

June 13, 2007 - System Issues and Status

Table 1: Process Strategy/Geier as of 06/13/07
Active Requests in order of priority (1 of 6)

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|-------------------------|----------------------|---------------------|--------------------------|--|--|---|
| M-PR 3-02 | | NSIDC-NESDIS | EICE ESNOW (SS4.1) | 4.1-4.0P1 | Standing request | |
| PR 107-07 | | Edition2A | GGEOW (SS 11) | 11.6P1 | 5 select months | Months initially overlooked. Process them before SRBAVG runs. |
| PR 84-07 to 89-07 | FM3 or FM4 | ValR10 | Inst. SARB (SS 5) | 5.0P1 5.1P2 5.4P2 | 3 select months (7/02, 12/05, 4/06) | |
| PR 96-07 | FM1, FM2, V005 | ValR13 | Clouds (SS4.1-4) | 4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.2-4.3P2 | 7/06 | Waiting on promotion. |
| PR 95-07 | FM1, FM2, V005 | ValR13 | Clouds (SS4.1-4) | 4.1-4.1P4 | 9/22/06 | Waiting on promotion. |
| PR 94-07 | FM1, FM2 | ValR13 | Inversion (SS4.5-6) | 4.5-6.1P2 4.5-6.2P2 4.5-6.4P1 | 7/06 | Waiting on promotion of recompiled code. |
| PR 93-07 | FM1, FM2 | ValR13 | Inversion (SS4.5-6) | 4.5-6.1P2 | 9/22/06 | Waiting on promotion of recompiled code. |
| PR 106-07 | FM3, FM4, V005 | ValR13 | Clouds (SS4.1-4) | 4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.2-4.3P2 | 7/06 | Waiting on promotion. |
| PR 105-07 | FM3, FM4, V005 | ValR13 | Clouds (SS4.1-4) | 4.1-4.1P5 | 9/22/06 | Waiting on promotion. |
| PR 105B-07 | FM3 | ValR13 | Inversion (SS4.5-6) | 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1 | 7/06 | Waiting on promotion of recompiled code. |
| PR 104-07 | FM3 | ValR13 | Inversion (SS4.5-6) | 4.5-6.1P3 | 9/22/06 | Waiting on promotion of recompiled code. |

Table 1: Process Strategy/Geier as of 06/13/07
Active Requests in order of priority (2 of 6)

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|---|------------------|----------------------------|---------------------------|---|--------------------|--|
| PR 103-07 | FM4 | ValR13-NoSW | Inversion (SS4.5-6) | 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1 | 7/06 | Waiting on promotion of recompiled code. |
| PR 102-07 | FM4 | ValR13-NoSW | Inversion (SS4.5-6) | 4.5-6.1P3 | 9/22/06 | Waiting on promotion of recompiled code. |
| PR 111-07 | FM1, FM2 | ValR9 | TISA avg (SS 10) | 10.0P1 10.0P2 10.0P3 | 7/02, 1/03 | Waiting on Delivery. |
| PR 113-07 | FM3, FM4 | ValR9 | TISA avg (SS 10) | 10.0P1 10.0P2 10.0P3 | 7/02, 1/03, 10/04 | Waiting on Delivery. |
| PR 112-07 | FM3, FM4 | ValR10 | TISA avg (SS 10) | 10.0P1 10.0P2 10.0P3 | 7/02, 1/03 | Waiting on Delivery. |
| PR 79A-07 to 79D-07 | FM1 or FM2 | Edition2B | Inst. SARB (SS 5) | 5.0P1 5.1P1 5.4P1 | Select months/days | Validation files for Terra must be called Edition2B and be run with a cc# that distinguishes them as such. |
| 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. |

Table 1: Process Strategy/Geier as of 06/13/07
Active Requests in order of priority (3 of 6)

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|---|---------------------|----------------------------|---------------------------|--|-------------------|---|
| 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 63-07 | FM1, FM2, MODIS 004 | Edition2-QC | Clouds (SS4.1-4) | 4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1 | 1/1/06 - 8/1/06 | |
| PR 62-07 | FM1 | Edition2B | Inversion (SS4.5-6) | 4.5-6.1P2 4.5-6.2P2 4.5-6.4P1 | 3/1/06 - 8/1/06 | |
| PR 60-07 | FM1 | Edition2C | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 3/1/06 - 8/1/06 | |
| PR 61-07 | FM2 | Edition2B | Inversion (SS4.5-6) | 4.5-6.1P2 4.5-6.2P2 4.5-6.4P1 | 1/1/06 - 8/1/06 | |
| PR 59-07 | FM2 | Edition2C | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 1/1/06 - 8/1/06 | |
| PR 74-07 to 76-07 | FM2 | Edition2B | SARB (SS5) | 5.0P1 5.1P1 5.4P1 | 12/31/05 - 3/1/06 | Wait for Terra Validation CRS to be approved. |
| PR 72-07 | FM2 | Edition2C | TISAgird (SS6) | 6.1P1 6.2P1 6.3P1 | 12/31/05 - 3/1/06 | Wait for Edition2B CRS. |
| PR 77-07 to 79-07 | FM1 | Edition2B | SARB (SS5) | 5.0P1 5.1P1 5.4P1 | 3/06 - 6/06 | Wait for Terra Validation CRS to be approved. |
| PR 73-07 | FM1 | Edition2C | TISAgird (SS6) | 6.1P1 6.2P1 6.3P1 | 3/06 - 6/06 | Wait for Edition2B CRS. |
| PR 68-07 | FM3, FM4, MODIS 004 | Edition1A | Clouds (SS4.1-4) | 4.1-4.1P3 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1 | 1/1/06 - 5/1/06 | |

Table 1: Process Strategy/Geier as of 06/13/07
Active Requests in order of priority (4 of 6)

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|--------------------------------|------------------|----------------------------|---------------------------|-------------------------------------|-------------------------------|---|
| PR 67-07 | FM3 | Edition2B | Inversion (SS4.5-6) | 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1 | 1/1/06 - 5/1/06 | |
| PR 65-07 | FM3 | Edition2B | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 1/1/06 - 5/1/06 | |
| PR 81-07 to 83-07 | FM3 | Edition2B | SARB (SS5) | 5.0P1 5.1P2 5.4P2 | 12/31/05 - 5/1/06 | Wait for Aqua ValR10 CRS approval. |
| PR 80-07 | FM3 | Edition2B | TISAgrid (SS6) | 6.1P1 6.2P1 6.3P1 | 12/31/05 - 4/06 | Wait for Edition2B CRS. |
| PR 12-07 | FM3 | Edition2B | Inversion (SS4.5-6) | 4.5-6.6P3 4.5-6.2P2 4.5-6.4P1 | 7/2/02 hr 15 to 1/1/06 hr 11 | |
| PR 9-07 | FM3 | Edition2B | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 7/2/02 hr 15 to 1/1/06 hr 11 | |
| PR 11-07 | FM4 | Edition2B | Inversion (SS4.5-6) | 4.5-6.6P3 4.5-6.2P2 4.5-6.4P1 | 7/2/02 to 3/30/05 hr 17 | |
| PR 8-07 | FM4 | Edition2B | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 7/2/02 to 3/30/05 hr 17 | |
| PR 84A-07 to 84C-07 | FM3 or FM4 | Edition2B | SARB (SS5) | 5.0P1 5.1P2 5.4P2 | 7/02 - 12/05 | Wait for Aqua ValR10 CRS approval. |
| PR 84D-07 | FM3 or FM4 | Edition2B | TISAgrid (SS6) | 6.1P1 6.2P1 6.3P1 | 7/02 - 12/05 | Wait for Edition2B CRS. |
| PR 10-07 | FM4 | Ed2B-NoSW | Inversion (SS4.5-6) | 4.5-6.6P3 4.5-6.2P2 4.5-6.4P1 | 3/30/05 hr 18 to 1/1/06 | |
| PR 7-07 | FM4 | Ed2B-NoSW | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 3/31/05 hr 12 to 1/1/06 hr 11 | |
| PR 66-07 | FM4 | Ed2B-NoSW | Inversion (SS4.5-6) | 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1 | 1/1/06 - 5/1/06 | |

Table 1: Process Strategy/Geier as of 06/13/07
Active Requests in order of priority (5 of 6)

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|--------------------------------|----------------------|----------------------------|---------------------------|--|-------------------|---|
| PR 64-07 | FM4 | Ed2B-NoSW | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 1/1/06 - 5/1/06 | |
| PR 92-07 | FM1, FM2, V005 | Edition2F | Clouds (SS4.1-4) | 4.1-4.1P4 4.1-4.2P3 4.1-4.2P2 4.2-4.3P2 | 4/30/06 - 1/1/07 | Waiting ValR13 approval. |
| PR 91-07 | FM1, FM2 | Edition2F | Inversion (SS4.5-6) | 4.5-6.1P2 4.5-6.2P2 4.5-6.4P1 | 4/30/06 - 1/1/07 | Waiting on ValR13 approval. |
| PR 90-07 | FM1, FM2 | Edition2F | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 5/06 - 12/06 | Waiting on SSF input availability. |
| PR 101-07 | FM3, FM4, V005 | Edition2C | Clouds (SS4.1-4) | 4.1-4.1P5 4.1-4.2P3 4.1-4.2P2 4.2-4.3P2 | 4/30/06 - 1/1/07 | Waiting ValR13 approval. |
| PR 100-07 | FM3, V005 | Edition2C | Inversion (SS4.5-6) | 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1 | 4/30/06 - 1/1/07 | Waiting on ValR13 approval. |
| PR 99-07 | FM4, V005 | Ed2C-NoSW | Inversion (SS4.5-6) | 4.5-6.1P3 4.5-6.2P2 4.5-6.4P1 | 4/30/06 - 1/1/07 | Waiting on ValR13-NoSW approval. |
| PR 98-07 | FM3 | Edition2C | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 5/06 - 12/06 | Waiting on SSF input availability. |
| PR 97-07 | FM4 | Ed2C-NoSW | TISA grid (SS 9) | 9.2P1 9.3P1 9.4P1 | 5/06 - 12/06 | Waiting on SSF input availability. |
| PR 108-07 | FM1, FM2 | Edition2E | TISA avg (SS 10) | 10.0P1 10.0P2 10.0P3 | 3/00 - 10/05 | Waiting on ValR9 approval. |
| PR 110-07 | FM3 | Edition2B | TISA avg (SS 10) | 10.0P1 10.0P2 10.0P3 | 7/02 - 10/05 | Waiting on ValR10 approval. |
| PR 109-07 | FM4 | Edition2B | TISA avg (SS 10) | 10.0P1 10.0P2 10.0P3 | 7/02 - 3/05 | Waiting on ValR10 approval. |

Table 1: Process Strategy/Geier as of 06/13/07
Active Requests in order of priority (6 of 6)

| Production Request (PR) | Satellite | Production Strategy | Data Product (SS#) | PGEs | Data Dates | Special Status |
|--------------------------------|------------------|----------------------------|---------------------------|-------------|-------------------|-----------------------|
| M PR 2-06 | | GEOS4 | MOA (SS12) | 12.1P1 | Standing request | |
| M PR 1-06 | | GEOS4 | PMOA (SS9.1) | 9.1P1 | Standing request | |

Table 2: June 13, 2007 - System Issues and Status

| Activity | Lead | Status |
|----------|-------|--|
| CM | Ayers | <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) • Delivered the April 2007 Clouds S'COOL data file to the ASDC. (Saunders) • Installed, compiled, and tested the CERESlib delivery associated with SCCR 657 on <i>warlock</i> and <i>magneto</i> and released it to the ASDC. (Ayers) • Installed, compiled, and tested the Clouds delivery associated with SCCR 654 on <i>warlock</i> and released it to the ASDC. (Ayers) • Updated the Clouds Operator's Manual and Test Plan associated with SCCR 654 and delivered them to the ASDC. (Saunders) • Due to the conversion to NOMAD new email aliases have been created to replace cerescm@larc and ceresdoc@larc. The new aliases are larc-cerescm@lists.nasa.gov and larc-ceresdoc@lists.nasa.gov. (Ayers) • Updated the CERES Subsystem and Coefficients Delivery Schedules and posted them on the Web. (Ayers, Saunders) |

Table 3: CERES Subsystem Delivery Schedule - June 2007

| 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) |
|---------------------------|---|----------------------|-------------------------|---|--------------------------|------------|------------------------------|
| Inversion (659) | June 8 | June 22 | June 29 | Recompilation to support CERESlib update for MOA MERRA. Redelivery of 2P2. | | | <i>warlock</i> |
| TISA Averaging (SCCR 650) | March 30 | June 22 | June 29 | Support Terra Edition2E and Aqua Edition2B SRBAVG1-3 and Daily processing. | | X | <i>warlock & magneto</i> |
| GGEO (SCCR 653) | June 29 | July 13 | July 20 | Final coefficient delivery for 11/05 - 12/05. Initial coefficient delivery for 1/06 - 12/06. Code delivery to support Beta10 GGEO processing. | | | <i>warlock</i> |
| Instrument (SCCR 641) | July 6 | July 20 | July 27 | Delivery of simulated IES PGE to support TRMM VIRS-only processing. | | | <i>warlock & magneto</i> |
| CERESlib | August | | | New ADACOMP environment variable. | | | <i>warlock & magneto</i> |
| Instrument (SCCR 610) | August | | | To allow processing of both Edition2 and Edition3 data through PGE CER1.3P3 | X | | <i>warlock & magneto</i> |
| Clouds | Summer | | | Support TRMM VIRS-only processing of August 2001 forward. | | | <i>warlock</i> |
| Inversion | Summer - Two to four weeks after Clouds | | | Support TRMM VIRS-only processing. | | | <i>warlock</i> |

Table 3: CERES Subsystem Delivery Schedule - June 2007

| 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 | | Summer | | To support Terra Beta4 and Aqua Beta1 TSI processing. | | | <i>warlock</i> |
| Synoptic SARB | | Summer (month after TSI delivery) | | To support Terra Beta4 and Aqua Beta1 SYNI processing. | | | <i>warlock & magneto</i> |
| SARB | | Summer | | MATCH (collection 5) data files for May - December 2006. | | | <i>warlock & magneto</i> |
| TISA Averaging | | Fall | | To support Terra Beta4 and Aqua Beta1 AVG, ZAVG, and SYN processing. | | | <i>warlock</i> |
| SARB | | Fall | | MATCH (collection 5) data files for January - June 2007. | | | <i>warlock & magneto</i> |
| Clouds | | November | | Terra/Aqua Beta1 Edition3 SSF processing. | | | <i>warlock</i> |
| Inversion | | Two weeks after Clouds | | Terra/Aqua Beta1 Edition3 SSF processing. | X | | <i>warlock & magneto</i> |
| TISA Gridding | | Two weeks after Inversion | | Support Terra/Aqua Beta Edition3 SFC processing. | | | <i>warlock & magneto</i> |
| TISA Gridding | | ??? | | PMOA delta delivery dealing with overlap file checking. | | | <i>warlock</i> |

Table 4: CERES Coefficients Delivery Schedule - June 2007

| Subsystem | Preliminary Delivery Memo to CM | Delivery to CERES CM | Release to Langley DAAC | Reason for Delivery | Certified Platform(s) |
|--------------------------|---------------------------------|----------------------|-------------------------|--|-----------------------------|
| Instrument/ ERBE-like | N/A | Early Fall 2007 | | Terra Edition3 gains and spectral response function files for February 2000 - June 2005. | <i>warlock/ magneto</i> |
| Instrument/ ERBE-like | N/A | Early Fall 2007 | | Aqua Edition3 gains and spectral response function files for June 2002 - March 2005. | <i>warlock/ magneto</i> |
| Instrument/ ERBE-like | N/A | Fall 2007 | | Terra and Aqua Edition2 gains and spectral response function files January 2007 - ???. | <i>warlock/ magneto</i> |
| GGEO | Fall | Fall 2007 | | Final coefficients for 1/06 - 4/06. | <i>warlock</i> |
| Instrument/ ERBE-like | N/A | 2008 | | Terra Edition3 gains and spectral response function files for July 2005 - December 2005. | <i>warlock/ magneto</i> |
| Instrument/ ERBE-like | N/A | 2008 | | Aqua Edition3 gains and spectral response function files for April 2005 - December 2005. | <i>warlock/ magneto</i> |
| Instrument/ ERBE-like | ??? | | | TRMM Edition3 gains and spectral response function files for December 1997 - April 2000. | <i>warlock/ magneto</i> |

Table 5: SCCR Activity May 29 at 4:30 p.m. - June 11 at 12:00 p.m.

| SCCR | S | U | A | C | D | SS | Page No. | Comments |
|------|---|---|---|---|---|-----------|----------|------------------------|
| 603 | | | | | X | | | |
| 650 | | X | | | | 10 | 11 | |
| 654 | | | X | | | 4.1 - 4.4 | | |
| 656 | | | X | | | 12 | | CERESlib modifications |
| 657 | | | X | | | CERESlib | | |
| 658 | | | X | | | 4.1 4.4 | | |
| 659 | X | X | | | | 4.5 & 4.6 | 13 | |

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

CERES Software Configuration Change Request Submittal

Subsystem: TISAavg10.0

SCCR Date: 03/27/2007

SCCR Number: 650

Parameter Change: () YES (X) NO

Description of Change (Science):

Req#10-60 Update the daily TOA SW fluxes over the polar regions.

Req#10-61 Update the daily surface SW fluxes for model A and model B since there are regions the averages do not add up correctly

Req#10-62 Correct the use of the snow maps. + Start at -180 degrees instead of 0 degree.

Req#10-63 Update code to add SS8 code.

Req#10-64 Remove ISCCP-like SRBAVGs and create SRBAVG1,2,3 and SRBAVG-Daily1, Daily2

Req#10-65 Update LW model B code to match with the one in CERESlib

Req#10-66 Include the RAP mode for Terra processing

Reason for Change (Science):

To support the process of Edition2B Aqua and Edition2E Terra SRBAVGs

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: CER10.1P1, CER10.2P1, CER10.2P2

Estimated Time to Complete Change : 3 weeks

Planned Delivery Date : April 13, 2007

List Affected Subsystems and PGE Names: None

Date: 04/05/2007 Status: UNKNOWN

Originator: NGUYEN, CATHY (SSAI)

ADDITIONAL CHANGES TO SCCR NO. 650:

Parameter Change: () YES (X) NO

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

10.0P1 is based on 10.1P2 and 10.1P5.

10.0P2 is based on 10.1P1, 10.1P3, and 10.1P4.

10.0P3 is a new PGE.

Reason for Change (non-Science):

PGEs 10.1P2 and 10.1P5 are being consolidated into 10.0P1, the pre-processor.

PGEs 10.1P1, 10.1P3, and 10.1P4 are being consolidated into 10.0P2, the main processor.

PGE 10.0P3 is the new post-processor.

The previous numbering scheme was not sequential. The new numbers were selected to be consecutive and to not reuse any old PGE numbers.

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: CER10.0P1, CER10.0P2, CER10.0P3

Estimated Time to Complete Change : 1 week

Planned Delivery Date : June 8, 2007

List Affected Subsystems and PGE Names: None

Date & Time: 2007-06-05 11:51:00

Originator: NGUYEN, CATHY (SSAI)

CERES Software Configuration Change Request Submittal

Subsystem: Inversion4.5 SCCR Date & TIME: 2007-06-07 15:27:23 SCCR No.: 659

Parameter Change: () YES (X) NO

Description of Change (Science):
None

Reason for Change (Science):
None

Description of Change (non-Science):
Recompile of the following PGEs is needed to incorporate the CERESlib changes supporting MOA MERRA. CER4.5-6.1P2, CER4.5-6.1P3, CER4.5-6.3P2, CER4.5-6.3P3, CER4.5-6.6P2 and CER4.5-6.6P3.

Reason for Change (non-Science):
Recompile of PGEs to support CERESlib update for MOA MERRA.

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, CER4.5-6.3P2, CER4.5-6.3P3, CER4.5-6.6P2 and CER4.5-6.6P3.

Estimated Time to Complete Change : 1 day
Planned Delivery Date : 06/15/2007
List Affected Subsystems and PGE Names: Inversion CER4.5-6.1P2, CER4.5-6.1P3, CER4.5-6.3P2, CER4.5-6.3P3, CER4.5-6.6P2 and CER4.5-6.6P3.

Originator: SOTHCOTT, VICTOR E. (SSAI)

ADDITIONAL CHANGES TO SCCR NO. 659:

Parameter Change: () YES (X) NO

Description of Change (Science):

Change SCOOOL subsetter to use unnested grids for region determination instead of using the nested grids for region determination.

Reason for Change (Science):

The SCOOOLRegions file that contains the school listings, an input to the Inversion subsetter, uses unnested grids for its region determination. The unnested grids are determined to be better for the purposes of this particular region determination.

Description of Change (non-Science):

None

Reason for Change (non-Science):

None

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:

CER4.5-6.2P2

Estimated Time to Complete Change : 2 weeks

Planned Delivery Date : 06/22/2007

List Affected Subsystems and PGE Names: Inversion CER4.5-6.2P2

Date & Time: 2007-06-12 10:13:33

Table 6: June 13, 2007 - Subsystem Issues and Status (1 of 4)

| SS No. | SS Lead | Status | Problems |
|--------|---------|---|----------|
| 1.0 | Cooper | <ul style="list-style-type: none"> Edition3 updates are still being validated. It has been requested that the existing updates be extended through Dec. 2005. Work to determine a new method to determine the changes when only 1 instrument is available on a satellite is being worked. Transition of the current and new model to Dale and Peter is also taking place as Grant Matthews is moving to a new project this fall. (Cooper) Working to test the Instrument code on the Linux cluster has begun and hit a snag. The Ada compiler available on the Linux system is a 32-bit compiler; however, only a 64-bit version of the ToolKit and CERESlib are currently available on <i>magneto</i>. This has been turned over to ASDC and is being fixed. (Cooper) A test set of Aqua ephemeris and attitude data produced on a Linux system has been retrieved for testing to provide feedback to the producers. (Cooper) Work continues in testing the Perl scripts converted by Jim Donaldson for Instrument. A few little nits have been discovered and solutions have been found. A new CERESlib environment variable will be put into place before the August Instrument delivery to make it possible to have one Make script instead of separate scripts for each system. Approximately 50% of the scripts have been successfully tested and saved in the Instrument Subsystem code repository. (Cooper) | |

Table 6: June 13, 2007 - Subsystem Issues and Status (2 of 4)

| SS No. | SS Lead | Status | Problems |
|---------------|----------------|--|-----------------|
| 2.0 | Walikainen | <ul style="list-style-type: none"> • Edition3 testing continues. Processing nadir files through ERBE-like validation with new second time constants. Extended Terra seasonal months to May 2005. (Walikainen) • First run of SSF/ES8 validation code was successful. This will be our new validation standard. (Walikainen) • Updating ERBE-like validation web plots. Extending Terra Edition1-CV to May 2007. (Walikainen) • Continuing to examine QC checker email generated during production. (Walikainen) • Continuing to inspect ERBE-like Aqua and Terra output plots. (Walikainen) | |
| 3.0 | Walikainen | Combined with above. | |
| 4.1 | Sun-Mack | <ul style="list-style-type: none"> • Animated Gif images were created for ClearSky 0063m data for Terra-MODIS Edition2-QC (200003-200512) and Aqua-MODIS Edition1A (200207 - 200512). (R. Brown) • QC results for Weighted Zonal Cloud Amounts were generated and posted on the Web for all Terra Edition2-QC, Aqua Edition1A and FLASHflux data. (R. Brown) • Clouds Subsystem Delivery for SCCR #654 was delivered to CM. (R. Brown) • Worked on GLA09 diurnal cloud height for Oct-Nov 2006. (Chen, Sun-Mack) • Worked on cloud opacity study with MODIS, and will compare with Calipso. (Chen, Sun-Mack) • Worked on NEWS. (Chen, Sun-Mack) • Worked on VIRS diurnal cloud parameters. (Chen, Sun-Mack) | |
| 4.2 | Sun-Mack | Combined with above. | |
| 4.3 | Sun-Mack | Combined with above. | |

Table 6: June 13, 2007 - Subsystem Issues and Status (3 of 4)

| SS No. | SS Lead | Status | Problems |
|---------------|----------------|--|-----------------|
| 4.4 | Miller | <ul style="list-style-type: none"> • Worked on developing, coding, and testing parallax algorithm using CERES vectors. (Miller) • Discussed special processing with Mr. Zhonghai Jin, SSAI, to put MODIS imager channel 0.55 radiance on SSF for 20 days over Antarctica. He is doing a snow study for Dr. Charlock, CSB. (Miller) • Documented Estimated Inversion Stability software. (Miller) • Generated cookiedoughs for full day convolution testing on cluster. (Miller) | |
| 4.5 | Sothcott | <ul style="list-style-type: none"> • Attended weekly SOFA working group meetings. (Sothcott) • Continued work to debug SCOOL issue with missing data. Currently have determined two fixes and currently working to resolve other items of concern. (Sothcott) • Continued work to incorporate upgraded algorithms for LWA and LWB for the SOFA group. (Sothcott) | |
| 4.6 | Sothcott | Combined with above. | |
| 5.0 | Coleman | <ul style="list-style-type: none"> • On vacation. No new updates. | |
| 7.2 | Coleman | <ul style="list-style-type: none"> • Testing new changes for Beta4 SYNI. (Caldwell) | |
| 12.0 | Coleman | <ul style="list-style-type: none"> • No new updates. | |
| 7.1 | Nguyen | <ul style="list-style-type: none"> • Ran zone 45 of July 2002 without CERES SW data for Fred Rose to analyze. (Nguyen) | |
| 8.0 | Nguyen | <ul style="list-style-type: none"> • As per Moguo Sun's requests, SYN read program was modified to write Lat, long, day, hour and TOA fluxes information onto ascii files. Processed July and August 2005 data and outputs were made available to him. (Raju) • As per Dave Doelling's requests, checked July 2005 SYN Beta3 data and found data gaps in LW parameters. Sent the list of parameters that have gaps to Dave Doelling. For his requests, started checking Nov04 - Oct05 months. (Raju) | |

Table 6: June 13, 2007 - Subsystem Issues and Status (4 of 4)

| SS No. | SS Lead | Status | Problems |
|---------------------------|---------|--|----------|
| 10.0 | Nguyen | <ul style="list-style-type: none"> Ran March 2000 Terra FM2 with 1-hourly GGEO and 3-hourly GGEO data to include the night time flag for Moguo for further study. (Nguyen) Added the program to compute surface fluxes for the case where the cosine solar zenith angles greater than zero and the surface flux algorithms produced default surface fluxes. Ran January 2003 with the update surface flux algorithm for Dave Doelling to analyze. (Nguyen) Testing code on <i>warlock</i> and <i>magneto</i> to prepare for delivery. Having trouble in compiling HDF comparison C code on <i>magneto</i>. (Nguyen) | |
| 6.0 | Raju | <ul style="list-style-type: none"> No new updates. (Raju) | |
| 9.0 | Raju | <ul style="list-style-type: none"> Converted PGE 9.2 run scripts to perl. New scripts were set up to run jobs on cluster environment. Processed two hours of March 2003 data on cluster successfully. (Raju) | |
| 11.0 | Raju | <ul style="list-style-type: none"> No new updates. (Raju) | |
| CERESlib Coleman/Zentz | | <ul style="list-style-type: none"> No new updates. | |