

October 19, 2011 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 10/17/11
Active Requests in order of priority as of 10/17/11**

| 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 | |
| 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 3-11 SCCR 858 | CERES | DAO-G5-CERES | MOA | 12.1P1 | Standing request | New PR for AMI processing |
| PR M 2-11 SCCR 753 | CERES | DAO-G5-CERES | PMOA | 9.1P1 | Standing request | New PR to coordinate with new standing PR M 3-11 |
| 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 88-11 SCCR 866 | NPP | ValR23 PreLaunch- GOE | BDS, IES | 1.1P8 | 9/6/10 – 9/8/10 9/6/10 – 9/19/10 | Ready Priority 1 |
| PRs 111-11 SCCRs 863 | NPP | ValR23 PreLaunch- GOE | BDS, IES | 1.2P1 | 9/6/10 – 9/8/10 9/6/10 – 9/19/10 | Ready Priority 1 |
| PR 113-11 SCCR 756 | NPP | ValR23 PreLaunch- GOE | BDS, IES | 1.4P1 | 9/6/10 – 9/8/10 9/6/10 – 9/19/10 | Ready Priority 1 |
| PR 182-11 SCCR 734 | NPP | PreLaunch- GOE | ES8 | 2.2P1 | 9/6/10 – 9/19/10 | Ready Priority 1 |
| PRs 89-11 thru 91-11 154-11 thru 158- 11 SCCR 866 | Terra Aqua TRMM | ValR23 | BDS, IES | 1.1P8 | 3/00, 11/04, 4/09 9/02, 11/04, 4/09 and other selected months | Ready Priority 1 |
| PRs 92-11 thru 96-11, 104-11 thru 108-11 SCCRs 863, 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, 11/04, 4/09 | Ready Priority 1 |
| PRs 97-11, 98-11 SCCR 756 | Terra Aqua | ValR23 | | 1.4P1 | 3/00, 11/04, 4/09 9/02, 11/04, 4/09 | Ready Priority 1 |
| PRs 102-11, 103-11 SCCR 770 | Terra Aqua | ValR23 | | 1.4P2 | 3/00, 11/04, 4/09 9/02, 11/04, 4/09 | Ready Priority Level 1 |

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| PRs 128-11, 129-11 SCCR 770 | Terra Aqua | ValR24 | | 1.4P2 | 3/00, 11/04, 4/09 9/02, 11/04, 4/09 | Ready Priority Level 1 |
| PRs 176-10 thru 178-10 SCCRs 811, 791, 690 | Terra | Edition3A | SSF | 4.5-6.5P4 4.5-6.2P4 4.5-6.4P1 | 3/00 – 10/05 | In Progress Priority Level 2 |
| PRs 179-10 thru181-10 SCCR 789 | Terra | Edition3A | SFC | 9.2P2, 9.3P2 9.4P2 | 3/00 – 10/05 | Ready Priority Level 2 |
| PR 182-10 SCCR 794 | Terra | Edition3A | SAH | 5.0P2 | 3/00 – 10/05 | Ready Priority Level 2 |
| PRs 164-11 thru 166-11 | Terra | Edition3A | SSF | 4.5-6.5P4 4.5-6.2P4 4.5-6.4P1 | 1/06, 5/06, 6/06 | Ready Priority Level 2 |
| PRs 161-11 thru 163-11 | Terra | Edition3A | SFC | 9.2P2, 9.3P2 9.4P2 | 1/06, 5/06, 6/06 | Ready Priority Level 2 |
| PR 137-09 SCCR 746 | FM1, FM2 | Edition2A | ISCCP- D2like- Day/Nit | 9.0P1 | Launch thru 10/02 | In Progress Priority Level 2 |
| PR 87-11 SCCR 865 | NPP | ValR23 | BDS, IES | 1.1P7 | 9/6/10 – 9/8/10 | Ready Priority 2 |
| PR 110-11 SCCR 865 | NPP | ValR24 | BDS, IES | 1.1P7 | 9/6/10 – 9/8/10 | Ready Priority 2 |
| PRs 112-11 SCCR 716 | NPP | ValR23 | BDS, IES | 1.3P1 | 9/6/10 – 9/8/10 | Ready Priority 2 |

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|------------------------------------|------------------|----------------------------|------------------------------|-------------------------|--|--|
| PR 136-09 SCCR 746 | FM3, FM4 | Edition2A | ISCCP- D2like- Day/Nit | 9.0P1 | Launch thru 10/02 | Ready. Priority Level 2 |
| PR 6-11 SCCR 749 | CERES | GMAO- G541-Ed4 | MOA | 12.1P2 | 2/28/2000 – 3/1/2010 | In Progress Priority Level 2 |
| PR 65-11 SCCR 794 | FM1 FM2 | Edition3A | SAH | 5.0P2 | 7/10 – 11/10 | Ready Priority Level 2 |
| PR 69-11 SCCR 794 | FM1 FM2 | Edition3A | SAH | 5.0P2 | 12/2010 | Ready Priority Level 2 |
| PR 68-11 SCCR 794 | FM3 FM4 | Edition3A | SAH | 5.0P2 | 3/10 – 6/10 | 3 / In Progress. FM3 Complete Priority Level 2 |
| 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 |

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|--|----------------------|--------------------------------|------------------------------------|-------------------------|--|---|
| 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 |
| PR 45-09 SCCR 685 | FM3 | Edition2D | FSW | 6.1P1 6.2P1 6.3P1 | 12/1/07 - 6/30/10 | Ready. Priority Level 3 |
| PR 86-11 SCCR 855 | NPP | ValR23 PreLaunch | | 1.0P2 | 9/6/10 – 9/8/10 | Complete. 10/11/11 Priority 1 |
| <p>**** The PRs that follow are on HOLD. They cannot be processed until the necessary input data are available. ****</p> | | | | | | |
| PR 188-10 SCCR 795 | Merged | Edition3A | SYN1deg-3Hour/ M3Hour/ Month | 8.1P1 | 12/07 – 6/10 | HOLD – Production - Input Priority 1 |
| PR 173-10 SCCR 797 | Terra-Aqua | Edition3A | SYNI | 7.2.1P1 | 12/07 – 6/10 | HOLD – Production - Input Priority 3 |
| PRs 183-10 175-10 174-10 82-11 SCCR 797 | Merged | Edition3A | SYNI | 7.2.1P1 | 7/02 – 10/05 11/05 – 4/06 1/06, 5/06 – 12/07 7/10 – 12/10 | HOLD – Production - Input Priority 3 |
| PRs 191-10, 190-10, 189-10, 81-11 SCCR 795 | Merged | Edition3A | SYN1deg-3Hour/ M3Hour/ Month | 8.1P1 | 7/02 – 4/06 1/06, 5/06 – 12/07 7/10 – 12/10 | HOLD – Production - Input Priority 3 |

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|--|------------------|----------------------------|---------------------------|-------------------------------------|--|--|
| 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 | Hold-Production-Input. Complete thru 12/31/10 Priority Level 3 |
| PRs 70-11 thru 72-11 SCCR 789 | Terra Xtrk | Edition3A | SFC | 9.2P2 9.3P2 9.4P2 | 12/2/2010 – 1/1/11 | Hold-Production-Input. Complete thru 12/31/10 Priority Level 3 |
| 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 | Hold-Production-Input. FM3 Complete thru 12/31/10 Priority Level 3 |
| 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 | Hold-Production-Input. Complete thru 12/31/10 Priority Level 3 |
| **** The PRs that follow are on HOLD. They cannot be processed until the PGEs have completed pre-operational testing and been promoted **** | | | | | | |
| PRs 84-10, 76-10, 92-10 SCCRs 812 -871, 791, 690 | FM3, FM4 | Edition3A | SSF | 4.5-6.5P5 4.5-6.2P4 4.5-6.4P1 | 7/2/02 – 3/30/05 | Hold – Preprod – Pending Promotion Priority Level 2 |
| * 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 | Hold-Production-Input – 4/05 thru 4/06 already processed Priority Level 2 |

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|---|------------------|----------------------------|---------------------------|--|--|--|
| PR 100-10 SCCR 794 | FM3, FM4 | Edition3A | SAH | 5.0P2 | 7/02 – 3/05 | Hold-Production- Input Priority Level 2 |
| PR 181-11 SCCR 804 | Terra +Aqua | Ed3A-ValR1 | SYNi | 7.2.1P1 | 01/2008 | HOLD – PreProd- Pending Promotion Priority 1 |
| 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 139-11 thru 142-11 SCCR 809 | FM1, FM2 | Beta1-Ed4 | SSFI | 4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3 | 2/28/2000 – 6/1/2005 | HOLD –PreProd- Waiting for Promotion Priority Level 2 |
| PRs 143-11 thru 146-11 SCCR 809 | FM3, FM4 | Beta1-Ed4 | SSFI | 4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3 | 6/30/2002 – 3/30/2005 | HOLD –PreProd- Waiting for Promotion Priority Level 2 |
| PR 160-11 SCCR 833 | Terra- Aqua | Edition3A | (pre)TSI | 10.0P3 | 1/06, 5/06, 6/06 | HOLD – Pre- Production - Delivery Priority Level 2 |
| PRs 168-11 SCCR 833 | Terra- Aqua | Edition3A | (pre)TSI | 10.0P3 | 3/10 – 6/10 | HOLD – Pre- Production - Delivery Priority Level 2 |
| PR 83-11 SCCR 833 | Terra- Aqua | Edition3A | TSI | 7.3.1P1 | 7/10 – 12/10 | HOLD – Pre- Production - Delivery Priority 2 |

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|--|------------------|----------------------------|--|---|---|--|
| PR 164-10 SCCR 833 | Terra-Aqua | Edition3A | TSI | 7.3.1P1 | 12/07 – 2 6/10 | HOLD – Pre-Production - Delivery Priority 2 |
| PR 167-11 SCCR 833 | Terra-Aqua | Edition3A | TSI | 7.3.1P1 | 3/10 – 6/10 | HOLD – Pre-Production - Delivery Priority Level 2 |
| PR 159-11 SCCR 833 | Terra-Aqua | Edition3A | TSI | 7.3.1P1 | 1/06, 5/06, 6/06 | HOLD – Pre-Production - Delivery Priority Level 2 |
| PR 165-10 SCCR 833 | Terra-Aqua | Edition3A | TSI | 7.3.1P1 | 7/06 – 7/12 | HOLD – Pre-Production - Delivery Priority Level 3 |
| PR 169-10 SCCR 833 | Terra-Aqua | Edition3A | (pre)TSI | 10.0P3 | 7/02 – 4/06 | HOLD – Pre-Production - Delivery Priority 3 |
| PR 166-10 SCCR 833 | Terra-Aqua | Edition3A | TSI | 7.3.1P1 | 7/02 – 4/06 | HOLD – Pre-Production - Delivery Priority Level 3 |
| PRs 169-11 thru 180-11 SCCR 740 | Terra, Aqua | ValR25a, ValR25m | SCC Snow, Ice ES8, ES4, ES9 | 2.4P1 2.1P1 2.2P1, 2.3P1, 2.3P2, 3.1P1, 3.2P1 | 9/15/07 – 11/15/07 10/07 9/30/07 – 11/1/07 10/07 | HOLD –PreProd- Waiting for Promotion Priority Level 2 |
| **** PRs to be written **** | | | | | | |

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| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|--------------------------------|------------------|----------------------------|---------------------------|---|--|-----------------------|
| | 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 | Inversion | | |
| | FM3 FM4 | Beta1-Ed4 | SSF | Inversion | | |

Table 2. October 19, 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 866 – Installed, compiled, and tested Instrument PGE CER1.1P8 on <i>AMI-P-P6</i>, and released it to the ASDC on September 22. (Ayers) • SCCR 865 – Installed, compiled, and testing Instrument PGEs CER1.1P1, 3, 5, and 7 on <i>AMI-P-x86</i>. (Ayers) • SCCR 869 – Installed and tested Perl_Lib on <i>AMI-P</i>, and released it to the ASDC on October 3. (Ayers) • SCCR 871 – Installed, compiled, and tested Inversion PGE 4.5-6.5P5 on <i>magneto</i>, and released it to the ASDC on October 7. (Ayers) • SCCR 870 - Installed, compiled, and tested Inversion PGE 4.5-6.5P4 on <i>magneto</i>. This delivery will be released when requested by the DMT Lead. (Ayers) • Provided the ASDC several updated ERBE-like files in response to software problem reports associated with SCCR 740. (Ayers) • Provided the ASDC the updated ERBE-like Subsystem 2.0 Operator’s Manual in response to documentation problem reports. (Saunders) • Provided the ASDC the updated Instrument Operator’s Manual. (Saunders) |
| AMI Job Submission Scripts – Phase 1 | Ayers (Grepitotis) | <ul style="list-style-type: none"> • Development continues on the scripts for the Inversion delivery along with the TSI and ISCCP-D2like-Merge redeliveries. (Grepitotis, Hillyer) |

Table 3. CERES Subsystem Delivery Schedule – October 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) |
|---------------------------|---------------------------------|--------------------------|-------------------------|---|--------------------------|------------|-----------------------------|
| Instrument (SCCR 865) | August 5 | August 19 In CM Queue | August 26 | Update the CER1.1P1, 3, 5, & 7 to properly report QA flags on the IES. | | | AMI-P6 & AMI-x86 |
| CERESlib (SCCR 859) | September 2 | September 16 | September 23 | Adding routines to handle new CERES exit codes and apply fix for missing host name and OS type in metadata. | | | AMI-P6 & AMI-x86 |
| Perl_Lib (SCCR 846) | September 9 | September 23 | September 30 | Adding Toolkit::PCF and Log::PCF for creating PCFs. Adding Log::Client to handle PGEs communicating with logging server. | | | AMI-P6 & AMI-x86 |
| Inversion (SCCR 814) | September 9 | September 23 | September 30 | Terra and Aqua Beta1-Edition4 . PGEs CER4.5-6.1P4, CER4.5-6.1P5, CER4.5-6.2P3 and CER4.5-6.4P2. | X | | AMI-P6 |
| TISA Gridding (SCCR 763) | N/A | September 30 | October 7 | 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 | AMI-P6 |
| ERBE-like (SCCR 867) | January 6 | January 20 | January 27 | Porting all ERBE-like PGEs to x86 platform and standardizing exit codes. | | | AMI-x86 |
| Instantaneous SARB | | Spring | | Beta1-Edition4 CRS. | | | AMI-P6 & AMI-x86 |
| GGEO | | Summer | | Beta1-Edition4 GGEO delivery. | | | AMI-P6 |

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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-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 – September 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 September 19 at 5:00 p.m. – October 18 at 11:00 p.m.

| SCCR | S | U | A | C | D | SS | Page No. | Comments |
|-------------|----------|----------|----------|----------|----------|------------------|-----------------|-----------------|
| 763 | | | X | | | TISA Gridding | | |
| 770 | | | | X | | Instrument | | |
| 863 | | | | X | | Instrument | | |
| 866 | | | X | X | | Instrument | | |
| 867 | | | X | | | ERBE-like | | |
| 868 | X | | | | | ERBE-like | 14 | |
| 869 | X | | X | | | Perl_Lib | 15 | |
| 870 | X | | X | | | Inversion | 16 | |
| 871 | X | | X | X | | Inversion | 17 | |

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

CERES Software Configuration Change Request Submittal

*** All changes described in this SCCR were made in CERESlib. ***

Subsystem: ERBElIke SCCR Date & TIME: 2011-09-27 14:29:58 SCCR No.: 868

Parameter Change: () YES (X) NO

Description of Change (Science):
(Req 2-22) Create prelaunch FM5 unfiltering coefficients.

Reason for Change (Science):
The Instrument Team provided prelaunch spectral response functions (8/11/11). The unfiltering coefficient files created with these SRFs, using CER2.4P1, will replace the proxy files we used in testing.

Description of Change (non-Science):
NA

Reason for Change (non-Science):
NA

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:
CER2.2P1, CER2.3P1. CER2.3P2, CER3.1P1 and CER3.2P1

Estimated Time to Complete Change: Done
Planned Delivery Date: 9/27/11
List Affected Subsystems and PGE Names: None

Originator: WALIKAINEN, DALE R. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Perl_Lib SCCR Date & TIME: 2011-10-03 13:10:21 SCCR No.: 869

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

Adding code to the SGE_Utils module to differentiate Sun Grid Engine from Univa Grid Engine in order to properly select the requested queue's CPU architecture (ppc64 or amd64).

Reason for Change (non-Science):

Migration to Univa Grid Engine from Sun Grid Engine on AMI.

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: 10/3/2011

List Affected Subsystems and PGE Names: All AMI PGEs

Originator: HILLYER, THOMAS N. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: Inversion SCCR Date & TIME: 2011-10-06 12:37:24 SCCR No.: 870

Parameter Change: () YES (X) NO

Description of Change (Science):

None

Reason for Change (Science):

None

Description of Change (non-Science):

Fix bug where the Terra code is expecting an imager channel of 645 but there is not 645 imager channel in the data. (Req. # 4.5-40)

Reason for Change (non-Science):

This causes a memory fault and Exit Code: 139.

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:

CER4.5-6.5P4

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 10/6/2011

List Affected Subsystems and PGE Names: Inversion CER4.5-6.5P4

Originator: SOTHCOTT, VICTOR E. (SSAI)

CERES Software Configuration Change Request Submittal

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Subsystem: Inversion SCCR Date & TIME: 2011-10-06 12:39:06 SCCR No.: 871

Parameter Change: () YES (X) NO

Description of Change (Science):
None

Reason for Change (Science):
None

Description of Change (non-Science):
Fix bug where the Aqua code is expecting an imager channel of 645 but there is not 645 imager channel in the data. (Req. # 4.5-41)

Reason for Change (non-Science):
This causes a memory fault and Exit Code: 139.

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:
CER4.5-6.5P5

Estimated Time to Complete Change: 1 day
Planned Delivery Date: 10/6/2011
List Affected Subsystems and PGE Names: Inversion CER4.5-6.5P5

Originator: SOTHCOTT, VICTOR E. (SSAI)

Table 6. October 19, 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"> SCCR 859 – Added pre-launch FM5 unfiltering coefficients. (Hillyer) | |
| Perl_Lib | Hillyer (Grepitotis) | <ul style="list-style-type: none"> SCCR 846 – Testing and debugging functionality in the AJSS_PGE module. Continuing to add and test PGE controller chaining helper routines. Added new PCF generator module that supports wildcards, multiple DPOs per file, and multiple possible files per logical ID/sequence. (Hillyer) | |
| CERES Proc. System | Hillyer (Grepitotis) | <ul style="list-style-type: none"> Started project poster for AGU. (Hillyer) | |
| 1.0 | Cooper (Grepitotis) | <ul style="list-style-type: none"> SCCR 865 – In CERES CM testing. (Cooper) SCCR 866 – Promoted, waiting for ValR runs to be completed. (Grepitotis, Timcoe) Working on PGE CER1.1P8 to find all the memory leaks discovered when running this PGE on the x86 platforms during the latest stress test. (Grepitotis, Timcoe) Working to update the Instrument Web pages to move them from the existing shared data area supported by <i>spg10</i> to the new Web area. After NPP launch, the Web pages will be updated to match the new CERES standards. (Snyder) Working to port the remaining validation code from <i>spg10</i> to <i>AMI</i>. Currently working on the Solar Angle code, converting the scripts to Perl and adding NPP as an option. The current code is still in Ada and will not be changed to C++ until the existing code is running on <i>AMI</i> correctly. (Cooper) | |
| 2.0 | Walikainen (Lande) | <ul style="list-style-type: none"> Edited existing instrument ValR23/24 PRs and added new ERBE-like PR (182-11) to process latest NPP GOE test data through 1.0P2, 1.1P8, 1.2P1, and 2.2P1. (Lande) SCCR-867 - Went over Denise's final Exit Codes and how to incorporate them into ERBE-like. (Lande, Walikainen) | |

Table 6. October 19, 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 - Upgraded and delivered File Utils modules and Launch scripts for all PGEs to address issues identified by Nelson (i.e., Robust Testing). Also delivered Nelson's output_cleaner script. (Lande, Walikainen) • SCCR-740 - Upgraded and delivered 2.1P1 and 2.4P1 scripts to address Problem Reps #180/181. Also updated Operators Manuals to address this (SW2/DATA2 defs) and all QC report destination issues. (Walikainen) • SCCR-740 - Validated ValR25a ES8Ns and QC reports as scientifically equivalent to those of ValR25m. (Walikainen) • Worked with Beth Flug and Sue Sorlie on defining which QC reports (old and new) will be, when, and where on <i>wbs128</i>. Also identified Web applications no longer needed and file copying/Web display backup plans. (Lande, 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"> • Announcement: The front cover of TGRS (<i>IEEE Trans. Geosci. Remote Sens</i>) November issue will use one of our figures (Figure 8) from Clouds Ed2 retrieval paper which will be published with the journal. • Figure 8 (used as the front cover) is attached, IBM DX on display. • The Ed2 retrieval paper will be published in TGRS Nov issue: Minnis, P., S. Sun-Mack, D. F. Young, P. W. Heck, D. P. Garber, Y. Chen, D. A. Spangenberg, R. F. Arduini, Q. Z. Trepte, W. L. Smith, Jr., J. K. Ayers, S. C. Gibson, W. F. Miller, V. Chakrapani, Y. Takano, K.-N. Liou, Y. Xie, and P. Yang, 2011: CERES Edition-2 cloud property retrievals using TRMM VIRS and Terra and Aqua MODIS data, Part I: Algorithms <http://www-pm.larc.nasa.gov/ceres/pub/journals/Minnis.CERES.Part.Io.pdf> , <i>IEEE Trans. Geosci. Remote Sens.</i>, doi: 10.1109/TGRS.2011.2144601. | |

Table 6. October 19, 2011 - Subsystem Issues and Status

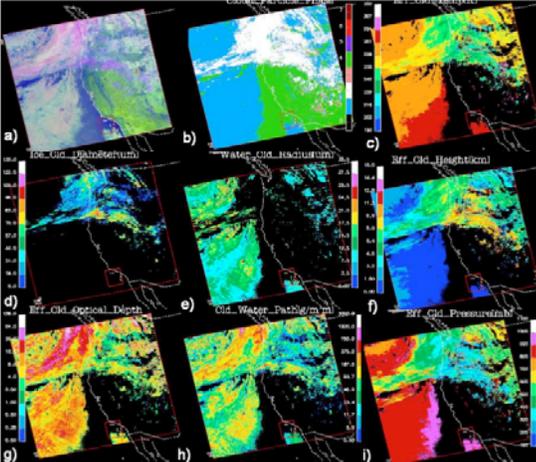
| SS No. | SS Lead | Status | Problems |
|-----------------|---------------------|---|----------|
| 4.1 (Cont'd) | Sun-Mack (Brown) |  <p data-bbox="532 802 1133 829">Fig. 8. Cloud properties derived by applying the VISST to daytime Terra MODIS data taken over western North America and the eastern Pacific, 21 UTC, 12 June 2004. (a) RGB image, (b) Phase, (c) T (K), (d) D (um), (e) τ (um), (f) Zc (um), (g) ice/liquid water path ($g\ m^{-2}$), (h) p (hPa).</p> <ul data-bbox="495 844 1218 1789" style="list-style-type: none"> • Continued getting users set up to utilize the new DX interface for CloudVis. Incorporated feedback into improvements toward making it a standalone product serving users with differing needs. Worked toward making the code transition smoothly between batch and gui/command line operations. (Gibson) • Began installation of DX color matching code which will allow the normally 96-bit RGB images to be represented as 8 bit color. Due to reduction in memory requirements, this type of color is expected to be a necessity for successful production of the Daily Cloudvis RGB product. (Gibson) • Continued writing GEWEX multi-team Web Tool Zonal data display option. (Smith) • Began process of modifying and moving GEWEX multi-team scripts and code to make them work with the Web tool. (Smith) • Creating program to move CloudVis pixel data into netcdf database. (Smith) • SCCR 809 - Continued to generate images associated with CERES Ed4 cloud mask to figure out the problems of overestimated clouds in Polar region. Images for Jan 15 of 2001 Terra MODIS from CloudVis are posted on the google map to study. (Chen) | |

Table 6. October 19, 2011 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|-----------------|---------------------|--|-----------------|
| 4.1 (Cont'd) | Sun-Mack (Brown) | <ul style="list-style-type: none"> • SCCR 809 - Continued to create plots of zonal cloud fraction comparison among CERES Ed2, CERES Ed4Del, CERES Ed4Beta, CERES Ed4Curr, MODIS-ST and ISCCP_D1 for Ed4 redelivery check. (Chen) • Ordered MOD08 2008 data to compare with the CERES Ed4 cloud retrievals. (Chen) • Tested the IBMdx DX with some new features. (Chen) • Checked the data flow for the VIIRS subsetter data VIMD. Data of four days (Julian days from 249 to 263 of 2010) with version P1_00765 were checked to see if there are any missing granules. (Chen) • Worked on code and scripts for Time Series. Processed Terra Edition2B-QC Time Series data and images. (R. Brown) • Reprocessed Terra Edition2B-QC QC plot files that were corrupt (200801-200803 and 200809-200901). (R. Brown) • SSF data for Terra and Aqua were processed through 201107 and images were posted on the Web. (R. Brown) • ClearSky data for Terra and Aqua were processed from 201002 through 201107. Results were posted on the Web. (R. Brown) • Working with Rita on the GEWEX application for AGU. With Ben's help we have begun to interface the front-end user interface with Rita's IDL and perl scripts. We are currently debugging a few issues with getting them to run properly, but we can at least "run" a script from the Web. (Heckert) • Worked on Pat Minnis's talk in the CERES STM. (Livermore, CA) (All) • Attended the CERES STM. (Sun-Mack) • SCCR 809 - Worked on all related issues and problems. This included looking into surface snow emissivities, 3.7 μm Terra calibrations, polar transition lines,...(Sun-Mack) | |

Table 6. October 19, 2011 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|-----------------|-----------------------|--|-----------------|
| 4.1 (Cont'd) | Sun-Mack (Brown) | <ul style="list-style-type: none"> Working on CREW with Rita. This includes processing 5 golden days, selected CREW required parameters, determined the attributes for each min/max/unit/longname,...., convert pixel level data to netCDF with selected parameters. (Smith, Sun-Mack) SCCR 809 - Started looking into the CERES polar mask issue. (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"> Investigated ERBE and AVHRR NB-BB radiance relationship. Including creating scatter plots. Correlations are not as good as CERES-MODIS. (Miller) Generated daily QC files for Terra Edition3 data as processed. (Miller) Continued updates to the Edition2/3 SSF Collection Guide. (Miller) Investigating color bars to use in CERES radiance and flux plots using SSF data. (Antropov) Produced Tecplot data files and JPG images for Aqua and Terra Edition3 SSF radiances and TOA fluxes. (Antropov) (Edition3) | |
| 4.5 | Sothcott | <ul style="list-style-type: none"> SCCR 870 - Debugged Exit Code 139 issue with Terra Production runs. Resolved the problem, tested and delivered the fix to CM. (Sothcott) SCCR 871 - Debugged Exit Code 139 issue with Aqua Production runs. Resolved the problem, tested and delivered the fix to CM. (Sothcott) Continued work with the Edition4 code to install and test a SW Model B algorithm that uses MODIS Aerosols. (Sothcott) SCCR 814 - Satisfactorily tested all scripts for Terra PGE CER4.5-6.1P4. Awaiting the scripts for Aqua PGE CER4.5-6.1P5. (Sothcott, Hillyer) | |
| 4.6 | Sothcott | <ul style="list-style-type: none"> Combined with above. | |
| 5.0 | Caldwell (Coleman) | <ul style="list-style-type: none"> No new updates. (Caldwell) | |

Table 6. October 19, 2011 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|---------------|-----------------------|---|-----------------|
| 7.2 | Caldwell (Coleman) | <ul style="list-style-type: none"> Continuing to run 2005-2010 data for SYNI Edition3 "Lite" tests. (Caldwell) | |
| 12.0 | Caldwell (Coleman) | <ul style="list-style-type: none"> Problems encountered with the ASDC subsetting of G572 data. Waiting for the ASDC to sort it out before beginning final tests of FLASH Edition4 MOA. (Caldwell) | |
| 7.1 | Nguyen (Lock) | <ul style="list-style-type: none"> Ran 200207 Terra Aqua Merged TSI to create inputs for SYNI and SYN for Fred Rose to compare with Edition2 data. (Nguyen) Testing TSI code with satellite options. (Nguyen) Preparing to deliver TSI code on <i>AMI-P</i>. (Nguyen) Rerunning Terra, Aqua, merged Terra and Aqua TSI with 3-hour GGEO and 1-hour GGEO for Dave to compare with GERB data. (Nguyen) | |
| 8.0 | Nguyen (Lock) | <ul style="list-style-type: none"> Ran SYN1deg using the latest TSI and SYNI data for 2008 Jan through Dec. Created a single netCDF file containing the cloud properties which was posted on the subsetter for review. (Lock) | |
| 10.0 | Nguyen (Lock) | <ul style="list-style-type: none"> Worked with Norman Loeb to investigate to cause of the drop in EBAF clear-sky LW global average starting January 2008. (Nguyen) Updating code to put all the footprints in the correct day. (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 – Work continued to validate science updates to PGE 9.0P3. Finding some high cloud temperature values and NaNs and sent the reasons for these values to Science members. Continue to check PCF script updates received from Thomas. (Raju) As per science requests, processed July 2002 Terra at SCF for SYNI process. (Raju) The Flux-by-CldTyp code has been rewritten to merge split records within 2 seconds of each other into 1 record. Statistics are being reviewed for the merged results. (Betty Lock) | |

Table 6. October 19, 2011 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|-----------------|------------------|--|-----------------|
| 9.0 (Cont'd) | Raju (Nguyen) | <ul style="list-style-type: none">• Provided Validation results for the Flux-by-CldTyp nc file as requested by Moguo Sun and Dave Doelling. (Betty Lock) | |
| 11.0 | Raju (Nguyen) | <ul style="list-style-type: none">• Checking Ron Parrish updates to PGE CER11.1P10 software and making some modifications to work correctly. (Raju)• Continued to process 2011 months MET7, MET9, G-11/13 images through the IDL program to identify bad images. (Hazari, Raju) | |

Table 7. October 19, 2011 – DM Tasks

| Activity | Status |
|---|---|
| Production Processing Database/Automation (Coleman) | <ul style="list-style-type: none"> • Preparing for Status Review meeting on Thursday, 10/20. (Coleman, Heckert, Grune, Key) • Prepared list of PGE-unique run-time parameters and sent them to subsystem leads for review to ensure that the PR generation process asks for the right things and provides the right options. (Coleman) • Incorporating PGE-unique run-time parameters into database and PR generation and review Web displays. (Grune, Heckert) • Continuing development of the CERES PR Tool. (Heckert) |
| Ordering Tool (Kizer) | <ul style="list-style-type: none"> • Completed the first draft of the user interface for the new and improved CERES Google Map application. Will make changes as needed while the back-end portion is being developed. (Heckert) • Promoted the CERES Ordering Tool with the ability to subset and order SSF Level2 Edition3 data. (Chu, Mitrescu) • Worked with the ASDC Management to coordinate a time to update new SciFlo software. (Kizer) • Worked with the ASDC Management and SA staff to schedule a time for migrating the CERES Ordering Tool servers behind the firewall. (Kizer, Chu) • Generated ES8, AVG, and ISCCP-D2like data selection pages for testing purposes. (Mitrescu) • Modified the CERES Data Availability software to EBAF availability via the CERES Ordering Tool separate from what is available via ASDC. (Heckert) • Generated and promoted New NPP Web landing pages. (Kizer) |

Table 8. October 19, 2011 – NPP Issues

| Activity | Status |
|----------|--|
| FM5 | <ul style="list-style-type: none">• Supported the NPP GOE test. At least one of the expected RDRs was not created and sent to CERES due to problems with IDPS. (Cooper, Hillyer, Spivak)• Developed IDL code to read BDS and compare detector counts between two files based on absolute packet number. 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 | Y | 16 | Y | 16 | Y | C++ RDR Pre-Processor |
| | CER1.1P1 | Y | N | N/A | SSI&T | N/A | Devel | 16 | Y | To be disabled when C++ working- CER1.1P8 |
| | CER1.1P3 | Y | N | N/A | SSI&T | N/A | Devel | 16 | Y | To be disabled when C++ working- CER1.1P8 |
| | CER1.1P5 | Y | N | N/A | SSI&T | N/A | Devel | 16 | Y | To be disabled when C++ working- CER1.1P8 |
| | CER1.1P7 | SSI&T | N | N/A | SSI&T | N/A | Devel | 16 | Y | Ada NPP |
| | CER1.1P8 | N | N | N/A | SSI&T | 16 | Devel | N/A | Y | C++ NPP, Terra, Aqua |
| | CER1.2P1 | Y | N | N/A | Y | 16 | Y | 16 | Y | C code, NPP capable. |
| | CER1.3P1 | Y | N | N/A | N | N/A | Y | 16 | Y | Replace with CER1.4P1 on P6 |
| | CER1.3P2 | Y | N | N/A | N | N/A | Devel | 16 | Devel | Replace with CER1.4P2 on P6 |
| | CER1.3P3 | Y | N | N/A | N | N/A | Y | 16 | Y | Replace with CER1.4P3 on P6 |
| | CER1.4P1 | N | N | N/A | Y | 16 | Y | 16 | Y | |
| | CER1.4P2 | N | N | N/A | Devel | 16 | Devel | 16 | Devel | |
| CER1.4P3 | N | N | N/A | Devel | 16 | Devel | 16 | N | | |
| ERBE-like - 2 | CER2.1P1 | N | Y | 16 | SSI&T | 16 | Devel | 16 | SSI&T | |
| | CER2.2P1 | N | Y | 15 | SSI&T | 16 | Devel | 16 | SSI&T | Compile HDF with TK 15, run with TK 16 |
| | CER2.3P1 | N | Y | 16 | SSI&T | 16 | Devel | 16 | SSI&T | |
| | CER2.3P2 | N | Y | 16 | SSI&T | 16 | Devel | 16 | SSI&T | |
| ERBE-like - 3 | CER2.4P1 | N | Y | 16 | SSI&T | 16 | Devel | 16 | SSI&T | |
| | CER3.1P1 | N | Y | 16 | SSI&T | 16 | Devel | 16 | SSI&T | |
| | CER3.2P1 | N | Y | 16 | SSI&T | 16 | Devel | 16 | SSI&T | |

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| | | 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 | N | Y | 16 | N | N/A | N | N/A | n/a | warlock version recompiled for 2008 Edition2, Possibly use P4 for 3/10 forward |
| | CER4.1-4.1P5 | N | Y | 16 | N | N/A | N | N/A | n/a | warlock version recompiled for 2008 Edition2, Use P4 for 3/10 forward |
| | CER4.1-4.1P6 | N | N | N/A | Devel | 16 | N | N/A | SSI&T | Beta2-Ed3 (P4), Ed4 (P6), Migration to X86 not in near future |
| | CER4.1-4.2P2 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 |
| | CER4.1-4.2P3 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 |
| | CER4.1-4.2P4 | N | N | N/A | Devel | 16 | N | N/A | SSI&T | Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future |
| | CER4.1-4.2P5 | N | N | N/A | Devel | 16 | N | N/A | SSI&T | Beta2-Ed3 on P4, Ed4 to be on P6, Migration to X86 not in near future |
| | CER4.1-4.3P2 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 |
| CER4.1-4.3P3 | N | N | N/A | Devel | 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 | N | Y | 16 | N | N/A | N | N/A | n/a | Ed2 Terra Main |
| | CER4.5-6.1P3 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 Aqua Main |
| | CER4.5-6.1P4 | N | N | N/A | Devel | 16 | N | N/A | Devel | Terra Main Ed4 version of 1P2 |
| | CER4.5-6.1P5 | N | N | N/A | Devel | 16 | N | N/A | Devel | Aqua Main Ed4 version of 1P3 |
| | CER4.5-6.2P2 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2/Ed3 subsetter |
| | CER4.5-6.2P3 | N | N | N/A | Devel | 16 | N | N/A | Devel | Subset postproc for Terra and Aqua (Ed4 version of 2P2) |
| | CER4.5-6.2P4 | N | Y | 16 | N | N/A | N | N/A | n/a | Ed3 daily post-processor |
| | CER4.5-6.4P1 | N | Y | 15 | N | N/A | N | N/A | n/a | Edition2 to <i>magneto</i> |
| | CER4.5-6.4P2 | N | N | N/A | Devel | 16 | N | N/A | Devel | Monthly validation site (Ed4 for 4P1) |
| | CER4.5-6.5P2 | N | N | N/A | N | N/A | N | N/A | n/a | IES-SSF Terra New PGE, Ed4 format |
| CER4.5-6.5P3 | N | N | N/A | N | N/A | N | N/A | n/a | IES-SSF Aqua New PGE, Ed4 format | |
| CER4.5-6.5P4 | N | Y | 16 | N | N/A | N | N/A | n/a | IES-SSF Terra New PGE, Ed2 format | |
| CER4.5-6.5P5 | N | Y | 16 | N | N/A | N | N/A | n/a | IES-SSF Aqua New PGE, Ed2 format | |

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| | | 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 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 only |
| | CER5.0P2 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 only for now, Ed3 version requires delta delivery |
| | CER5.1P1 | N | Y | 16 | N | N/A | N | N/A | n/a | Ed2 only |
| | CER5.1P2 | N | ValRx | 16 | N | N/A | N | N/A | n/a | Ed2 only |
| | CER5.1P3 | N | N | N/A | Devel | 16 | Devel | 16 | N | New PGE - Edition4 Main for Terra and Aqua |
| | CER5.4P1 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 only |
| TISA Grid - 6 | CER6.1P1 | N | Y | 15 | N | N/A | Devel | 16 | n/a | |
| | CER6.1P2 | N | N | N/A | N | N/A | N | N/A | n/a | New PGE for Edition4 |
| | CER6.2P1 | N | 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 | N | 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 | Y | 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 | Y | 16 | N | N/A | Y | Migrate to AMI for Ed3 |
| TISA Grid - 9 | CER9.0P1 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 only |
| | CER9.0P2 | N | N | N/A | SSI&T | 16 | N | N/A | SSI&T | ISCCP-D2like-MRG Pre-processor |
| | CER9.0P3 | N | N | N/A | SSI&T | 16 | N | N/A | SSI&T | ISCCP-D2like-MRG Main-processor |
| | CER9.1P1 | N | Y | 15 | Devel | 16 | Devel | 16 | N | |
| | CER9.2P1 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 only |
| | CER9.2P2 | N | Y | 16 | N | N/A | N | N/A | n/a | New PGE for Edition3 |
| | CER9.3P1 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 only |
| | CER9.3P2 | N | Y | 16 | N | N/A | N | N/A | n/a | New PGE for Edition3 |
| | CER9.4P1 | N | Y | 15 | N | N/A | N | N/A | n/a | Ed2 only |
| TISA Avg - 10 | CER9.4P2 | N | Y | 16 | N | N/A | N | N/A | n/a | New PGE for Edition3 |
| | 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 | Y | 16 | Devel | 16 | N | N/A | Devel | New PGE for Edition3 |

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| | | 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 | N | Y | 16 | Y | 16 | Y | 16 | Y | |
| | CER12.1P2 | N | N | N/A | Y | 16 | Y | 16 | Y | |

| 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 |
| 1/4/2011 | 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" |
| 6/20/2011 | CER1.0P2 | Changed P6, X86 and New Wrapper Status from "Devel" to "SSI&T" |
| | CER4.5-6.3P2,3, CER4.5-6.6P2,3 | Disabled |
| 7/5/2011 | CER8.1P1 | Changed P6 and New Wrapper Status from "SSI&T" to "Y" |
| | CER7.3P1, CER10.0P3 | Changed P4 status from "SSI&T" to "Y" |
| 7/18/2011 | CER1.0P2, 1.2P1, 1.4P1, CER12.1P1,2 | Changed P6, X86, and New Wrapper Status from "SSI&T" to "Y" |
| | CER1.1P8 | Changed P6 and New Wrapper Status from "SSI&T" to "Y" |
| | CER1.1P1,3,5,7, 1.3P1,3 | Changed X86 and New Wrapper Status from "SSI&T" to "Y" |
| | CER1.3P2 | Changed X86 and New Wrapper Status from "SSI&T" to "Devel" |
| 8/1/2011 | CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 | Changed P6 and New Wrapper Status from "Devel" to "SSI&T", Changed X86 status from "Devel" to "N" |
| | CER3.1P1, 3.2P1 | |
| | CER4.1-4.1P6, 2P4, 2P5, 3P3 | |
| | CER4.5-6.1P4, 1P5, 2P3, 4P2 | |
| | CER4.5-6.1P4,5, 2P3, 4P2 | Changed X86 status from "Devel" to "N" |

| Revisions: | | |
|------------|---|---|
| 9/6/2011 | CER4.1-4.1P6, 2P4, 2P5, 3P3 CER4.5-6.1P4, 1P5, 2P3, 4P2 | Changed P4 status from "Y" to "N" |
| | CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 CER3.1P1, 3.2P1 CER4.1-4.1P4, 1P5, 2P2, 4P1 CER4.5-6.1P2, 1P3, 2P2, 4P1 CER5.0P1, 1P1, 4P1 CER6.1P1, 2P1, 3P1 CER9.1P1, 2P1, 3P1, 4P1 CER12.1P1 | Changed SGI Status from "Y" to "N" |
| | CER4.5-6.1P2, 5P5 | Changed P4 status from "SSI&T" to "Y" |
| | CER7.2.1P1 | Changed X86 and New Wrapper Status from "Y" to "SSI&T" |
| | CER12.1P2 | Changed P4 status from "SSI&T" to "N" |
| 9/19/11/ | CER1.1P1,3,5,7 | Changed X86 Status from "Y" to "Devel" , Changed P6 status from "N" to "SSI&T" |
| | CER1.1P8 | Changed P6 and New Wrapper Status from "Y" to "SSI&T", Changed X86 status from "N" to "Devel" |
| | CER2.1P1, 2.2P1, 2.3P1, 2.3P1, 2.3P2 CER3.1P1, 3.2P1 | Changed X86 Status from "N" to "Devel" |
| 10/3/2011 | CER1.1P1,3,5,7 | Changed P6 status from "Devel" to "SSI&T" |
| | CER4.1-4.1P6, 2P4, 2P5, 3P3 | Changed P6 status from "SSI&T" to "Devel" |
| 10/19/2011 | None | |