

September 19, 2012 - System Issues and Status

Table 1: Process Strategy/Coleman as of 09/19/12

Active Requests in order of priority as of 09/17/12

| 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 | |

**Table 1: Process Strategy/Coleman as of 09/19/12
Active Requests in order of priority as of 09/17/12**

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|--|------------------------------|----------------------------|--------------------------------|--|--------------------------|-------------------------------------|
| 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 PM 1-11 to 7-11 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 | |
| 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 | | | | | | |
| 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 | Ready 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 | Ready Priority Level 1 |

**Table 1: Process Strategy/Coleman as of 09/19/12
Active Requests in order of priority as of 09/17/12**

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|--|----------------------|----------------------------|------------------------------|---------------------------------------|--------------------------|---|
| 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 | Ready Priority Level 1 |
| 27-12 thru 30-12 SCCRs 801, 804, 795 | Terra+ Aqua | Edition3A | TSI, SYNI SYN1deg | 10.0P3 7.3.1P1 7.2.1P1 8.1P1 | 1/2006 CC=301301 | Ready. Priority Level 2 |
| 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 |
| 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 |
| 145-12 thru 148-12 | FM1 FM3 | ValR27_X86 b | ERBE-like | 2.2P1 2.3P1, 2 3.1P1 3.2P1 | 02/2011 | Complete. 9/12/12 |
| 50-12 thru 52-12 | Terra- Aqua | Edition2A | ISCCP- D2like- Mrg | 9.0P2 9.0P3 | 7/02 – 6/10 | Complete. 6/22/12 |
| 137-09 SCCR 746 | FM1, FM2 | Edition2A | ISCCP- D2like- Day/Nit | 9.0P1 | Launch thru 10/02 | Complete. 10/18/11 |
| **** 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 **** | | | | | | |

**Table 1: Process Strategy/Coleman as of 09/19/12
Active Requests in order of priority as of 09/17/12**

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|--------------------------------|------------------|----------------------------|---------------------------|-------------|-------------------|---|
| 140-12, 141-12 SCCR 917 | FM1, FM3 | ValR1-P6 | SAH | 5.0P2 | 12/2011 | HOLD –PreProd- Pending Promotion Priority Level 3 |
| 142-12, 143-12 SCCR 917 | FM1, FM3 | ValR1-X86 | SAH | 5.0P2 | 12/2011 | HOLD –PreProd- Pending Promotion Priority Level 3 |

Table 2. September 19, 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 929 – Installed this Instantaneous SARB delta delivery on <i>AMI-P</i> and released it to the ASDC on September 7. (Cooper) • SCCR 930 – Installed this Perl_Lib delta delivery on <i>AMI-P</i> and released it to the ASDC on September 14. (Ayers) • SCCR 860 – Stored this delivery in the SCF-Production Code Repository. (Ayers) • SCCR 917 – Formatted the updated Instantaneous SARB Operator’s Manual, posted it on the Web, and provided it to the ASDC. (Saunders) |
| <i>AMI</i> Job Submission Scripts (AJSS) | Ayers (Hillyer) | <ul style="list-style-type: none"> • Continuing development of SCCR Dashboard tool. (Heckert) • Continued working on the job submission scripts for upcoming deliveries. (Grepitotis, Hillyer) |

Table 3. SCCR Activity September 4 at 11:00 a.m. – September 19 at 12:00 p.m.

| SCCR | S | U | A | C | D | SS | Page No. | Comments |
|-------------|----------|----------|----------|----------|----------|-----------------------|-----------------|-----------------|
| 888 | | | | | X | TISA Gridding | | |
| 897 | | | | | X | TISA Gridding | | |
| 898 | | | | | X | CERESlib | | |
| 927 | | | X | | | Clouds | | |
| 928 | | | X | | | CERESlib | | |
| 929 | X | | X | | | Instantaneous SARB | 7 | |
| 930 | X | | X | | | Perl_Lib | 8 | |
| 931 | X | | | | | CATALYST | 9 | |
| 932 | X | | | | | Perl_Lib | 10 | |
| 933 | X | | | | | PR_Database | 11 | |

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

CERES Software Configuration Change Request Submittal

Subsystem: SARB SCCR Date & TIME: 2012-09-05 14:35:29 SCCR No.: 929

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

(Req# 5-29.0)

Delivery of MATCH ancillary data files from July 2010 to Dec 2011 to AMI.

Reason for Change (non-Science):

(Req# 5-29.0)

Necessary to process production requests for PGE 5.0P2.

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: 2 days

Planned Delivery Date: Sep 7, 2012

List Affected Subsystems and PGE Names: SARB CER5.0P2

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Perl_Lib

SCCR Date & TIME: 2012-09-12 08:17:42

SCCR No.: 930

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Capture exit codes of '99' in SGE_Utils::sgeLogFooter() and interpret them as a PGE_ERROR (200) in the CERES Standard Exit Codes document.

Reason for Change (non-Science):

Exit codes of '99' are interpreted by the SGE queue master as a signal to resubmit the job. If a PGE returns an exit code of '99', SGE will continuously resubmit the job until a manual deletion of the job is performed.

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: 9/13/2012

List Affected Subsystems and PGE Names: AMI PGEs

Originator: HILLYER, THOMAS N. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: CATALYST SCCR Date & TIME: 2012-09-13 09:30:09 SCCR No.: 931

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Initial code delivery of CATALYST server that will only provide the ability for the PR Database Web Application to accept user logins.

Reason for Change (non-Science):

Required to support the initial release of the PR Database Web Application.

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: 9/21/2012

List Affected Subsystems and PGE Names: PR_Database

Originator: HILLYER, THOMAS N. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Perl_Lib SCCR Date & TIME: 2012-09-17 09:30:54 SCCR No.: 932

Parameter Change: () YES (X) NO

Description of Change (Science): N/A

Reason for Change (Science): N/A

Description of Change (non-Science):

Adding DRMAA support (Cluster::DRMAA) to Perl_Lib which replaces "qsub" system calls. Change is transparent for CERES::AJSS_PGE-based SGE Driver scripts. This will require an update to the Perl_Lib test plan, since additional steps are needed to correctly compile PerlXS code for DRMAA.

Adding File::Path::Utils module containing to provide caller with current working directory with observance to symbolically linked upper level directories.

Adding Term::ReadKey module to read passwords in at the command line.

Reason for Change (non-Science):

DRMAA is the API that will be used by CATALYST for submitting and controlling jobs running in SGE. This API is now being utilized in non-CATALYST PGEs to eliminate differences in CATALYST and non-CATALYST modes of operation.

ASDC operations is now working (as of August 2012) from a symbolic linked CERESHOME. Any direct calls to Perl's Cwd module (core module) dereference the symbolic linked path to the associated canonical path, causing confusion in ASDC ingest scripts.

Perl 5.10 installation in "/usr/local" is missing Term::ReadKey; was available in Perl 5.8. Adding this to Perl_Lib so libraries are consistent amongst Perl_Lib installation targets.

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: 2 Days

Planned Delivery Date: 9/21/2012

List Affected Subsystems and PGE Names: AMI PGEs and CATALYST

Originator: HILLYER, THOMAS N. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: PR_Database SCCR Date & TIME: 2012-09-19 09:51:44 SCCR No.: 933

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Delivering Build 1 of the CERES PRDB Tool. The delivery will include both the structure of the database and the Web Interface.

(CERES Production Request Database Tool Requirements Document)

Reason for Change (non-Science):

No changes. Initial delivery

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

N/A

Reason for Parameter Change:

N/A

Affected PGEs in this Subsystem:

none

Estimated Time to Complete Change: N/A

Planned Delivery Date: 9/21/12

List Affected Subsystems and PGE Names: All active PGEs

Originator: COLEMAN, LISA H. (SSAI)

Table 4. September 19, 2012 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|--------------------|---------------------|--|--|
| Toolkit Issues | Hillyer (Wilkins) | <ul style="list-style-type: none"> Nothing new to report. (Hillyer) | |
| CERES-lib | Hillyer (Wilkins) | <ul style="list-style-type: none"> Nothing new to report. (Hillyer) | |
| Perl_Lib | Hillyer (Wilkins) | <ul style="list-style-type: none"> SCCR 932 - Added functions to CERESlib (File::Path::Utils) to allow scripts to get subsystem directories relative to current directory; symbolically linked top level directories are not translated into their canonical path. Also delivering DRMAA job submission code on SCF and adding Term::ReadKey to read passwords on the command line (missing from Perl 5.10 transition). Will deliver in conjunction with Inversion SCCR 912 or CATALYST SCCR 931. (Hillyer) | <ul style="list-style-type: none"> |
| CERES Proc. System | Hillyer (Wilkins) | <ul style="list-style-type: none"> SCCR 931 - Initial code delivery of CATALYST server that will only provide the ability for the PR Database Web Application to accept user logins. Working on CATALYST Test Plan and Operator's Manual to cover installation, administration, and CM testing procedure. Will deliver in conjunction with PR Web App delivery. (Hillyer) Finished initial version of logging database interface. Now working with to test interface using product backloggers. (Wilkins) Updated job container API to store jobs as a structure resembling folders breaking jobs down by data date. Client calls to CATALYST server are much more responsive. (Hillyer) Applied user interface update requests to Operator's Console and demonstrated them to the ASDC Ops group on September 17. (Wilkins) | |
| 1.0 | Cooper (Grepitotis) | <ul style="list-style-type: none"> SCCR 877 - This effort continues, but has been rescheduled for January 2013 due to higher priority deliveries related to moving software off of <i>magneto</i>. (Grepitotis, Timcoe) The converted Solar/Lunar angle software appears to be working. Testing to ensure that all functionality is performing correctly will continue. This is expected to replace the existing Ada version beginning in October. (Cooper) | |

Table 4. September 19, 2012 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|-----------------|------------------------|---|----------|
| 1.0 (Cont'd) | Cooper (Grepitotis) | <ul style="list-style-type: none"> • Began work to get the Available Data Web page software working in C++. Many of the classes have already been written. At this time the work involves creating the main program and working through issues as they arise with the converted classes. (Cooper, Grepitotis) | |
| 2.0 | Walikainen (Lande) | <ul style="list-style-type: none"> • SCCR 867 - Created two sets of ES8s. One set used <i>p6</i>-SCCs, the other <i>x86</i>-SCCs. ES8 comparisons show $\sim \pm 0.02 \text{ Wm}^{-2}$ when the footprint pairs compared have the same scene id. <i>p6</i> and <i>x86</i> relrms(s) and relbias(s) differ, but both have acceptable values. (Walikainen) • SCCR 867 - Continued use of <i>P6</i> versus <i>x86</i> SCCs' analysis: assessed monthly SWF means (i.e., ES4) Terra/Aqua data and reported to Tak. Also analyzed Terra+Aqua DQCG differences for trends/associations (i.e., latitude/scene) in monthly-hr/day means, their \pm distribution, and traced them back to the daily CQCI/ES8 data. Sent report to Tak/Walt. (Lande) • SCCR 867 - Determined that archiving of data products when exit code not zero (i.e., plot failure) should be on case-by-case (i.e., plot importance) basis. (Lande) • Continued to assist with PR issues: clarified when and how IMAG variable was dropped (740), assisted with processing of ValR27-X86b (and validated it), and monitored Ed1-CV FM5 processing status. Sent report of lessons learned from August system upgrades to Josh. (Lande) • Continued to develop Edition4 Aqua SRFs. (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"> • Processed Terra Beta1-Ed4 QC global images and statistics from 200004 through 200011. Results were posted on the Web. (R. Brown) • QC Differences were produced between Terra Beta1-Ed4 and Terra Edition2 QC data between 200004 through 200011. Results were posted on the Web. (R. Brown) | |

Table 4. September 19, 2012 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|-----------------|---------------------|---|----------|
| 4.1 (Cont'd) | Sun-Mack (Brown) | <ul style="list-style-type: none"> • Tested the new features of CLOUDS TOOL. (Chen) • Submitted abstract of "Clear-Sky Narrowband Albedo Datasets Derived From MODIS DATA" for the 35th International Symposium on Remote Sensing of Environment. (Chen) • Started working on Clear-Sky Albedo Maps for 0.6 μm using New Snow Model. (Chen) • Tested QC Reader for the files generated on <i>P6</i> and <i>x86</i>. (Chen) • Continue checking the daily ingest completion of VIMD (03001) and VAOT (03001 and 03002) data on the /ASDC_archive. (Chen) • Checked the VIMD from GSFC and LARC after the SDS names' change. (Chen) • Ftped one day of VIAE, VMAE, and VDNE data (2012225) on SSAI04 and processed VIMD with the new subsetter code for SDS names' change. Started checking the VIMD output with VIAE, VMAE, and VDN. (Chen) • Worked with the ASDC operators to troubleshoot some Clouds issues. (Smith) • Continued updating CER4.1-4.0P2 for <i>AMI</i> and trying to get CER4.1-4.0P2 to run on <i>x86</i>. (Smith) • Continued improvements on QC Post-Processing software. Gave this code to Ricky to begin using on Edition4 QC. (Smith) • Running Aqua 200704 for the STM. (Smith) • Attended EUMETSAT (September 3-7) and gave a talk on CERES Ed4. (Sun-Mack) • Worked with the ASDC and clouds team members on issues in Ed4 processing. (Sun-Mack) • Worked on NEWS. (Sun-Mack) • Worked with LPEATE and Chen on issues regarding the changes at LPEATE which affected CERES subsetter. (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. | |

Table 4. September 19, 2012 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|--------|-----------------------|---|----------|
| 4.4 | Miller (Antropov) | <ul style="list-style-type: none"> • SCCR 918 - Investigated a problem with x86 version of Snow and Ice processor. Likely cause is stack size. (Miller) • Created scripts to check input and output data for Beta1-Ed4 processing. (Miller) • Monitored Beta1-Ed4 processing. (Miller) • Generated list of missing input data for Beta1-Ed4 2001 processing. (Miller) • Developed daytime Shortwave correction using nighttime values for NOAA9 ERBE processing. (Miller) • Creating animations and Web pages for cloud radiative effects and anomalies using datasets obtained from NetCDF files. (Antropov) • Working on the program to read binary SSFB and SSFA files and to write HDF5 SSF file. (Antropov) | |
| 4.5 | Sothcott | <ul style="list-style-type: none"> • SCCR 912 - Completed additional testing in preparation for the delivery. (Sothcott) • SCCR 912 - Reviewed, updated, and retested scripts for the delivery. (Sothcott, Hillyer) • SCCR 912 - Continued making updates to the Test Plan and Operator's Manual. (Sothcott) • Had my workstation OS upgraded and changed to the VPN network. Still working out issues that have come up from the system change. (Sothcott) | |
| 4.6 | Sothcott | <ul style="list-style-type: none"> • Combined with above. | |
| 5.0 | Caldwell (Coleman) | <ul style="list-style-type: none"> • Testing Edition4 surface albedo history code with available Edition4 SSFB files. (Caldwell) • Initial results seem reasonable. (Caldwell) | |
| 7.2 | Caldwell (Coleman) | <ul style="list-style-type: none"> • Nothing new to report. (Caldwell) | |
| 12.0 | Caldwell (Coleman) | <ul style="list-style-type: none"> • Nothing new to report. (Caldwell) | |
| 7.1 | Nguyen (Lock) | <ul style="list-style-type: none"> • Completed cleaning January through June 2012 GGEO images. (Nguyen, Keyes) | |
| 8.0 | Nguyen (Lock) | <ul style="list-style-type: none"> • Pam Mlynczak found bad ocean and land aerosols in August 2002 SYN 1Deg. Read the input data for TSI and provided the values for given location. (Nguyen) | |

Table 4. September 19, 2012 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|--------|-----------------|--|----------|
| 10.0 | Nguyen (Lock) | <ul style="list-style-type: none"> • Ran April 2000 Edition4 daily SSF for Moguo Sun for the study of the LW narrowband to broadband conversion. (Nguyen) • Provided plots of the comparison of SSF 1Deg Lite and the flux-by-cloud data for the flux-by-cloud validation. (Nguyen) • Practicing and familiarizing with phases 1 and 2 of the flux-by-cloud code. (Keyes) • Plotted SSF 1Deg nonGEO data and compared with SSF1Deg Lite for validation. (Nguyen) | |
| 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 - Modified CER9.2P3 scripts to work for CER9.2P2. Made a few test runs. (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) • Ran PGEs CER9.2P2 - CER9.4P2 process using test plan to get familiar with the gridding process. (Forrest Wrenn) • Started looking into PGE CER9.1P1 (PMOA) PCF scripts for <i>AMI</i> delivery. (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) • Modified LW code to replace two cloud layer code with the total cloud for TISA process. Created flow charts to show logic and the code modifications. Wrote routines to calculate total clouds and output comparisons. Code was tested using July 2004 Edition2B SSF-Day and provided all documents and the software to Dave Doelling. (Raju) • Checked NetCdf file and provided additional parameters that are expected in GGEO process to Dave and Rabi. Started writing new code to read NetCdf inputs, process and write outputs with the same Edition3 format. The same format output is due to the information received from Dave that there are no NetCdf inputs for MET7 /MET5. Need to | |

Table 4. September 19, 2012 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|------------------|--------------------|---|-----------------|
| 11.0 (Cont'd) | Raju (F. Wrenn) | combine the existing MET7/MET5 GRAN files (main processor outputs) with the other four satellite data in post processor to create GGEO. (Raju, Forrest) | |

Table 5. September 19, 2012 – DM Tasks

| Activity | Status |
|---|--|
| Production Processing Database/Automation (Coleman) | <ul style="list-style-type: none"> • Continuing preparations to move PR DB Tool to Pre-production. (Heckert) • Working with the ASDC staff to determine environmental information to include in PPE and production versions of interface. (Grune, Heckert, Coleman) • Updating Transition plan as above information is determined. (Coleman) |
| CERES Websites (Kizer) | <ul style="list-style-type: none"> • Working with Pam Mlynczak to add a new report to the CERES Ordering Tool statistics tool. (Heckert) • The CWG Website continues to be checked for functionality and security issues. The personal sites for Alice Fan and Bob Arduini were migrated and Mandy Khaiyer is nearly completed. (Kizer) • ERBEWeb continues to be addressed with only the perl scripts that write to the Web disk still outstanding. (Kizer) • Modifications continue to be made as suggested by Dave Doelling to the prototype ASDC-CERES product pages for future Edition3 and Edition4 products. (Kizer, Heckert) |
| CERES Ordering Tool (Chu/Mitrescu) | <ul style="list-style-type: none"> • Beta release for Clouds Validation tool was promoted to the production. The new features are: (Chu) <ul style="list-style-type: none"> ○ It instantly displays the data and location of a footprint when a cursor goes over the corresponding pixel on the image. It also displays the location of the footprint on a Google Earth. ○ It allows users to browse through all granules in a day without redefining min/max, etc. ○ It allows users to define a function by selecting a function template and a set of parameters. The system treats the function as a new parameter, which shares all functionality a regular parameter has. • Release 2.3.4.i was promoted to the production. The new features are: (Mitrescu) <ul style="list-style-type: none"> ○ It allows complex temporal averaging for regional data. ○ The users can select a 2nd parameter from any CERES level 3 or 4 products to show anomaly or 2D histogram. • Continue working on the new spatial DB schema that contains the info of the percentage of cross track footprints per SSF Level 2 file. The performance of the query on SSF level 2 Terra Edition 3A is quite slow because a self join operation is used. Further investigation is needed. (Chu) |

Table 5. September 19, 2012 – DM Tasks

| Activity | Status |
|--|---|
| CERES Ordering Tool (Chu/ Mitrescu) (Cont'd) | <ul style="list-style-type: none">• Continue work on “operator” function for zonal and global data. (Mitrescu)• Continue work on “info” buttons for SYN1deg new data sets. (Mitrescu)• Fix minor bugs in the code. (Mitrescu) |

Table 6. September 19, 2012 – NPP Issues

| Activity | Status |
|----------|---|
| FM5 | <ul style="list-style-type: none">• NPP-FM5 RDRs have all been received; however, in the past week, we have seen delays in the receipt of data. The issues have been with both receiving data from LandPEATE and the ANGe dropbox. At this point we have received all of the NPP RDRs within 48 hours. (Cooper)• The issue that is causing spikes in the NPP-FM5 data has been discovered. The team is now working on how to update CER1.1P8 to not convert radiances when the conditions that caused the spikes exist. This is not a trivial effort, because the issue is something that occurs on a regular basis, but just happens to occur in the right spot to cause the existing issue with NPP-FM5. (Grepitotis, Hess, Smith, Timcoe) |

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 | |
| CER1.4P3 | N | N | N/A | Devel | 18 | Devel | 18 | Devel | N | | |
| ERBE-like - 2 | CER2.1P1 | N | Y | 16 | ValRx | 16 | ValRx | 16 | Y | N | |
| | CER2.2P1 | N | Y | 15 | ValRx | 16 | ValRx | 16 | Y | N | Compile HDF with TK 15, run with TK 16 |
| | CER2.3P1 | N | Y | 16 | ValRx | 16 | ValRx | 16 | Y | N | |
| | CER2.3P2 | N | Y | 16 | ValRx | 16 | ValRx | 16 | Y | N | |
| | CER2.4P1 | N | Y | 16 | ValRx | 16 | ValRx | 16 | Y | N | |
| ERBE-like - 3 | CER3.1P1 | N | Y | 16 | ValRx | 16 | ValRx | 16 | Y | N | |
| | CER3.2P1 | N | Y | 16 | ValRx | 16 | ValRx | 16 | Y | N | |
| Clouds 4.1-4 | 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/SOFA 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 | Devel | 18 | Devel | 18 | Devel | N | Ed3 daily post-processor |
| | CER4.5-6.4P1 | N | Y | 16 | Devel | 18 | Devel | 18 | Devel | 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 | Devel | 18 | Devel | 18 | Devel | N | IES-SSF Terra New PGE, Ed2 format | |
| CER4.5-6.5P5 | N | Y | 16 | Devel | 18 | Devel | 18 | Devel | 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 | SSI&T | 18 | SSI&T | 18 | SSI&T | 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 |
| CER5.4P2 | N | Y | 16 | N | N/A | N | N/A | n/a | n/a | Ed2 only | |
| TISA Grid - 6 | CER6.1P1 | N | Y | 15 | N | N/A | Devel | 16 | n/a | n/a | Ed2 only |
| | CER6.2P1 | N | Y | 15 | N | N/A | N | N/A | n/a | n/a | Ed2 only |
| | CER6.3P1 | N | Y | 15 | N | N/A | N | N | n/a | n/a | Ed2 only |
| TISA Avg - 7.1 | 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

| 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) | |
| 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 | Devel | 18 | N | N/A | Devel | 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 | Devel | 18 | N | N/A | Devel | 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 | Devel | 18 | N | N/A | Devel | N | PGE for Edition3 |
| TISA Avg - 10 | CER9.4P3 | N | N | N/A | Devel | 18 | N | N/A | N | N | New PGE for Edition4 |
| | CER10.0P3 | N | Y | 16 | Y | 16 | N | N/A | Y | N | PGE for Edition3 |
| GGEO - 11 | CER11.1P10 | N | Y | 16 | Devel | 18 | N | N/A | n/a | n/a | |
| | CER11.2P2 | N | Y | 16 | Devel | 18 | N | N/A | n/a | n/a | |
| | CER11.4P1 | N | Y | 16 | Devel | 18 | N | N/A | n/a | n/a | |
| | CER11.6P1 | N | Y | 16 | Devel | 18 | 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: | | |
|------------|---|---|
| Date | Affected Section or PGE/Product ID | Revision Made |
| 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 | Changed X86 statuses from "N" to "Devel". |
| | 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 | Changed P6 and X86 statuses and new wrapper status from "Devel" to "SSI&T" |
| | 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 | Changed P6 and X86 statuses from "SSI&T" to "ValRx" |
| 9/19/2012 | 4.1-4.0P2 | Removed comment indicating that migration to AMI was not in the near future |