

## March 9, 2005 - System Issues and Status

**Table 1: Process Strategy/Geier as of 03/09/05**  
**Active Requests in order of priority (1 of 4)**

Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
21-05 to 24-05	Terra	ValR5	BDS/ ERBELike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	4/04 and select, individual 2004 days	Done 2/28/05.
18-05	Terra	ValR6	ERBELike (SS2)	2.4P1	1/04 - 11/04	Must be rerun - wrong SRF delivered.
14-05 to 20-05	Terra	ValR6	BDS/ ERBELike (SS1-3)	1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 3.1P1 3.2P1	4/04 and select, individual 2004 days	ERBELike must be rerun - wrong SRF delivered.
10-05 to 13-05	Aqua	ValR5	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1	4/04 and select, individual 2004 days	Done 2/28/05.
8-05 to 9-05	Aqua FM3	ValR5	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 2.2P1	2/1/5	Done 2/28/05.
36-05, 37-05	Terra, Aqua	ValR5	BDS (SS1)	1.1P3 1.1P5	2/23/05 - 2/28/05	
35-05		ValR1	MOA (SS12)	12.1P1	12/04	
7-05	Terra	ValR7	TISA gridding (SS9)	9.2P1 9.3P1 9.4P1	12/03	<b>On HOLD until TISA gridding deliv- eries promote.</b>
6-05	Terra FM1 or FM2	ValR7	TISA gridding (SS6)	6.1P1 6.2P1 6.3P1	1/02, 7/02 4/01, 10/01	<b>On HOLD until TISA gridding deliv- eries promote.</b>

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Production Request (PR)	Satellite	Production Strategy	Data Product (SS#)	PGEs	Data Dates	Special Status
4-05	Aqua	ValR7	TISA gridding (SS9)	9.2P1 9.3P1 9.4P1	7/02 - 2/03	<b>On HOLD until TISA gridding deliveries promote.</b>
5-05	Terra FM1 or FM2	Edition2C	TISA gridding (SS6)	6.1P1 6.2P1 6.3P1	3/00 - 3/03	<b>On HOLD until TISA gridding deliveries promote.</b>
3-05	Aqua	Edition1B	TISA gridding (SS9)	9.2P1 9.3P1 9.4P1	7/02 - 7/1/03 hr 11	<b>On HOLD until TISA gridding deliveries promote</b>
1-05	Aqua	Beta1	CRS (SS5)	5.0P1 5.1P1 <del>5.4P1</del>	7/02 - 3/03	Process months for which MATCH data available. 2/16/05 PGE 5.4P1 cancelled - needs redelivery. Done 2/22/05.
Standing requests AM-PR 1-00 to 7-00	Terra	Edition1	BDS/ ERBELike (SS1-3)	1.1P3 1.2P1 1.3P1 1.3P2 2.1P1 2.2P1 2.3P1 2.3P2 3.1P1 <del>3.2P2</del>	For 1/05 - present	DO NOT PROCESS 3.2P2 - it is disabled.  <b>ON HOLD starting with 1/1/05 data. Subsystem requests that Instrument delivery to handle uploaded patch be promoted before any 2005 data processed.</b>
Standing requests PM-PR 7-03A to 10-03	Aqua	Edition1	BDS/ ERBELike (SS1-3)	1.1P5 1.2P1 1.3P1 1.3P2 2.2P1 2.3P1 2.3P2 3.1P1 <del>3.2P2</del>	For 11/04 - present	DO NOT PROCESS 3.2P2 - it is disabled.  <b>ON HOLD starting with 1/1/05 data. Subsystem requests that Instrument delivery to handle uploaded patch be promoted before any 2005 data processed. Patch to FM3 to go in 2/1/05; all other patches in 3/1/05.</b>

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PRs 29-05 to 34-05 (repeated in standing request AM- PR 8A-02 to 11-02)	Terra	Edition2	BDS/ ERBELike (SS1-3)	1.2P1 1.3P3 2.2P1 2.3P1 2.3P2 2.4P1 3.1P1 <del>3.2P2</del>	For 1/04 - 11/04	<b>HOLDING - waiting for associated ValR5 to run.</b>  DO NOT PROCESS 3.2P2 - it is disabled.
Standing requests PM- PR 11-03, 13-03 to 17-03	Aqua	Edition2	BDS/ ERBELike (SS1-3)	1.3P3 1.2P1 2.2P1 2.3P1 2.3P2 2.4P1 3.1P1 <del>3.2P2</del>	For 8/04 - present	<b>HOLDING - waiting for associated ValRx to run.</b>  DO NOT PROCESS 3.2P2 - it is disabled.
Standing request PM-PR 12-03	Aqua/ Terra	Edition2	ES4/ES9 (SS3)	3.2P1	For 1/04 - 7/04	<b>HOLDING - waiting for both Terra and Aqua to have processed Edition2 data beyond 1/04.</b>
PR 28-05	Terra	Edition2-QC	Clouds (SS4.1)	4.1-4.1P2 4.1-4.2P1 4.1-4.2P2 4.1-4.3P1	1/04 - 11/04	Extend current Terra Cloud run as soon as inputs available.
PR 27-05	Terra	Edition2B	Inversion (SS4.5)	4.5-6.1P2 4.5-6.2P2 4.5-6.4P1	1/04 - 11/04	Extend current Terra SSF run as soon as inputs available.
PR 26-05	Terra	Edition2C	SFC (SS9)	9.2P1 9.3P1 9.4P1	12/31/03 - 11/1/04	Extend current Terra SFC run as soon as inputs available. Do not process Nov'04 until 12/1/04 available.
PR 25-05	Aqua	Beta1	FSW (SS6)	6.1P1 6.2P1 6.3P1	7/02 - 3/03	<b>HOLDING - waiting for delivery to promote and resource availability.</b>
M-PR 3-02		NSIDC- NESDIS	EICE ESNOW (SS4.1)	4.1-4.0P1	Standing request	

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<b>Production Request (PR)</b>	<b>Satellite</b>	<b>Production Strategy</b>	<b>Data Product (SS#)</b>	<b>PGEs</b>	<b>Data Dates</b>	<b>Special Status</b>
M PR 2-04		GEOS4	MOA (SS12)	12.1P1	1/05 - present	<b>HOLDING - waiting for delivery to promote.</b>
M PR 1-04		GEOS4	PMOA (SS9.1)	9.1P1	1/05 - present	

**Table 2: Process Strategy/Geier as of 03/09/05  
Coming Soon (1 of 2)**

Active Month	Satellite	Processing Strategy	Data Product (SS#)	Data Dates	Comments
4/05	Terra	ValRx	SRBAVG (SS10)	3/00 - 2/03	Waiting on delivery.
	Terra	Edition2D	SRBAVG (SS10)	3/00 - 2/03	
	Aqua	ValRx	SRBAVG (SS10)	7/02 - 2/03	
	Aqua	Edition1B	SRBAVG (SS10)	7/02 - 2/03	
		ValR11	GGEO (SS11)	3/03 - 6/03	Requires redelivery to handle GOES-9 and GOES-12; requires coefficients.
	Terra	ValRx	SRBAVG (SS10)	3/03 - 6/03	Waiting on GGEO and TISAavg deliveries.
	Aqua	ValRx	SRBAVG (SS10)	3/03 - 6/03	
		Edition2A	GGEO (SS11)	3/03 - 6/03	ValR11 must be approved.
	Terra	Edition2D	SRBAVG (SS10)	3/03 - 6/03	
	Aqua	Edition1B	SRBAVG (SS10)	3/03 - 6/03	
unkn		ValR11	GGEO (SS11)	? months	7/03 - 6/04; requires coefficients.
		Edition2A	GGEO (SS11)	7/03 - 6/04	
	TRMM	Beta4	TSI (SS7.1)	9 months	Not on Bruce's schedule.
	Terra	Beta3	TSI (SS7.1)	12 months	Not on Bruce's schedule.
	TRMM	Beta4	Synoptic SARB (SS7.2)	9 months	Not on Bruce's schedule.
	Terra	Beta3	Synoptic SARB (SS7.2)	12 months	Not on Bruce's schedule.
	TRMM	Beta4	SYN/AVG/ ZAVG (SS8)	9 months	Not on Bruce's schedule.

**Table 2: Process Strategy/Geier as of 03/09/05  
Coming Soon (2 of 2)**

<b>Active Month</b>	<b>Satellite</b>	<b>Processing Strategy</b>	<b>Data Product (SS#)</b>	<b>Data Dates</b>	<b>Comments</b>
	Terra	Beta3	SYN/AVG/ ZAVG (SS8)	12 months	Not on Bruce's schedule.
	Aqua	Beta1	TSI (SS7.1)		Not on Bruce's schedule.
	Aqua	Beta1	Synoptic SARB (SS7.2)		Not on Bruce's schedule.
	Aqua	Beta1	SYN/AVG/ ZAVG (SS8)		Not on Bruce's schedule.

**Table 3: March 9, 2005 - System Issues and Status**

<b>Activity</b>	<b>Lead</b>	<b>Status</b>
CM	Ayers	<ul style="list-style-type: none"><li>• See Table 4 for the current CERES Subsystem Delivery Schedule. (Ayers)</li><li>• See Table 5 for SCCR activity since the last DMT meeting. SCCRs that need to be reviewed follow Table 5. (Ayers)</li><li>• Tested Regrid MOA (SCCR 577) and released it to the ASDC. (Saunders, Ayers)</li><li>• Delivered the January 2005 Clouds S'COOL data file to the ASDC. (Saunders)</li><li>• Updated the CERES Subsystem Delivery Schedule and posted it on the CERES CM Web site. (Ayers, Saunders)</li></ul>

**Table 4: CERES Subsystem Delivery Schedule - March 2005**  
**(Next CERES Science Team Meeting - May 3 - 5, 2005 in Princeton, NJ)**

Subsystem	Preliminary Delivery Memo to CM	Delivery to CERES CM	Delivery to Langley DAAC	Reason for Delivery	CERESlib Delivery Needed	New PGE(s)
Instrument (SCCR 579)	March 7	March 7	March 11	Delivery of supplemental code to allow the ASCII file generator to determine if an EOS Level-0 file contains at least 5 records.		
TISA Averaging	March 11 - March 18			Terra Edition2D SRBAVG needed for Science Team Meeting.		
Instantaneous SARB	February 25	March 11	March 18	Delta delivery of PGE CER5.4P1.		
GGEO (SCCR 553)	March 4	March 18	March 25	Delivery to handle GOES-9 and GOES-12, new McIDAS format and processing data beyond March 2003.		X
Inversion (SCCR 578)	February 4	Mid-March		To run Terra alternate main on a daily basis.		X
Instrument	Mid-April			Aqua gains.		
ERBE-like	Mid-April			Aqua spectral response function files.		
Clouds	Spring			Support TRMM VIRS-only processing of August 2001 forward.		
Clouds	???			To process MODIS V005. Delivery needs to be made just before delivery of July 2005 Terra gains and spectral response function files.		

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**Table 5: SCCR Activity February 22 at 11:30 a.m. - March 7 at 5:00 p.m.**

SCCR	S	U	A	C	D	SS	Page No.	Comments
553		X	X			11	9	
568		X			X	4.5 & 4.6	11	
577			X			12	12	
578	X	X	X			4.5 & 4.6	13	
579	X		X			1	14	

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

**CERES Software Configuration Change Request Submittal**

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Subsystem: GGEO

SCCR Date: 08/16/2004

SCCR Number: 553

**Description of Change (Science):**

1. Add infrared channel satellite-specific base calibration coefficient information to the CSU CIRA B1 data read software for GOES-9, GOES-10 and GOES-12.
2. Add readjustment calibration information for the 2003 and 2004 data for all satellites.

**Reason for Change (Science):**

1. The existence of satellite-specific values was discovered while upgrading the inherited code for GOES-12 processing. The defaults values used for all previous production GOES-9 and GOES-10 processing are very close to the satellite-specific values for those satellites.
2. The calibration information needs to be updated for further processing.

**Description of Change (non-Science):**

1. Modify the CSU CIRA read software to work to correctly process the GOES-12 infrared channel data.
2. Add software to read input data for a standard McIdas format which is being created for the new GOES-9 data and which will eventually be used for data from all the satellites.

**Reason for Change (non-Science):**

1. The channel order of the infrared bias and gain scaling factors on the GOES-12 data files was changed to match the channel order of the data on the files.
2. This is needed to read the GOES-9 data starting April 2004.

Affected PGEs : GGEO PGEs CER11.1P1-8

Est. Time to Complete Changes: will try to be ready by end of the week

Planned Delivery Date : Friday August 20, 2004

Impact : needed for further processing of GGEO data

Date: 08/25/2004 Status: APPROVED

Originator: STASSI, JOE C. (SAIC)

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#### ADDITIONAL CHANGES TO SCCR NO. 553:

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##### Description of Change (Science):

1. A new PGE, CER11.6P1, has been added to weed out bad data from the GGEO output file (i.e. it removes bad data rather than attempting to correct them). This PGE will also recreate the Web plots for any image which has been altered.
2. A new PGE, CER11.1P10, has been added to process the McIDAS flat file GEO data.
3. The GGEO subsystem now carries its own version of the Clouds subsystem code rather than linking into the files in the Clouds subsystem directories.

##### Reason for Change (Science):

1. It is difficult to detect bad GEO input data before they get processed. This PGE provides a way to quickly remove the bad data without having to perform lengthy reruns. It can also surgically remove a portion of an image rather than the entire image, if the bad data is isolated to only a certain area of the image.
2. The GEO data from all satellites is being put into a common McIDAS format rather than being received in the former varied formats.
3. Changes to the Clouds code were causing disruptions to GGEO.

##### Description of Change (non-Science):

1. Several changes have been made to the CER11.4P1 cloudplot PGE source code. These changes include the following: (a) The scratch data for cldamt, optdpth, and cldtemp are now written to a single scratch data file rather than to individual files. Region location and angle information have also been added to the record. (b) The PCF generator scripts were modified to check for the existence of the GGEO input file. (c) The code was corrected to store julian data in a REAL8 variable instead of a REAL4 variable.
2. A perl script was written to select 3-hourly synoptic inputs from the one-hourly McIDAS flat files.
3. The satellite\_info module was modified to keep track of the different satellites without associating satellite names to longitude locations.

##### Reason for Change (non-Science):

1. (a) This change was requested by the TISA scientists. (b) The generator script attempts to access the metadata of the GGEO input, and it fails ugly if the file is not available. (c) REAL8 precision is needed for julian date. The roundoff due to conversion to REAL4 was causing crude time comparisons.
2. The McIDAS flat files are being received as one-hourly data, but the production version of GGEO is still processing in 3-hourly synoptic mode.
3. Both the METEO-5 and the GOES-9 satellites have been moved, and the old structure of the code was getting too complicated.

Affected PGEs : all GGEO PGEs

Est. Time to Complete Changes: The code changes are complete.

Planned Delivery Date : either today or after March 13

Impact : changes are needed for further GGEO processing.

Date & Time: 2005-03-03 10:00:02

Originator: STASSI, JOE C. (SAIC)

CERES Software Configuration Change Request Submittal

Subsystem: Inversion

SCCR Date: 11/18/2004

SCCR Number: 568

Description of Change (Science):

New PGE CER4.5-6.6P2 which will create 1 day (24 hours) of Terra Edition2B SSF data. The only difference between the data created by hourly PGE CER4.5-6.3P2 and the new daily PGE is that metadata values CERHrofDay and CERHrOfMonth will not be created using the new PGE.

Reason for Change (Science):

Metadata parameters CERHrofDay and CERHrOfMonth are read from a fixed location (ID) the PCF file by the metadata software in CERESlib and the new PGE would need different IDs for each of the 24 hours processed in order to create these metadata parameters.

Description of Change (non-Science):

New PGE CER4.5-6.6P2 which will create 1 day (24 hours) of Terra Edition2B SSF data. The SSF results of this PGE will be the same as running hourly PGE CER4.5-6.3P2 for 24 hours.

Reason for Change (non-Science):

To allow the creation of more SSF data each day by using fewer jobs at the ASDC.

Affected PGEs : None

Est. Time to Complete Changes: 2 weeks

Planned Delivery Date : December 3, 2004

Impact : None

Date: 11/24/2004 Status: APPROVED

Originator: NOLAN, SANDY K. (SAIC)

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ADDITIONAL CHANGES TO SCCR NO. 568:

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Description of Change (Science):

n/a

Reason for Change (Science):

n/a

Description of Change (non-Science):

The information in this SCCR will be moved to SCCR 578. A request has been made to disapprove SCCR 568

Reason for Change (non-Science):

This SCCR has been open for several months and Inversion documents have since been updated and identified with later SCCR numbers. It will be less confusing if the documents associated with this delivery have SCCR 578

Affected PGEs : CER4.5-6.6P2

Est. Time to Complete Changes: n/a

Planned Delivery Date : n/a

Impact : n/a

Date & Time: 2005-03-02 11:49:34

Originator: NOLAN, SANDY K. (SAIC)

## CERES Software Configuration Change Request Submittal

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Subsystem: MOA

SCCR Date & TIME: 2005-02-16 09:45:11

SCCR No.: 577

Description of Change (Science):

None

Reason for Change (Science):

None

Description of Change (non-Science):

Added new input production strategy for the RegridMOA subsystem.

Reason for Change (non-Science):

To allow output files to have names that are independent of the primary input data source.

Affected PGEs : 12.1P1

Est. Time to Complete Changes: 2 weeks

Planned Delivery Date : March 4, 2005

Impact : None

Originator: CALDWELL, THOMAS E. (SAIC)

## CERES Software Configuration Change Request Submittal

Subsystem: Inversion

SCCR Date: 03/02/2005

SCCR Number: 578

### Description of Change (Science):

Daily Terra PGE 4.5-6.6P2 was modified to spectrally correct the filtered radiances and replace unfiltered radiances on the SSF.

### Reason for Change (Science):

Spectral correction may be needed in the future for the Inversion-only PGEs.

### Description of Change (non-Science):

A second test case (FM2) for CER4.5-6.6P2 was added to the Inversion Test Plan

### Reason for Change (non-Science):

New requirement that Test Plan test data from all Instruments

Affected PGEs : CER4.5-6.6P2

Est. Time to Complete Changes: 2 weeks

Planned Delivery Date : March 18, 2005

Impact : none

Date: 03/02/2005 Status: SUBMITTED

Originator: NOLAN, SANDY K. (SAIC)

### ADDITIONAL CHANGES TO SCCR NO. 578:

### Description of Change (Science):

From SCCR 568:

New PGE CER4.5-6.6P2 which will create 1 day (24 hours) of Terra Edition2B SSF data. The only difference between the data created by hourly PGE CER4.5-6.3P2 and the new daily PGE is that metadata values CERHrofDay and CERHrOfMonth will not be created using the new PGE.

### Reason for Change (Science):

It is less confusing to have documentation associated with this delivery use SCCR 578.

From SCCR 568:

Metadata parameters CERHrofDay and CERHrOfMonth are read from a fixed location (ID) the PCF file by the metadata software in CERESlib and the new PGE would need different IDs for each of the 24 hours processed in order to create these metadata parameters.

### Description of Change (non-Science):

From SCCR 568:

New PGE CER4.5-6.6P2 which will create 1 day (24 hours) of Terra Edition2B SSF data. The SSF results of this PGE will be the same as running hourly PGE CER4.5-6.3P2 for 24 hours.

### Reason for Change (non-Science):

From SCCR 568: To allow the creation of more SSF data each day by using fewer jobs at the ASDC

Affected PGEs : CER4.5-6.6P2

Est. Time to Complete Changes: n/a

Planned Delivery Date : March 18, 2005

Impact : none

Date & Time: 2005-03-02 11:56:27

Originator: NOLAN, SANDY K. (SAIC)

CERES Software Configuration Change Request Submittal

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Subsystem: Instrument

SCCR Date & TIME: 2005-03-05 13:33:15

SCCR No.: 579

Description of Change (Science):

N/A

Reason for Change (Science):

N/A

Description of Change (non-Science):

- 1) Add code to read the EOS Construction Record
- 2) Update environment scripts to point to the added Construction Record reader

Reason for Change (non-Science):

- 1) SCCR #573 added a call to the Construction Record reader to avoid staging Level-0 files with less than 5 records, which cause the subsystem to end with an error. The existing binary on warlock is no longer working, so it was decided that we should deliver the code with the instrument subsystem.
- 2) The path set in the environment scripts needed to be changed to point to the binary in the Subsystem, rather than to the area on warlock.

Affected PGEs : CER1.1P3, CER1.1P5

Est. Time to Complete Changes: 2 days

Planned Delivery Date : March 8, 2005

Impact : No impact, since the delivery for SCCR #573 has not yet been promoted to production

Originator: COOPER, DENISE L. (SAIC)

**Table 6: March 9, 2005 - Subsystem Issues and Status (1 of 5)**

SS No.	SS Lead	Status	Problems
1.0	Cooper	<ul style="list-style-type: none"> <li>Continued monitoring receipt of Aqua and Terra Level-0, Ephemeris, and Attitude data at the ASDC. (Cooper &amp; Snyder)</li> <li>A delivery to include the EOS Construction Record reader as part of the Instrument Subsystem was delivered to CERES CM. The existing code on warlock is not working, so it was decided that it should be delivered as part of the Instrument Subsystem, since warlock is no longer used for ingest, so the software is not needed on warlock for ASDC. The code not working is causing the Instrument Subsystem to neglect processing diagnostic data (BDSDs). (Cooper)</li> <li>Continuing to investigate Sun impingement on detector filters. (Hess &amp; Matthews)</li> </ul>	
2.0	Walikainen	<ul style="list-style-type: none"> <li>Checking ValR5s and ValR6s for recent Terra delivery. (Walikainen)</li> <li>Discovered a beta angle fit for direct compare data. The fit is proportional to the beta angle and has a linear time dependence. A separate fit has been applied to FM1/FM2 and FM3/FM4. The fits produce the same trends as the SWflux all-sky, Edition1 Aqua and Edition2 Terra. (Walikainen)</li> <li>Discovered peaks in the night time LW flux all-sky direct compare. This was detected by applying a daily direct comparison; with the monthly direct compare this was undetectable. These peaks have several features: (1) inversely proportional to the beta angle, (2) not noticeable below <math>20.5^{\circ}</math>, (3) only noticeable in Aqua, (4) confined to the solar zenith angles of <math>100^{\circ}</math> and <math>115^{\circ}</math>, (5) only found during the satellite's descent into sunset and (6) when one instrument is in FAPS. Started a daily direct compare solar zenith binned look at all the data including Terra. (Walikainen)</li> <li>Determining spectral response functions for Edition 2 Aqua Aug-Dec 04. (Walikainen)</li> </ul>	

**Table 6: March 9, 2005 - Subsystem Issues and Status (2 of 5)**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
2.0	Walikainen (Cont'd)	<ul style="list-style-type: none"> <li>Continuing to examine the production email generated by the QC checker software. (Walikainen)</li> <li>Continuing to inspect ERBE-like Aqua and Terra output plots and QC reports on the Web. (Walikainen)</li> </ul>	
3.0	Walikainen	Combined with above.	
4.1	Sun-Mack	<ul style="list-style-type: none"> <li>Processed CloudVis images for the San Nicolas Islands and Bermuda regions for TRMM VIRS Edition2 VIRS only from January 2000 through April 2000. CloudVis images were also processed for Terra MODIS Edition2-QC data for the Southeast Asia region from February 2000 through September 2002. CloudVis images were also processed for Aqua Edition1A data for the Marie Byrd Land region from January 2003 through June 2003. (R. Brown)</li> <li>Processed S'COOL file with complete list of overpasses and delivered file to Inversion. (R. Brown)</li> <li>Ordered 4 years of Terra-MOD08 data. Processed all 4 years of Terra-MOD08 data. Did time series comparisons between CERES and MODIS on all possible cloud properties separated by ocean/land/total, day/night/day-night-total, and 12 latitude zones. Thumbnailed the results on the Clouds Web. Pat Minnis indicated that this page was very informative and was pleased about it. (Chen, R. Brown, &amp; Sun-Mack)</li> <li>Pat has asked to re-write vint code. Started initial stage of re-writing the code: staring at the code. (Sun-Mack)</li> <li>Pat has asked to communicate with Wisconsin people and get the latest CO2 slicing code. Got the code and more work to do. (Sun-Mack)</li> </ul>	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	



**Table 6: March 9, 2005 - Subsystem Issues and Status (3 of 5)**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.4	Miller	<ul style="list-style-type: none"> <li>Started processing a day of combined CERES/MODIS/MISR data. Modified software to handle MISR data in orbit files (loosen hour restriction) and resolve issue of gaps in both SSF and MISR data. (Miller)</li> <li>Created daily SSF binary QC files for Terra FM-2 Edition2B. Started creating files for Aqua FM-3. (Miller)</li> <li>Generated Histogram of clear area for entire period of Terra FM1. Started creating graphics to view data using Excel. (Miller)</li> </ul>	
4.5	Nolan	<ul style="list-style-type: none"> <li>Continued work to modify PGE CER4.5-6.2P2 to include an SSF validation subset which contains S'COOL sites. (Sothcott)</li> <li>Delivered Draft SSF Description Abstract to Tomeka Watkinson at the ASDC. (Sothcott)</li> <li>Completed work to extract Aqua FM3 daytime and nighttime SSF subsets from the ASDC archive and place the files in the CERES archive using NLstore. Eight months of FM3 Edition1B SSF subsets were archived. (Snyder)</li> <li>Completed work to create lists of SSF FM3 subset stored on the CERES archive for both daytime and nighttime subsets in FAPS, RAPS, and Along-track modes. (Snyder)</li> <li>Initiated work to extract Aqua FM4 daytime and nighttime SSF subsets from the ASDC archive and place the files in the CERES archive using NLstore. One month of FM4 Edition1B SSF subsets were archived. (Snyder)</li> <li>Updated Terra PGE CER4.5-6.6P2 to include spectral correction. Updated Inversion Test Plan to include FM2 test case for CER4.5-6.6P2. Created tar files (SCCR 578). Delivered tar files and updated Test Plan to CERES CM on March 8, 2005. (Nolan)</li> <li>Tested PGE CER4.5-6.6P2 delivery tar files. (Snyder)</li> </ul>	

**Table 6: March 9, 2005 - Subsystem Issues and Status (4 of 5)**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
4.5	Nolan (Cont'd)	<ul style="list-style-type: none"> <li>Updated Inversion Operator's manual to include Spectral Correction Coefficient input files for CER4.5-6.6P2. Delivered updated manual to CERES Documentation on March 4, 2005. (Nolan)</li> </ul>	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> <li>Continuing to implement and test Jim Donaldson's Open Source changes. The changes to 13 out of 18 Fortran modules have been made. (Zentz &amp; Caldwell)</li> <li>Preparing PGE CER5.4P1 (Monthly QC Summary Post-Processor) for delivery. (Caldwell)</li> </ul>	
7.2	Coleman	<ul style="list-style-type: none"> <li>Executing test runs using new version of SARBlib that contains Jim Donaldson's changes. Investigating minor differences in a few records. (Zentz &amp; Caldwell)</li> </ul>	
12.0	Coleman	<ul style="list-style-type: none"> <li>Delivered Regrid MOA Subsystem to CM. (Caldwell)</li> </ul>	
7.1	Nguyen	<ul style="list-style-type: none"> <li>No new updates.</li> </ul>	
8.0	Nguyen	<ul style="list-style-type: none"> <li>No new updates.</li> </ul>	
10.0	Nguyen	<ul style="list-style-type: none"> <li>Complete phase 1 which creates the clear-sky overhead albedos from nonGEO data. (Nguyen)</li> <li>Work with Dave Doelling in validating the clear-sky GGEO TOA albedos. Several runs were made to check the outputs. (Nguyen)</li> </ul>	
6.0	Raju	<ul style="list-style-type: none"> <li>No new updates.</li> </ul>	
9.0	Raju	<ul style="list-style-type: none"> <li>As a part of Subsystem 6 delivery (SCCR 575), TISA Gridding environment scripts were updated to test FM1, FM2. This caused problems for Subsystem 9 PGEs during SCCR 571 testing according to the Test Plan. To correct the problem, new environment scripts were set up for each PGE and satellite. Scripts were sent to CM. (Raju)</li> <li>Test plan was updated to include script names, and the document was sent to CM. (Raju)</li> </ul>	

**Table 6: March 9, 2005 - Subsystem Issues and Status (5 of 5)**

<b>SS No.</b>	<b>SS Lead</b>	<b>Status</b>	<b>Problems</b>
11.0	Stassi	<ul style="list-style-type: none"><li>• Downloading the McIDAS data for July 2002 from tape archive to /CERES/tisa_avg-a and using the Nearline File Storage tools to store the data for later GGEO process. (Nguyen &amp; Raju)</li></ul>	
CERESlib Stassi/Ayers		<ul style="list-style-type: none"><li>• No updates.</li></ul>	