

January 13, 2010 - System Issues and Status

**Table 1: Process Strategy/Coleman as of 01/11/10
Active Requests in order of priority**

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|---|-------------------------------|---------------------|--|---|------------------|--|
| M-PR 3-02 | | NSIDC-NESDIS | EICE ESNOW (SS4.1) | 4.1-4.0P1 | Standing request | |
| M-PR 1-09 | | NSIDC-NESDIS | EICE ESNOW 16 th mesh | 4.1-4.0P2 | Standing Request | |
| M-PR 3-09 | CERES | DAO-G5-CERES | MOA | 12.1P1 | Standing request | Cancel. 1/11/10 |
| M-PR 2-09 | CERES | DAO-G5-CERES | PMOA | 9.1P1 | Standing request | Cancel. 1/11/10 |
| Standing requests AM- PR 1-05 to 7-05 | Terra | Edition1-CV | BDS/ ERBELike (SS1-3) | 1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1 | Standing request | These PRs replace standing requests AM- PR 1-00 to 7-00. |
| Standing requests PM-PRs 15-05 to 18-05 | FM3 | Edition1-CV | BDS/ ERBELike (SS1-3) | 1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1 | Standing request | These PRs replace standing requests PM-PRs 1-05 to 4-05. |
| Standing requests PM-PRs 11-05 to 14-05 | FM4 | Ed1-CV- NoSW | BDS/ ERBELike (SS1-3) | 1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1 | Standing request | These PRs replace standing requests PM-PRs 7-05 to 10-05. |
| PR 2-10 SCCR 753 | CERES | DAO-G5-CERES | MOA | 12.1P1 | 1/08 – 12/09 | In Progress |
| PR 1-10 SCCR 753 | CERES | DAO-G5-CERES | PMOA | 9.1P1 | 1/08 – 12/09 | Ready |
| PR 44-09 SCCR 741 | FM1, FM2, MODIS V005 | Edition2B- QC | SSFI | 4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2 | 1/1/08 – 1/1/09 | Ready |

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|---|-------------------------------|--|---------------------------|--|---|-----------------------|
| PR 43-09 SCCR 690 | FM1, FM2 | Edition2G | SSF | 4.5-6.1P2 4.5-6.2P2 4.5-6.4P1 | 1/1/08 – 1/1/09 | Ready |
| PR 42-09 SCCR 685 | FM1, FM2 | Edition2G | SFC | 9.2P1 9.3P1 9.4P1 | 1/1/08 – 1/1/09 hr 11 | Pending SSF input |
| PRs 104-09 thru 111-09 Clouds 2008 on <i>warlock</i> SCCR 742 | FM1, FM2 | ValR14w4 (GEOS4), ValR14w5 (G5-CERES) | SSF | Clouds and Inversion | 12/07 | In Progress |
| PR 85-09 SCCR 719 | FM1, FM2 | Beta2-Ed3 | SSFI | 4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3 | 1/04, 4/04, 7/04, 10/04, 1/06, 7/06 | In progress |
| PR 83-09 SCCR 704 | FM1, FM2 | Beta2-Ed3 | SSF | 4.5-6.1P4 4.5-6.2P3 4.5-6.4P2 | 1/04, 4/04, 7/04, 10/04, 1/06, 7/06 | In progress |
| PR 84-09 SCCR 719 | FM3, FM4 | Beta2-Ed3 | SSFI | 4.1-4.1P6 4.1-4.2P4 4.1-4.2P5 4.1-4.3P3 | 1/04, 4/04, 7/04, 10/04, 1/06, 7/06 | Ready |
| PR 82-09 SCCR 704 | FM3, FM4 | Beta2-Ed3 | SSF | 4.5-6.1P5 4.5-6.2P3 4.5-6.4P2 | 1/04, 4/04, 7/04, 10/04, 1/06, 7/06 | Ready |
| PRs 112-09 thru 118-09 | FM1, FM2, FM3, FM4 | ValR15 (for Ed2) | BDS, IES, ERBE-like | Instrument and ERBE- like | 1/09, 6/09, 9/09 | Ready |
| PRs 129-09 thru 135-09 | FM1, FM2 | ValR16 (for Ed3) | BDS, IES, ERBE-like | Instrument and ERBE- like | 12/04, 5/05, 6/06, 10/07, 5/08, 3/09 | Ready |
| PRs 96-09 SCCR 726 | | ValR14 | ERBE-like snow | 2.1P1 | 9/09 – 11/09 | Ready |
| PR 95-09 SCCR 727 | FM3, FM4 | ValR14 | SRF | 2.4P1 | 9/07 – 11/07 | Ready |
| PR 49-09 | FM3, FM4, MODIS V005 | Edition2C | SSFI | 4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.1-4.3P2 | 1/1/08 – 1/1/09 | HOLD |
| PR 48-09 SCCR 690 | FM3, FM4 | Edition2D/ Ed2D-NoSW | SSF | 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1 | 1/1/08 – 1/1/09 | HOLD |
| PR 47-09 SCCR 685 | FM3, FM4 | Edition2D/ Ed2D-NoSW | SFC | 9.2P1 9.3P1 9.4P1 | 1/1/08 – 1/1/09 hr 11 | Pending input |

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|--------------------------------|----------------------|----------------------------|---------------------------|-------------------------|--|--|
| PRs 119-09 thru 126-09 | FM1, FM2, FM3, FM4 | Edition2/Ed2-NoSW | BDS, IES, ERBE-like | Instrument and ERBE | 1/09 – 8/09 | Pending ValRx approval |
| PRs 127-09, 128-09 | FM1, FM2 | Edition3 | BDS, IES | Instrument and ERBE | 12/04 – 3/09 | Pending ValRx approval |
| PR 41-09 SCCR 692 | FM1 V005 MOD08 | Edition2G | CRS | 5.0P1 5.1P1 5.4P1 | 1/1/08 – 12/31/08 | Pending SSF input |
| PR 40-09 SCCR 685 | FM1 | Edition2G | FSW | 6.1P1 6.2P1 6.3P1 | 1/1/08 – 12/31/08 | Pending CRS input |
| PR 46-09 | FM3 V005 MYD08 | Edition2D | CRS | 5.0P1 5.1P1 5.4P1 | 1/1/08 – 12/31/08 | Pending SSF input and subsequent ValRx processing and approval |
| PR 45-09 SCCR 685 | FM3 | Edition2D | FSW | 6.1P1 6.2P1 6.3P1 | 1/1/08 – 12/31/08 | Pending input |
| PR 78-09 SCCR 718 | FM1, FM2 | Edition2B | SAH | 5.0P2 | 11/05 – 6/06 | Pending ValR1 approval |
| PR 77-09 SCCR 718 | FM1 | Edition2F | SAH | 5.0P2 | 7/06 – 12/07 | Pending ValR1 approval |
| PR 75-09 SCCR 718 | FM3 | Edition2B | SAH | 5.0P2 | 11/05 – 6/06 | Pending ValR1 approval |
| PR 74-09 SCCR 718 | FM3 | Edition2C | SAH | 5.0P2 | 7/06 - 12/07 | Pending ValR1 approval |
| PR 76-09 SCCR 718 | FM1 | Edition2G | SAH | 5.0P2 | 1/08 – 12/08 | Pending ValR1 approval and input data |
| PR 73-09 SCCR 718 | FM3 | Edition2D | SAH | 5.0P2 | 1/08 – 12/08 | Pending ValR1 approval and input data |
| PR 63-09 SCCR 653 | | Beta10 | GGEO | 11.10P1 | 1/1/06 7/1/06 1/1/07 7/07 10/07 12/08 | Delivered |
| PR 62-09 SCCR 653 | | Beta10 | GGEO | 11.2P2 | 1/1/06 7/1/06 1/1/07 7/07 10/07 12/08 | Delivered |

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|-----------------------------------|-----------------------------|----------------------------|------------------------------|-------------|--|--|
| PR 61-09 SCCR 653 | | Beta10 | GGEO | 11.4P1 | 1/1/06 7/1/06 1/1/07 7/07 10/07 12/08 | Delivered |
| PR 60-09 SCCR 653 | | Edition2A | GGEO | 11.1P10 | 11/05 – 6/09 | Pending Beta10 processing and approval |
| PR 59-09 SCCR 653 | | Edition2A | GGEO | 11.2P2 | 11/05 – 6/09 | Pending Beta10 processing and approval |
| PR 58-09 SCCR 653 | | Edition2A | GGEO | 11.6P1 | 11/05 – 6/09 | Pending Beta10 processing and approval |
| PR 94-09 SCCR 734 | FM3, FM4 | ValR14 | ES8 | 2.2P1 | 9/07 – 11/07 | Pending Delivery |
| PR 93-09 SCCR 734 | FM3, FM4 | ValR14 | ES8 | 2.3P1 | 9/07 – 11/07 | Pending Delivery |
| PR 92-09 SCCR 734 | FM3, FM4 | ValR14 | ES8 | 2.3P2 | 9/07 – 11/07 | Pending delivery |
| PR 91-09 SCCR 735 | FM3, FM4 | ValR14 | ES4, ES9 | 3.1P1 | 10/07 | Delivered |
| PR 90-09 SCCR 727 | FM1, FM2 | ValR14 | SRF | 2.4P1 | 9/07 – 11/07 | Delivered |
| PR 89-09 SCCR 734 | FM1, FM2 | ValR14 | ES8 | 2.2P1 | 9/07 – 11/07 | Pending Delivery |
| PR 88-09 SCCR 734 | FM1, FM2 | ValR14 | ES8 | 2.3P1 | 9/07 – 11/07 | Pending Delivery |
| PR 87-09 SCCR 734 | FM1, FM2 | ValR14 | ES8 | 2.3P2 | 9/07 – 11/07 | Pending delivery |
| PR 86-09 SCCR 735 | FM1, FM2 | ValR14 | ES4, ES9 | 3.1P1 | 10/07 | Delivered |
| PR 86a-09 SCCR 735 | FM1+ FM3 | ValR14 | ES4, ES9 | 3.2P1 | 10/07 | Delivered |
| PRs 138-09, 139-09 SCCR 746 | FM1, FM2, FM3, FM4 | ValR1 | ISCCP- D2like- Day/Nit | 9.0P1 | 7/02 – 4/03 Seasonal Months only | Delivered |
| PRs 136-09, 137-09 SCCR 746 | FM1, FM2, FM3, FM4 | Edition2 | ISCCP- D2like- Day/Nit | 9.0P1 | launch thru 9/09 | Delivered |
| PR 141-09 SCCR 736 | | ValR1 | ISCCP- D2like- GEO | 11.7P1 | 7/02 – 4/03 Seasonal Months only | Delivered |

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|--------------------------------|------------------|----------------------------|---------------------------|-------------|--------------------------------|-----------------------|
| PR 140-09 SCCR 736 | | Edition2 | ISCCP- D2like- GEO | 11.7P1 | 3/2000 – 12/08 | Delivered |
| PR 99-09 | CERES | GMAO-G5- Beta2-Ed3 | MOA | 12.1P2 | 1/04 – 12/04, 1/06, 7/06 | Done. 12/9/09 |
| PR 98-09 SCCR 721 | FM1 | ValR1 | SYNI | 7.2.1P1 | 9/05 | Done. 11/26/09 |
| PR 97-09 SCCR 721 | FM3 | ValR1 | SYNI | 7.2.1P1 | 9/05 | Done. 11/26/09 |

Table 2. January 13, 2010 - System Issues and Status

| Activity | Lead | Status |
|------------------|---------------------|--|
| 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) • Inversion (SCCR 704) was installed, compiled, and tested on <i>magneto-P4</i>, and released to the ASDC on December 9. (Ayers) • ERBE-like (SCCR 727) was installed, compiled, and tested on <i>magneto-P4</i>, and released to the ASDC on December 15. (Ayers) • The Clouds (SCCR 752) delta delivery was installed on <i>magneto-P4</i> and released to the ASDC on December 15. (Ayers) • Regrid MOA (SCCR 753) was installed, compiled, and tested on <i>magneto-P4</i>, and released to the ASDC on December 17. (Ayers) • Inversion (SCCR 751) was compiled and tested on <i>warlock</i>, and released to the ASDC on December 18. (Ayers) • Test Plans for the following subsystems were updated, posted on the Web, and provided to the ASDC: Inversion, ERBE-like, and Regrid MOA. (Saunders) • Operator's Manuals for the following subsystems were updated, posted on the Web, and provided to the ASDC: GGEO, ERBE-like, TISA Gridding, and Regrid MOA. (Saunders) • The updated Edition2 gains for Terra FM1 and FM2 and Aqua FM3 and FM4 for January 1, 2009, through October 1, 2009, were installed on <i>warlock</i> and <i>AMI</i> and released to the ASDC on December 10. (Ayers) • The Toolkit Version per PGE table was updated for PGEs CER2.4P1, CER12.1P1, and CER12.1P2 and provided to the ASDC. (Ayers) • The Promoted Directories document was updated for PGEs CER2.4P1 and CER5.1P2 and provided to the ASDC. (Ayers) • The CERES Subsystem and Coefficients Delivery Schedules were updated and posted on the Web. (Ayers, Saunders) |

Table 3. CERES Subsystem Delivery Schedule – January 2010

| 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 716) | October 30 | November 20 In Testing | December 25 | Terra/Aqua delivery of all Ada PGEs except CER1.1P7 to X86 platform. | | | <i>AMI-X86</i> |
| Instrument (SCCR 717) | November 20 | December 4 In Testing | December 25 | Delivery of PGE CER1.1P7 to X86 platform for NPP. (Ada) | | | <i>AMI-X86</i> |
| GGEO (SCCR 736) | November 27 | December 11 In Testing | December 25 | Edition2 ISCCP-D2like-GEO (PGE CER11.7P1). [All ISCCP-D2like HDF products will have the same format.] | | | <i>magneto-P4</i> |
| TISA Gridding (SCCR 746) | December 4 | December 18 In Testing | December 25 | Edition2 ISCCP-D2like-Day/Nit (PGE CER9.0P1). [All ISCCP-D2like HDF products will have the same format.] | | | <i>magneto-P4</i> |
| Instrument (SCCR 731) | October 23 | November 6 In Testing | December 25 | Build that runs full Terra/Aqua Baseline1-QC and Edition1-CV. PGE 1.1P8 (C++). | | | <i>AMI-P6</i> |
| Regrid MOA (SCCR 749) | December 4 | December 18 In Testing | December 25 | Deliver MOA PGEs to AMI. | | | <i>AMI-P6 & AMI-X86</i> |
| ERBE-like (SCCR 735) | October 30 | November 20 Delivered but on hold until Jan. 15 for crosstrack updates | January 22 | Delivering the Subsystem 3 PGEs. | | | <i>magneto-P4</i> |

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| Subsystem | Preliminary Delivery Memo to CM | Delivery to CERES CM | Release to Langley DAAC | Reason for Delivery | CERESlib Delivery Needed | New PGE(s) | Certified Platform(s) |
|--------------------------|---------------------------------|----------------------|-------------------------|--|--------------------------|------------|-----------------------|
| GGEO | | ??? | | Beta1-Edition3 GGEO delivery. | | | <i>magneto-P4</i> |
| ERBE-like (SCCR 734) | January 1 | January 15 | January 22 | Delivering the remaining Subsystem 2 PGEs with updates for crosstrack. | | | <i>magneto-P4</i> |
| Inversion (SCCR 722) | January 1 | January 15 | January 22 | Incorporate Edition3 IESs into SSFs without having to rerun Clouds. | | X | <i>magneto-P4</i> |
| Instrument (SCCR 747) | January 1 | January 15 | January 22 | Pre-processor (PGE 1.0P2) updates. (C++) | | | <i>AMI-P6</i> |
| TISA Gridding (SCCR 739) | January 15 | January 29 | February 5 | SFC Terra and Aqua Beta2-Edition3. PGEs CER9.2P2, CER9.3P2, & CER9.4P2. | X | X | <i>AMI-P6</i> |
| TISA Averaging | January 29 | February 12 | February 19 | SRBAVG-nonGEO Beta2-Edition3. New PGE for the subsetter code. | | X | <i>AMI-P6</i> |
| TISA Gridding | | February 2010 | | Edition2 ISCCP-D2like-Flux. | | | <i>magneto-P4</i> |
| TISA Gridding | | February 2010 | | Beta2-Edition3 ISCCP-D2like-Day/Nit. (PGE 9.0P1) (This delivery might not be needed.) | | | <i>magneto-P4</i> |
| TISA Gridding | | February/ March | | Beta1-Edition2 delivery of new PGE CER9.0P2 for new ISCCP-D2like-Merge (?) product. [All ISCCP-D2like HDF products will have the same format.] | | X | <i>magneto-P4</i> |

Table 3. CERES Subsystem Delivery Schedule – January 2010

| Subsystem | Preliminary Delivery Memo to CM | Delivery to CERES CM | Release to Langley DAAC | Reason for Delivery | CERESlib Delivery Needed | New PGE(s) | Certified Platform(s) |
|--------------------|---------------------------------|--------------------------------|-------------------------|---|--------------------------|------------|-----------------------|
| TISA Averaging | | March 2010 | | SRBAVG-GEO Beta2-Edition3. Adding Model C surface fluxes and solar insulation. | | | <i>magneto-P4</i> |
| Instrument | | March 2010 | | Updates to PGE 1.1P8 for NPP. (C++) Also, build to correct any NPP-related errors discovered in NCT3 testing. | | | <i>AMI-P6</i> |
| Instantaneous SARB | | April 2010 | | New PGE to produce MATCH input files. | | X | <i>magneto-P4</i> |
| Clouds | | June 2010 | | Terra and Aqua Edition3. | | | <i>AMI-P6</i> |
| Inversion | | July 2010 | | Terra and Aqua Edition3. | | | <i>AMI-P6</i> |
| Instrument | | August 2010 | | Build corrects all NPP errors found so far. Last Build before launch freeze date. Might not be needed | | | <i>AMI-X86</i> |
| Clouds | | ??? | | Support TRMM VIRS-only processing of August 2001 forward. | | | <i>magneto-P4</i> |
| Inversion | | Two to four weeks after Clouds | | Support TRMM VIRS-only processing. | | | <i>magneto-P4</i> |
| Instrument | | ??? | | Delivery of simulated IES PGE to support TRMM VIRS-only processing. New PGE: CER1.0P1. | | X | <i>magneto-P4</i> |

Table 4. CERES Coefficients Delivery Schedule – January 2010

| Subsystem | Preliminary Delivery Memo to CM | Delivery to CERES CM | Release to Langley DAAC | Reason for Delivery | Certified Platform(s) |
|--------------------------|---------------------------------|----------------------|-------------------------|--|--------------------------------------|
| Instrument | N/A | January 8 | | Terra Edition3 gain files for January 2005 – March 2009. | <i>warlock/ AMI</i> |
| ERBE-like | N/A | January 15 | | Terra Edition3 spectral response function files for Launch – December 2004. | <i>warlock/ magneto/ AMI</i> |
| ERBE-like | N/A | January 22 | | Terra Edition3 spectral response function files for January 2005 – March 2009. | <i>warlock/ magneto/ AMI</i> |
| Instrument | N/A | February | | Aqua Edition3 gain files for Launch – March 2009. | <i>warlock/ AMI</i> |
| ERBE-like | N/A | February | | Aqua Edition3 spectral response function files for Launch – March 2009. | <i>warlock/ magneto/ AMI</i> |
| Instrument/ ERBE-like | N/A | ??? | | TRMM Edition3 gains and spectral response function files. | <i>warlock/ magneto/ AMI</i> |

Table 5. SCCR Activity December 7 at 3:30 p.m. – January 12 at 1:30 p.m.

| SCCR | S | U | A | C | D | SS | Page No. | Comments |
|-------------|----------|----------|----------|----------|----------|-----------|-----------------|-----------------|
| 704 | | | | X | | 4.6 | | |
| 726 | | | | X | | 2 | | |
| 737 | | | | X | | 12 | | |
| 742 | | | | X | | 4.1-4.4 | | |
| 743 | | | | X | | 4.1-4.3 | | |
| 745 | | | | X | | CERESlib | | |
| 749 | X | X | X | | | 12 | 12 | |
| 750 | X | | | | | 2 & 3 | 14 | |
| 751 | X | | X | X | | 4.5 | 15 | |
| 752 | X | X | X | | | 4.1-4.3 | 16 | |
| 753 | X | | X | X | | 12 | 18 | |

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

CERES Software Configuration Change Request Submittal

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Subsystem: MOA

SCCR Date: 12/10/2009

SCCR Number: 749

Parameter Change: () YES (X) NO

Description of Change (Science):

None

Reason for Change (Science):

None

Description of Change (non-Science):

(Req# 12-3.0)

Changes to scripts and Makefiles to eliminate ASCII file generator and allow compilation and execution on P6 and x86 machines

Reason for Change (non-Science):

(Req# 12-3.0)

Changes requested by SEC for all code deliveries to AMI system.

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: 12.1P1, 12.1P2

Estimated Time to Complete Change: 1 week

Planned Delivery Date: December 18, 2009

List Affected Subsystems and PGE Names: RegridMOA

Date: 12/10/2009

Status: Submitted

Originator: CALDWELL, THOMAS E. (SSAI)

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ADDITIONAL CHANGES TO SCCR NO. 749:

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Parameter Change: () YES (X) NO

Description of Change (Science):

(Req# 12-3.1)

Correction to G5 data read routine to ensure that MOA default values are used for regions where valid G5 data are not available.

Reason for Change (Science):

(Req# 12-3.1)

The MOA default values were not being written to the internal data array for some regions. This caused those MOA regions to produce incorrect near-surface humidity profile values.

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

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: CER12.1P1, CER12.1P2

Estimated Time to Complete Change: 2 days

Planned Delivery Date: December 18, 2009

List Affected Subsystems and PGE Names: Clouds, Inversion, SARB: 4.1-4.NPx, 4.5-6.NPx, 5.NPx

Date & Time: 2009-12-16 10:50:15

Originator: CALDWELL, THOMAS E. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: ERBEl like

SCCR Date & TIME: 2009-12-11 08:14:48

SCCR No.: 750

Parameter Change: () YES (X) NO

Description of Change (Science):

NA

Reason for Change (Science):

NA

Description of Change (non-Science):

(Req 2-13) Create crosstrack only Edition3 ES4s and ES9s. This may include data from both instruments. For example, for Mar 2000

FM1 and FM2 alternate between crosstrack and RAPS.

The code changes will be in CER2.2P1, CER2.3P1 and CER2.3P2 which create EID6s and EID6Xs. These crosstrack only EID6s are inputs to subsystem 3.0 and thus ss3.0 should not require code changes.

Reason for Change (non-Science):

Monthly ERBEl like data products (ES4 and ES9) will have only one version for each satellite. Our customers will be given our best data set for each satellite instead of having to guess which instrument to choose. Example file prefix :

CER_ES4_Terra-Xtrk_Edition3_000000.yyyymm.

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: one month

Planned Delivery Date: 1/15/09

List Affected Subsystems and PGE Names: NA

Originator: WALIKAINEN, DALE R. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Inversion4.5

SCCR Date & TIME: 2009-12-14 11:51:28

SCCR No.: 751

Parameter Change: () YES (X) NO

Description of Change (Science):
None

Reason for Change (Science):
None

Description of Change (non-Science):
Recompile of the following PGE's is needed to incorporate the CERESlib changes.
CER4.5-6.1P2, CER4.5-6.1P3, CER4.5-6.2P2, CER4.5-6.4P1.

Reason for Change (non-Science):
Recompile of PGE's to support CERESlib update.

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: CER4.5-6.1P2, CER4.5-6.1P3, CER4.5-6.2P2, CER4.5-6.4P1

Estimated Time to Complete Change: 1 day

Planned Delivery Date: 12/14/2009

List Affected Subsystems and PGE Names: Inversion CER4.5-6.1P2, CER4.5-6.1P3, CER4.5-6.2P2,
CER4.5-6.4P1

Originator: SOTHCOTT, VICTOR E. (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Clouds4.1-3

SCCR Date: 12/14/2009

SCCR Number: 752

Parameter Change: () YES (X) NO

Description of Change (Science):

Updating the PCF generators for CER4.1-4.1P4 and CER4.1-4.1P5 to turn off Welch algorithm on magneto.

Reason for Change (Science):

SCCR 741 turned the welch algorithm off for CER4.1-4.1P4 and CER4.1-4.1P5 on magneto, which produced larger differences in results produced between magneto and warlock. Therefore the welch algorithm needs to be turned back on (Req. 4-6.5)

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

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: CER4.1-4.1P4 on magneto and CER4.1-4.1P5 on magneto

Estimated Time to Complete Change: 2 days

Planned Delivery Date: Dec 16, 2009

List Affected Subsystems and PGE Names: Inversion 4.5-6.1P4, 4.5-6.1P5, and 4.5-6.2P2; SARB 5.0P2 and 7.2.1P1; and TISA 9.2P1 and 9.0P1

Date: 12/14/2009

Status: UNKNOWN

Originator: SUN-MACK, SUNNY (SSAI)

ADDITIONAL CHANGES TO SCCR NO. 752:

Parameter Change: () YES (X) NO

Description of Change (Science):

Updating the PCF generators for CER4.1-4.1P4 and CER4.1-4.1P5 to turn Welch algorithm BACK ON on magneto.

Reason for Change (Science):

SCCR 741 turned the welch algorithm off for CER4.1-4.1P4 and CER4.1-4.1P5 on magneto, which produced larger differences in results produced between magneto and warlock. Therefore the welch algorithm needs to be turned back on (Req. 4-6.5)

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

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:

CER4.1-4.1P4 on magneto and CER4.1-4.1P5 on magneto

Estimated Time to Complete Change: 2 days

Planned Delivery Date: Dec 16, 2009

List Affected Subsystems and PGE Names: Inversion 4.5-6.1P4, 4.5-6.1P5, and 4.5-6.2P2; SARB 5.0P2 and 7.2.1P1; and TISA 9.2P1 and 9.0P1

Date & Time: 2009-12-14 14:45:23

Originator: SUN-MACK, SUNNY (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: MOA

SCCR Date & TIME: 2009-12-16 10:59:12

SCCR No.: 753

Parameter Change: () YES (X) NO

Description of Change (Science):
(Req# 12-3.2)

Correction to G5 data read routine to ensure that MOA default values are used for regions where valid G5 data are not available.

Reason for Change (Science):
(Req# 12-3.2)

The MOA default values were not being written to the internal data array for some regions. This caused those MOA regions to produce incorrect near-surface humidity profile values.

This correction is identical to Req# 12-3.1 in SCCR 749. This SCCR implements that correction on the magneto system.

Description of Change (non-Science):
N/A

Reason for Change (non-Science):
N/A

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: CER12.1P1, CER12.1P2

Estimated Time to Complete Change: 1 day

Planned Delivery Date: December 17, 2009

List Affected Subsystems and PGE Names: Clouds, Inversion, SARB: 4.1-4.NPx, 4.5-6.NPx, 5.NPx

Originator: CALDWELL, THOMAS E. (SSAI)

Table 6. January 13, 2010 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|----------------|---------------------|--|----------|
| Toolkit Issues | Zentz | <ul style="list-style-type: none"> No new updates. (Zentz) | |
| 1.0 | Cooper (Walikainen) | <ul style="list-style-type: none"> CER1.0P2 will be delivered to <i>AMI</i> on Jan. 22nd. It is delayed 1 week due to the ASDC maintenance performed the first week of Jan. 2010. The code updates for this have been completed and now the scripts and directory structure changes are being incorporated. Once this PGE has been delivered and gone through CM and SIT testing all of the existing Instrument PGEs will be officially on <i>AMI</i>. (Cooper & Spivak) Edition3 gain updates thru February 1, 2009 should be delivered this week. (Cooper) Waiting for ValRxs to complete for Edition2 gain updates to validate the delivered gains. (Cooper) Work continues on the C++ conversion of PGEs CER1.3P1 and CER1.3P2. These will be ready to deliver in March, if not sooner. (Magill) Work continues on updates to PGE CER1.1P8. Validation of results for Aqua and Terra are being done and updates to fix any incorrect parameters in the BDS and IESs are being worked. (Grepitotis & Timcoe) Work to port all existing validation code to <i>AMI</i> continues; however, it is going slowly due to workloads. (All) | |
| 2.0 | Walikainen (Cooper) | <ul style="list-style-type: none"> Continuing to examine QC checker email generated during production. (Walikainen) Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen) Plan to deliver SCCR-734 (1/15) and SCCR-734 (1/15) to <i>magneto</i>. These deliveries were delayed to handle Science Team request to have only cross track monthly data products. Meeting with Tak (1/14) to update our progress. (Walikainen & Lande) | |

Table 6. January 13, 2010 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|--------|---|--|----------|
| 2.0 | Walikainen (Cooper) (Continued) | <ul style="list-style-type: none"> • Generated a set of Aqua Beginning-of-Mission Edition3 spectral responses. These are being analyzed. (Walikainen) • Trying to demonstrate our capability to handle FM6 LW channel. Can we generate spectral correction coefficients like we did for ERBE's purely LW channel? (Walikainen & Shanker) • Creating more enhanced FM2 TOT channel unfiltering coefficients. Enhanced means the throughput of the TOTAL has improved. (Walikainen) | |
| 3.0 | Walikainen (Cooper) | <ul style="list-style-type: none"> • Combined with above. | |
| 4.1 | Sun-Mack (Brown) | <ul style="list-style-type: none"> • Continued work on Edition 3 QC post processing software. (Smith) • Helped design new web presentation for Edition 3 output. Made directory structures for Edition 3 post-processing area and <i>AMI</i> web area match. (Heckert & Smith) • Created Edition 3 QC web plots and post-processed data for 200401, 200404, 200601 and moved to <i>AMI</i>. (Smith) • Reran 20070415 Aqua and Terra on <i>magneto</i> with corrected skin temperature and humidity profiles. (Smith & Sun-Mack) • Remade GEWEX netcdf CREI and CREIH databases to include Ice particle size recalculated as radius rather than diameter. (Smith) • Participated in optimization training class. (Smith, Chen, & Sun-Mack) • Developed Clouds Working Group Website home page and the Terra Satellite imagery viewing tool which is linked from it. (Heckert) • Fixed some issues with the Google Map tool in Safari. (Heckert) | |

Table 6. January 13, 2010 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|---------------|--|--|-----------------|
| 4.1 | Sun-Mack (Brown) (Continued) | <ul style="list-style-type: none"> • The CloudParam-Phase and Total code were modified to use the DefVal for bad data. (Chen & R. Brown) • Worked on processing Aqua and Terra Edition 2 QC monthly, seasonal, and annual results. Results are processed through 200712 and posted on the Web. (R. Brown) • Modified web scripts for Aqua and Terra Edition 2-QC to display orthogonal images for North and South Poles. (R. Brown) • Delta Delivery 752 was delivered to CM. (R. Brown & Sun-Mack) • SSF images for Aqua Edition 2C and Terra Edition 2F were processed through 200712. Results are posted on the Web. (R. Brown) • Worked on transferring, setting up, scripting and converting Ed3 beta2 Clouds code on <i>AMI</i>. (Sun-Mack) • Worked on transferring, setting up, scripting and converting NEWS code on <i>AMI</i>. (Sun-Mack) • Processed 3 months of Clouds offline code for 1.24 μm channel study on <i>AMI</i>. (Sun-Mack) • Processed 2 months of merged CloudSat/CALIPSO/MODIS NEWS code on <i>AMI</i>. (Sun-Mack) • Worked on dx converting on <i>AMI</i>. (Gibson, Chen, & SA) • Worked on Clouds Algorithm paper I. (Chen & Sun-Mack) • Read papers and start thinking about what goes to Clear Sky Paper. (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 6. January 13, 2010 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|---------------|-------------------------|---|-----------------|
| 4.4 | Miller (Antropov) | <ul style="list-style-type: none"> Worked on a program to fill the point spread function for the footprint with MODIS albedo data. Several sample footprints have been processed. (Antropov) (Edition3) | |
| 4.5 | Sothcott | <ul style="list-style-type: none"> Attended weekly SOFA working group meetings. (Sothcott) Ran a day of Edition3 Beta2 with fixed MOA for review. (Sothcott) Worked on debugging the LW, WN and SW TOA flux results in both the IES-SSF delivery and the Edition2 delivery to <i>magneto</i>. Have resolved the multiple issues that were found; software bugs, double application of corrections and initialization errors. (Sothcott) Have worked to update the Edition3 Beta2 code in preparation for the full Edition3 delivery. (Sothcott) | |
| 4.6 | Sothcott | <ul style="list-style-type: none"> Combined with above. | |
| 5.0 | Caldwell (Coleman) | <ul style="list-style-type: none"> Working on Edition3 CRS. (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"> Delivered MOA PGEs to AMI with new DPO directories. (Caldwell) Resolved SSMI filename issue with MOA script on <i>magneto</i>. (Caldwell) | |
| 7.1 | Nguyen (Raju, Filer) | <ul style="list-style-type: none"> No new updates. (Nguyen) | |
| 8.0 | Nguyen (Raju, Filer) | <ul style="list-style-type: none"> Attended the Optimization and Parallelization course. (Nguyen & Lock) Familiarizing code and scripts on <i>magneto</i>. (Lock) | |

Table 6. January 13, 2010 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|-----------------------------------|-------------------------|--|-----------------|
| 10.0 | Nguyen (Raju, Filer) | <ul style="list-style-type: none"> Working on Beta2-Edition3 non-GEO SRBAVG code to include the daily zonal and global averages. (Nguyen) Ran 7-years non-GEO SRBAVGLite to create 1 monthly SRBAVG and days-of-month SRBAVG daily averaged files each month for the subset group to create the NetCDF data. (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"> Work continued to update and validate PGEs' 9.2P2 – 9.4P2 software. CER9.3P2 code was modified to create both zonal and day binary files as archival products since day files are used as inputs to PGE 9.4P2 to create SSF1deg-hour HDF public product. (Raju & Parrish) Getting to know how to create PCF scripts to work on <i>AMI</i> systems. As a test case, worked on PGE 9.1P1 script and ran 1 month of data through 9.1P1 with new PCF to create PMOA. Started working on the PGE9.2P2 PCF script. (Raju) TISA science team has decided to have two PGEs for ISCCP-merge process. Worked on the first PGE software and ran two months of data to create Terra-Aqua combined product. (Raju) PGE 9.0P1 was delivered to CERES CM to create Edition2 products. (Raju) | |
| 11.0 | Raju (Nguyen) | <ul style="list-style-type: none"> PGE CER11.7P1 was delivered to CERES CM for Edition2 process. (Raju) Waiting for the final version of code/coefficients from Dave Doelling to finalize the CER11.1P10 delivery to CM. (Raju) Work continued to convert PCF shell scripts to perl. (Ron Parrish) | |
| CERES -lib | Zentz | <ul style="list-style-type: none"> No new updates. (Zentz) | |
| Production Processing Database | | <ul style="list-style-type: none"> Contacting SAs about setting up a PostGres data base to migrate to. (Grune) | |

Table 6. January 13, 2010 - Subsystem Issues and Status

| SS No. | SS Lead | Status | Problems |
|-----------------------------|----------------|--|-----------------|
| Ordering Tool | | <ul style="list-style-type: none"> • Continued working on CERES Parameters Catalog Document generating script (Order Tool project). (Heckert) • Began working on tool to allow the editing of data in the CERES Parameters Catalog Document database (Order Tool project). (Heckert) | |
| Optimization/ Automation | | <ul style="list-style-type: none"> • Optimization class conducted by ODU at 1EP attended by many. • TISA SS8 code loaded onto ODU X86 and preparing to test. (Chu & Zentz) • Working on determining automation milestones for scheduling purposes. (Coleman) | |

Table 7. January 13, 2010 – Other NPP Issues

| Activity | Status |
|-----------------------|--|
| Telecons/ Meetings | <ul style="list-style-type: none">• Attended an NPP Ground System Interface Test meeting January 8. The System Integration and Test team briefed Science Data Segment staff on GSIT test procedures, artifact collection and schedule. GSIT testing is expected to begin in early March. (Closs)• Presented a paper on science data processing for CERES on NPP at the American Geophysical Union conference. (Closs) |
| System Engineering | <ul style="list-style-type: none">• No new updates. |

Table 1: PGE Current Events Status Table

| Subsystem ID | PGE ID | Current PGE Production Status ¹ | Current Prod. Platform ^{2,3} (TK Version for compilation) ⁶ | Planned Update Status ¹ | Prod Platform for Planned Update ² (TK Version for compilation) ⁶ | Comments |
|-----------------|--------------|--|---|------------------------------------|---|--|
| Instrument - 1 | CER1.0P1 | Developing | P6 | | | Will comply with all the latest whenever delivered |
| | CER1.0P2 | Active | P4 (15) | Developing | P6 | C++ RDR Pre-Processor |
| | CER1.1P1 | Active | W | SSI&T | X86 | To be disabled when C++ working- CER1.1P8 |
| | CER1.1P3 | Active | W | SSI&T | X86 | To be disabled when C++ working- CER1.1P8 |
| | CER1.1P5 | Active | W | SSI&T | X86 | To be disabled when C++ working- CER1.1P8 |
| | CER1.1P7 | SSI&T | W | SSI&T | X86 | Ada NPP |
| | CER1.1P8 | SSI&T | P6 | | | C++ NPP, Terra, Aqua |
| | CER1.2P1 | Active | W | SSI&T | X86 | C code, delta delivery for NPP completed. |
| | CER1.3P1 | Active | W | SSI&T | X86 | Replace with CER1.4P1 on P4, P6 |
| | CER1.3P2 | Active | W | SSI&T | X86 | Replace with CER1.4P2 on P4, P6 |
| CER1.3P3 | Active | W | SSI&T | X86 | Replace with CER1.4P3 on P4, P6 | |
| ERBE-like - 2 | CER2.1P1 | Active | W | ValRx | P4 (16) | |
| | CER2.2P1 | Active | W | Developing | P4 (15) | Compile HDF with TK 15, run with TK 16 |
| | CER2.3P1 | Active | W | Developing | P4 (15) | Compile HDF with TK 15, run with TK 16 |
| | CER2.3P2 | Active | W | Developing | P4 (15) | Compile HDF with TK 15, run with TK 16 |
| | CER2.4P1 | Active | W | ValRx | P4 (16) | |
| ERBE-like - 3 | CER3.1P1 | Active | W | SSI&T | P4 (16) | |
| | CER3.2P1 | Active | W | SSI&T | P4 (16) | |
| Clouds 4.1-4 | CER4.1-4.0P1 | Active | W ³ | | | |
| | CER4.1-4.0P2 | Active | P4 (15) | | | |
| | CER4.1-4.1P4 | Active | W | ValRx | P4 (15) | warlock version recompiled |
| | CER4.1-4.1P5 | Active | W | ValRx | P4 (15) | warlock version recompiled |
| | CER4.1-4.1P6 | Active | P4 (15) | | P6 | Beta2-Ed3 (P4), Ed3 (P6) |
| | CER4.1-4.2P2 | Active | W | ValRx | P4 (15) | |
| | CER4.1-4.2P3 | Active | W | ValRx | P4 (15) | |
| | CER4.1-4.2P4 | Active | P4 (15) | | P6 | Beta2-Ed3 on P4, Ed3 to be on P6 |
| CER4.1-4.2P5 | Active | P4 (15) | | P6 | Beta2-Ed3 on P4, Ed3 to be on P6 | |

Table 1: PGE Current Events Status Table

| Subsystem ID | PGE ID | Current PGE Production Status ¹ | Current Prod. Platform ^{2,3} (TK Version for compilation) ⁶ | Planned Update Status ¹ | Prod Platform for Planned Update ² (TK Version for compilation) ⁶ | Comments |
|----------------|--------------|--|---|------------------------------------|---|---|
| | CER4.1-4.3P2 | Active | W | | P4 (15) | |
| | CER4.1-4.3P3 | Active | P4 (15) | | P6 | Beta2-Ed3 on P4, Ed3 to be on P6 |
| Inversion/SOFA | CER4.5-6.1P2 | Active | W | ValRx | P4 (15) | Edition2 to <i>magneto</i> , need recompile if <i>warlock</i> |
| 4.5-6 | CER4.5-6.1P3 | Active | W | ValRx | P4 (15) | Edition2 to <i>magneto</i> , need recompile if <i>warlock</i> |
| | CER4.5-6.1P4 | Active | P4 (16) | | P6 | Terra Main Ed3 version of 1P2 |
| | CER4.5-6.1P5 | Active | P4 (16) | | P6 | Aqua Main Ed3 version of 1P3 |
| | CER4.5-6.2P2 | Active | W | ValRx | P4 (15) | Edition2 to <i>magneto</i> , need recompile if <i>warlock</i> |
| | CER4.5-6.2P3 | Active | P4 (16) | | P6 | Subset postprocessor for Terra and Aqua (Ed3 version of 2P2) |
| | CER4.5-6.3P2 | Active | W | ValRx | P4 (15) | Edition2 to <i>magneto</i> , need recompile if <i>warlock</i> |
| | CER4.5-6.3P3 | Active | W | ValRx | P4 (15) | Edition2 to <i>magneto</i> , need recompile if <i>warlock</i> |
| | CER4.5-6.4P1 | Active | W | ValRx | P4 (15) | Edition2 to <i>magneto</i> , need recompile if <i>warlock</i> |
| | CER4.5-6.4P2 | Active | P4 (16) | | P6 | Monthly validation site (Ed3 for 4P1) |
| | CER4.5-6.5P2 | Developing | P4 (16) | | P6 | IES-SSF Terra New PGE |
| | CER4.5-6.5P3 | Developing | P4 (16) | | P6 | IES-SSF Aqua New PGE |
| | CER4.5-6.6P2 | Active | W | ValRx | P4 (15) | Edition2 to <i>magneto</i> , need recompile if <i>warlock</i> |
| | CER4.5-6.6P3 | Active | W | ValRx | P4 (15) | Edition2 to <i>magneto</i> , need recompile if <i>warlock</i> |
| | SARB - 5 | CER5.0P1 | Active | W, P4 (15) | | P6 |
| CER5.0P2 | | ValRx | P4 (15) | | P6 | new PGE |
| CER5.1P1 | | Active | W, P4 (15) | | P6 | |
| CER5.1P2 | | ValRx | P4 (16) | | P6 | |
| CER5.4P1 | | Active | W, P4 (15) | | P6 | |
| CER5.4P2 | | ValRx | P4 (16) | | P6 | |

Table 1: PGE Current Events Status Table

| Subsystem ID | PGE ID | Current PGE Production Status ¹ | Current Prod. Platform ^{2,3} (TK Version for compilation) ⁶ | Planned Update Status ¹ | Prod Platform for Planned Update ² (TK Version for compilation) ⁶ | Comments |
|----------------|------------|--|---|------------------------------------|---|---|
| TISA Grid - 6 | CER6.1P1 | Active | W, P4 (15) | | | |
| | CER6.1P2 | Developing | P6 (16) | | | New PGE for Edition3 |
| | CER6.2P1 | Active | W, P4 (15) | | | |
| | CER6.2P2 | Developing | P6 (16) | | | New PGE for Edition3 |
| | CER6.3P1 | Active | W, P4 (15) | | | |
| | CER6.3P2 | Developing | P6 (16) | | | New PGE for Edition3 |
| TISA Avg - 7.1 | CER7.1.1P1 | Active | W, P4 (15) | | P6 | |
| SARB - 7.2 | CER7.2.1P1 | ValRx | W, P4 (16) | | P6 | |
| TISA Avg - 8 | CER8.1P1 | Active | W, P4 (15) | | P6 | |
| TISA Grid - 9 | CER9.0P1 | Active | W, P4 (15) | | P6 | |
| | CER9.1P1 | Active | W, P4 (15) | | P6 | |
| | CER9.2P1 | Active | W, P4 (15) | | P6 | |
| | CER9.2P2 | Developing | P6 (16) | | | new PGE |
| | CER9.3P1 | Active | W, P4 (15) | | P6 | |
| | CER9.3P2 | Developing | P6 (16) | | | new PGE |
| | CER9.4P1 | Active | W, P4 (15) | | P6 | |
| | CER9.4P2 | Developing | P6 (16) | | | new PGE |
| TISA Avg - 10 | CER10.0P1 | SSI&T | P4 (16) | | P6 | new PGE |
| | CER10.0P2 | SSI&T | P4 (16) | | P6 | new PGE |
| GGEO - 11 | CER11.1P10 | Developing | P4 (16) | | P6 | |
| | CER11.2P2 | Developing | P4 (16) | | P6 | |
| | CER11.4P1 | Developing | P4 (16) | | P6 | |
| | CER11.6P1 | Active | W | | P4, P6 | |
| | CER11.7P1 | Active | P4 (15) | Developing | P6 | Completed Beta1 runs |
| Regrid MOA -12 | CER12.1P1 | Active | W, P4 (16) | SSI&T | P6 | Delivery to P6 also included X86 capability |
| | CER12.1P2 | Active | P4 (16) | SSI&T | P6 | Ed3 MOA - Delivery to P6 also included X86 capability |

| Table 1 Key: | | |
|--------------------------------------|------------|---|
| ¹ Status | Active | Currently able to run in production |
| | Developing | New PGE in development, still to be delivered for the first time. Values in columns to right of the "Current PGE Production Status" column, such as the "Prod. Platform" column, are assumptions only and are highly subject to change. |
| | Disabled | PGE not currently in production but could be reinstated if requested |
| | Deleted | PGE no longer in production with little or no possibility of being reinstated |
| | SSI&T | PGE delivered and in SSI&T testing prior to operational processing |
| | ValRx | PGE promoted to production on platform, but still undergoing ValRx testing and approving phase |
| ² Prod. Platform | W | warlock |
| | P4 | <i>magneto</i> - IBM P4 |
| | P6 | <i>magneto</i> - IBM P6 |
| | X86 | <i>magneto</i> - IBM X86 |
| ³ Prod. Platform | W | If no other platform is indicated, then the associated PGE will be deleted once <i>warlock</i> is removed. Replacement PGEs on other platforms will have a new PGE identifying number and a separate entry in spreadsheet. |
| ⁶ Prod. Platform (TK ver) | 15, 16 | Indicates with which version of toolkit the PGE executable was compiled. 15=Version 5.2.15, 16=5.2.16 (Note: IBM PGEs only) |
| ⁵ Toolkit ver16 Tested | | Criteria for defining Toolkit Version 16 Tested column value equal to "P4", "P6", "X86": If PGE is in production on P4 and compiled already with TK 15, does the existing executable work with TK 16 as long as LD_LIBRARY_PATH points to TK 15? If PGE not already compiled for production, does it compile and work with TK 16? For the P6/X86, does the version of s/w being tested on the P6/X86 work with TK 16? |

| Table 2: CERES Product Current Events Status Table | | | |
|--|---------------------------|------------------------|--|
| Table 2 - CERES Data Products | | | |
| Product Name | Responsible Working Group | Archival, Internal, or | URL in Sample Read README updated ¹ ? |
| BDS | Instrument | Archival | N |
| ES-8 | ERBE-like | Active | N |
| ES-9 | ERBE-like | Archival | N |
| ES-4 | ERBE-like | Archival | N |
| SSF | Inversion | Archival | Y |
| CRS | SARB | Archival | N |
| FSW | TISA-Gridding | Archival | N |
| SYN | TISA-Averaging | Archival | Y |
| AVG | TISA-Averaging | Archival | Y |
| ZAVG | TISA-Averaging | Archival | Y |
| SFC | TISA-Gridding | Archival | N |
| SRBAVG | TISA-Averaging | Archival | Y |
| ISCCP-D2like-Day/Nit | TISA-Gridding | Archival | Y |
| ISCCP-D2like-GEO | TISA-GGEO | Archival | Y |
| INSTR | Instrument | Internal | N/A |
| IES | Instrument | Internal | N/A |
| EID-6 | ERBE-like | Internal | N/A |
| CRH | Clouds | Internal | N/A |
| GCEO | TISA | Internal | N/A |
| MOA | SARB | Internal | N/A |
| CID-VIRS | Clouds | Ext. Input | N/A |
| CID-MODIS | Clouds | Ext. Input | N/A |
| SURFMAP | Clouds | Ext. Input | N/A |
| GEO | TISA | ValRx | N/A |
| APD | SARB | Ext. Input | N/A |
| GAP | SARB | Ext. Input | N/A |
| MWH | SARB | Ext. Input | N/A |
| OPD | SARB | ValRx | N/A |
| ¹ Sample Read Package README files: References to URL http://asd-www.larc.nasa.gov/ceres/ASDceres.html need to be updated to http://science.larc.nasa.gov/ceres | | | |

| Revisions: | | |
|------------|---|--|
| Date | Affected Section or PGE/Product ID | Revision Made |
| 1/12/2010 | All | Moved PGEs with status of "Deleted" or "Disabled" to new sheet as Table 3 |
| | CER2.1P1, CER2.4P1 | Changed Planned Update status from SSI&T to ValRx |
| | CER2.2P1 | Corrected Planned Update status from SSI&T to Developing |
| | CER2.3P1,2 | Changed TK Version for Planned Update from 15 to 16 |
| | CER 4.1-4.0P2, CER4.1-4.1P4,5, CER4.5-6.1P4,5, CER4.5-6.2P3, CER4.5-6.4P2 | Changed Current Production Status from SSI&T to Active |
| | CER6.xP2 | New PGEs added to Table 1 |
| | CER12.1Px | Changed Planned Update Status to SSI&T, Changed Current Production Status TK version from 15 to 16 |

Table 3. CERES Disabled and Deleted PGEs

| Subsystem ID | PGE ID | Current PGE Production Status ¹ | Comments |
|-------------------------|--------------|--|------------------------------------|
| Instrument - 1 | CER1.1P2 | Disabled | Remain disabled |
| | CER1.1P4 | Disabled | Remain disabled |
| | CER1.1P6 | Disabled | Remain disabled |
| ERBE-like - 2 | | | |
| ERBE-like - 3 | CER3.2P2 | Disabled | |
| Clouds 4.1-4 | CER4.1-4.1P1 | Disabled | |
| | CER4.1-4.1P2 | Disabled | Collection 4 |
| | CER4.1-4.1P3 | Disabled | Collection 4 |
| | CER4.1-4.2P1 | Disabled | Collection 4 |
| | CER4.1-4.3P1 | Disabled | Collection 4 |
| | CER4.1-4.4P1 | Disabled | In Op Man, but not in FMP. Delete? |
| Inversion/SOFA 4.5-6 | CER4.5-6.1P1 | Disabled | Probably not to be reactivated |
| | CER4.5-6.2P1 | Disabled | Probably not to be reactivated |
| | CER4.5-6.3P1 | Disabled | Probably not to be reactivated |
| SARB - 5 | CER5.2P1 | Deleted | |
| | CER5.3P1 | Disabled | |
| TISA Grid - 6 | | | |
| TISA Avg - 7.1 | | | |
| SARB - 7.2 | | | |
| TISA Avg - 8 | CER8.2P1 | Deleted | Merged with CER8.1P1 |
| TISA Grid - 9 | | | |
| TISA Avg - 10 | CER10.1P1 | Disabled | Replace with CER10.0P2 |
| | CER10.1P2 | Disabled | Replace with CER10.0P1 |
| | CER10.2P1 | Deleted | |
| | CER10.3P1 | Deleted | |
| | CER10.1P3 | Disabled | |
| | CER10.1P4 | Disabled | Replace with CER10.0P2 for Terra |
| | CER10.1P5 | Disabled | Replace with CER10.0P1 for Terra |

Table 3. CERES Disabled and Deleted PGEs

| Subsystem ID | PGE ID | Current PGE Production Status ¹ | Comments |
|----------------|-----------|--|----------|
| GGEO - 11 | CER11.1P1 | Disabled | |
| | CER11.1P2 | Disabled | |
| | CER11.1P3 | Disabled | |
| | CER11.1P4 | Disabled | |
| | CER11.1P5 | Disabled | |
| | CER11.1P6 | Disabled | |
| | CER11.1P7 | Disabled | |
| | CER11.1P8 | Disabled | |
| | CER11.2P1 | Disabled | |
| | CER11.3P1 | Disabled | |
| | CER11.5P1 | Deleted | |
| Regrid MOA -12 | | | |