	CER5.4P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
TISA Grid - 6	CER5.4P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.1P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
	CER6.2P1	N	Y	15	N	N/A	N	N/A	n/a	n/a	Ed2 only
TISA Avg - 7.1	CER6.3P1	N	Y	15	N	N/A	N	N	n/a	n/a	Ed2 only
	CER7.3.1P1	N	Y	16	Y	16	N	N/A	Y	N	New PGE for Edition3
SARB - 7.2	CER7.2.1P1	N	Y	16	N	N/A	Y	16	Y	N	P4 only Ed2 for now, X86 for Ed2 and Ed3

Table 1: PGE Current Events Status Table

		Status of PGEs on Each Platform and TK Version used for Compilation ^{1,2}							Status of Misc. Item(s)		
Subsystem ID	PGE ID	SGI	P4	P4 TK Ver	P6	P6 TK Ver	X86	X86 TK Ver	"New" Wrapper Scripts for AMI Status (Y / N / Devel / SSI&T / n/a) ⁷	CATALYST Integration Status (Y / N / Devel / SSI&T / n/a)	Comments
TISA Avg - 8	CER8.1P1	N	Y	15	Y	16	N	N/A	Y	N	Migrate to AMI for Ed3
TISA Grid - 9	CER9.0P1	N	Y	15	Devel	16	N	N/A	Devel	N	Ed2 only
	CER9.0P2	N	N	N/A	Y	16	N	N/A	Y	N	ISCCP-D2like-MRG Pre-processor
	CER9.0P3	N	N	N/A	Y	16	N	N/A	Y	N	ISCCP-D2like-MRG Main-processor
	CER9.1P1	N	Y	15	Devel	18	N	N/A	N	N	
	CER9.2P2	N	Y	16	SSI&T	18	N	N/A	SSI&T	N	PGE for Edition3
	CER9.2P3	N	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
	CER9.3P2	N	Y	16	SSI&T	18	N	N/A	SSI&T	N	PGE for Edition3
	CER9.3P3	N	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
	CER9.4P2	N	Y	16	SSI&T	18	N	N/A	SSI&T	N	PGE for Edition3
	CER9.4P3	N	N	N/A	Devel	18	N	N/A	N	N	New PGE for Edition4
TISA Avg - 10	CER10.0P3	N	Y	16	Y	16	N	N/A	Y	N	PGE for Edition3
	CER10.0P4	N	N	N/A	Devel	18	Devel	18	N	N	Edition3A, Non-GEO
GGEO - 11	CER11.1P10	N	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.2P2	N	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.4P1	N	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.6P1	N	Y	16	N	N/A	N	N/A	n/a	n/a	
	CER11.7P1	N	Y	16	Devel	18	N	N/A	Devel	N	
Regrid MOA - 12	CER12.1P1	N	Y	16	Y	16	Y	16	Y	N	Edition 2/3
	CER12.1P2	N	N	N/A	Y	16	Y	16	Y	N	Edition 4

Table 1 Key:		
¹ Status	Y	Currently able to run in production
	Devel	PGE in development, still to be delivered for the first time to the platform.
	SSI&T	PGE delivered and in SSI&T (CM or SIT) testing prior to operational processing
	ValRx	PGE promoted to production on platform, but still undergoing ValRx testing and approving phase
² Prod. Platform	SGL	warlock
	P4	Magneto - IBM P4
	P6	AMI - IBM P6
	X86	AMI - IBM X86
⁷ "New" Wrapper Scripts for AMI Status	Y	Scripts in production
	n/a	Not needed for this PGE
	N	Development not yet begun
	SSI&T	Delivered and in SSI&T (CM or SIT) testing prior to operational processing
	Devel	Development in progress for inclusion in next delivery

Revisions:		
Date	Affected Section or PGE/Product ID	Revision Made
1/3/2012	None	
1/23/2012	CER1.1P1,3,5,7, CER4.1-4.0P1	Moved to Table 3
	CER1.2P1, CER1.3P3	Changed SGI status from "Y" to "N"
	CER6.1P2, 2P2, 3P2	Removed from list
	CER10.0P3	Changed P6 status from "Devel" to "SSI&T"
	CER4.1-4.1P6, 2P4, 2P5, 3P3	Changed New Wrapper Script status from "SSI&T" to "Devel"
2/6/2012	CER10.0P1,2	Moved to disabled/deleted list (Table 3)
2/22/2012	No Updates	
3/5/2012	No Updates	
3/19/2012	4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 status and new wrapper status from "Devel" to "SSI&T"
	7.3.1P1, 7.2.1P1, 10.0P3	Changed P6 status and new wrapper status to "ValRx"
4/4/2012	4.5-6.1P3, 2P2, 4P1	Changed P4 TK version from "15" to "16"
	4.5-6.5P2,3, 4.5-6.6P2,3	Moved to Disabled/deleted table
4/16/2012	9.2P3, 9.3P3, 9.4P3	New PGEs added to list
	Table 2 - BDS Product	Status of URL in Sample Read Package README Update changed from "N" to "Y"
	7.3.1P1, 7.2.1P1, 10.0P3	Changed P6 status and new wrapper status from "ValRx" to "Y"
	9.2P1, 9.3P1, 9.4P1, 7.1.1P1	Moved to Table 3
5/7/2012	4.1-4.1P6, 2P4, 2P5, 3P3	Changed P6 status and new wrapper status from "SSI&T" to "Devel"
5/14/2012	Table 2 - ES8, ES4, and ES9 Products	Status of URL in Sample Read Package README Update changed from "N" to "Y"
	12.1P1	Changed P6 and X86 statuses from "Y" to "Devel"
	9.0P2,3	Changed P6 and New Wrapper statuses from "SSI&T" to "ValRx"
5/30/2012	4.1-4.1P6, 2P4, 2P5, 3P3 4.5-6.1P4,5, 2P3, 4P2	Changed P6 status and new wrapper status from "Devel" to "SSI&T"
	12.1P1	Changed P6 and X86 statuses and new wrapper status from "Devel" to "SSI&T"
	Table 1	Added column for tracking CATALYST PGEs
6/13/2012	1.1P8	Changed X86 Status from "Devel" to "SSI&T"
	12.1P1	Changed P6 and X86 statuses from "SSI&T" to "ValRx"
7/11/2012	9.0P2,3	Changed P6 status and new wrapper status from "ValRx" to "Y"
	2.1P1, 2.2P1, 2.3P1,2, 2.4P1, 3.1P1, 3.2P1	Changed X86 statuses from "Devel" to "SSI&T"

Revisions:		
7/25/2012	4.1-4.1P6, 2P4, 2P5, 3P3 4.5-6.1P4,5, 2P3, 4P2	Changed P6 status and new wrapper status from "SSI&T" to "ValRx"
	5.0P2	Changed P6 and X86 statuses and new wrapper status from "N" to "Devel", Changed CATALYST status from "n/a" to "N".
	4.1-4.0P2, 1P4,5, 2P2,3, 3P2, 4.5-6.1P2,3, 2P2,4, 4P1, 5P4,5 5.0P2, 9.0P1, 1P1, 2P2, 3P2, 4P2, 11.7P1	Changed P6 statuses and new wrapper status from "N" to "Devel" . Changed CATALYST status from "n/a" to "N".
	11.2P2, 4P1, 6P1	Changed X86 statuses "Devel" to "N".
	8/8/2012	4.5-6.1P2,3, 2P2,4, 4P1, 5P4,5
8/8/2012	1.1P8, 1.4P2	Changed X86 statuses from "SSI&T" to "Y".
	1.4P3, 4.1-4.0P2, 1P4,5, 2P2,3, 3P2, 4.5-6.1P2,3, 2P2,4, 4P1, 5P4,5 5.0P2, 9.0P1, 1P1, 2P2, 3P2, 4P2, 11.7P1	Changed P6 and X86 TK Versions from "16" to "18" (unless equal to "N/A")
	8/22/2012	5.0P2
8/22/2012	4.1-4.1P6, 2P4, 2P5, 3P3 4.5-6.1P4,5, 2P3, 4P2	Changed P6 status and new wrapper status from "ValRx" to "Y"
	12.1P1	Changed P6 and X86 and new wrapper statuses from "ValRx" to "Y"
	9/5/2012	2.1P1, 2.2P1, 2.3P1,2, 2.4P1, 3.1P1, 3.2P1
9/19/2012	4.1-4.0P2	Removed comment indicating that migration to AMI was not in the near future
10/3/2012	4.5-6.5P4,5, 2P4, 4P1	Changed P6 and X86 statuses and new wrapper status from "Devel" to "SSI&T"
	5.0P2	Changed P6 and X86 and new wrapper statuses from "ValRx" to "Y"
10/17/2012	6.1P1, 11.1P10, 2P2, 4P1, 6P1	Changed P6 status and new wrapper status from "Devel" to "N"
	10.0P4	New PGE added to list
	2.1P1, 2.2P1, 2.3P1,2, 3.1P1, 3.2P1	Changed P6 and X86 and new wrapper statuses from "ValRx" to "Y"
	2.4P1	Changed P6 status and new wrapper status from "ValRx" to "Y", changed X86 status from "ValRx" to "N".
10/31/2012	9.2P2, 3P2, 4P2	Changed P6 status and new wrapper status from "Devel" to "SSI&T"