Clouds and the Earth's Radiant Energy System (CERES)

Data Management System

Operator's Manual

CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages and CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product (Subsystems 6.0 and 9.0)

CER6.1P1, CER6.2P1, CER6.3P1, CER9.0P1, CER9.1P1, CER9.2P1, CER9.3P1, CER9.4P1

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The Document Revision Record contains information pertaining to approved document changes. The table lists the date the Software Configuration Change Request (SCCR) was approved, the Release and Version Number, the SCCR number, a short description of the revision, and the revised sections. The document authors are listed on the cover. The Head of the CERES Data Management Team approves or disapproves the requested changes based on recommendations of the Configuration Control Board.

Document Revision Record

SCCR Approval Date	Release/ Version Number	SCCR Number	Description of Revision	Section(s) Affected
09/25/01	R3V3	298	• Updated Sample Input file listings for CER6.1,CER6.2, and CER6.3. • Updated format to comply with standards.	Apps. C.1, C.2, C.3 All
03/15/02	R3V4	326	• Updated Expected Output File Listing table for each PGE to include log, PCF file names. • Updated format to comply with standards.	Apps. C.1.6, C.2.6, C.3.6, C.4.6, C.5.6, C.6.6, C.7.6 All
10/04/02	R3V5	388	• Added Input Dataset, SSFA, to Processor Dependencies for PGE CER9.2P1. • Updated format to comply with standards.	5.3.2 All
12/02/02	R3V6	403	• Added new CCcodes for PGEs CER9.4P1, and CER6.3P1. • Updated format to comply with standards.	3.2, 3.3, 3.4, 3.5, 3.6, 7.2, 7.3, 7.4, 7.5, 7.6 All
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02/10/03	R3V8	423	• Updated number of generated hdf files from 36 to 60 for Terra processing. • Updated format to comply with standards.	3.6 All
10/29/03	R3V9	476	• Added overlap input file information. • Updated Total Run time according to the DAAC estimates. • Updated format to comply with standards.	1.3, 1.6, 2.3 3.2 All
06/04/04	R4V1	535	• Added additional overlap file processing information.	1.3, 1.6, 2.3, 5.3, 5.6, 6.3

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06/04/04 (Cont'd)	R4V1	535	• Updated production script names since each PGE now has a separate script.	1.4, 1.4.3, 2.4, 2.4.3, 5.4, 5.4.3, 6.4, 6.4.3
			• Updated Total Run times according to the DAAC estimates.	1.2.4, 2.2.4, 3.2.4, 5.2.4, 6.2.4, 7.2.4
			• Added a footnote to overlap files.	1.6
			• Updated overlap file description.	5.3.2 & 5.3.4
			• Added overlap file information.	5.6
			• Updated overlap input file names.	App. C.6
			• Added inversion SS, PS, CC codes.	1.2.2
			• Updated overlap file information.	1.3.2,1.3.4, 2.3.2, 5.3.2, 5.3.4, 6.3.2
			• Included more detail description for MOVLP files.	5.6
			• Included number of hdf files for Aqua process.	7.6
			• Updated format to comply with standards.	All
11/04/04	R4V2	565	• Added separate Production Strategy, Configuration Code environment variables for PGE(s) CER9.2P1, CER9.3P1, and CER9.4P1.	5.2.2, 5.4, 5.6, 5.7, 6.2.2, 6.3 - 6.7, 7.2.2, 7.3-7.6
			• Updated format to comply with standards.	All
11/29/04	R4V3	571	• Separate environment variable scripts were created for each TISA Gridding PGE.	1.2, 1.4, 2.2, 2.4, 3.2, 3.4, 4.2, 4.4, 5.2, 5.4, 5.5, 5.6, 6.2, 6.3, 6.4, 7.2, 7.4, 7.5, 7.6
			• Updated format to comply with standards.	All
09/15/05	R4V4	594	• Added two flags (manualrun, testrun) to environment variable scripts.	2.2,3.2, 6.2,7.2
			• Added additional overlap file processing information.	4.3.1, 4.3.2
			• Updated input, output data set file sizes.	1.3, 1.6, 2.3, 2.6, 3.3, 3.6, 4.3, 4.6, 5.3, 5.6, 6.3, 6.6, 7.3, 7.6

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09/15/05 (Cont'd)	R4V4	594	• Updated format to comply with standards.	All
04/03/08	R5V1	672	• Added new section to include new PGE CER9.0P1 processing information.	4.0 & C.4
10/21/08	R5V2	684	• Updated PGE CER9.1 to reflect the directory structure changes. • Changed directory path.	5.0 & Table 5-6 Sec. C.5 (App. C)
10/21/08	R5V3	685	• Updated PGEs 6.1P1 – 6.3P1 and 9.2P1 – 9.4P1 to reflect the directory structure changes.	Sec 1.0 – 3.0 and 6.0 – 8.0

Preface

The Clouds and the Earth's Radiant Energy System (CERES) Data Management System supports the data processing needs of the CERES Science Team research to increase understanding of the Earth's climate and radiant environment. The CERES Data Management Team works with the CERES Science Team to develop the software necessary to support the science algorithms. This software, being developed to operate at the Langley Atmospheric Sciences Data Center (ASDC), produces an extensive set of science data products.

The Data Management System consists of 12 subsystems; each subsystem represents one or more stand-alone executable programs. Each subsystem executes when all of its required input data sets are available and produces one or more archival science products.

This Operator's Manual is written for the data processing operations staff at the Langley ASDC by the Data Management Team responsible for this Subsystem. Each volume describes all Product Generation Executables for a particular subsystem and contains the Runtime Parameters, Production Request Parameters, the required inputs, the steps used to execute, and the expected outputs for each executable included within this Subsystem. In addition, all subsystem error messages and subsequent actions required by the ASDC operations staff are included.

Acknowledgment is given to Yvonne M. Seaman and Waldena Banks of Science Applications International Corporation (SAIC) for their support in the preparation of this document and to Maria Vallas Mitchum, NASA Langley Research Center, and Sandra K. Nolan, SAIC, for structuring the manual guidelines and organization.

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Introduction

The Clouds and the Earth's Radiant Energy System (CERES) is a key component of the Earth Observing System (EOS). The CERES instrument provides radiometric measurements of the Earth's atmosphere from three broadband channels: a shortwave channel (0.3 - 5 μm), a total channel (0.3 - 200 μm), and an infrared window channel (8 - 12 μm). The CERES instruments are improved models of the Earth Radiation Budget Experiment (ERBE) scanner instruments, which operated from 1984 through 1990 on the National Aeronautics and Space Administration's (NASA) Earth Radiation Budget Satellite (ERBS) and on the National Oceanic and Atmospheric Administration's (NOAA) operational weather satellites NOAA-9 and NOAA-10. The strategy of flying instruments on Sun-synchronous, polar orbiting satellites, such as NOAA-9 and NOAA-10, simultaneously with instruments on satellites that have precessing orbits in lower inclinations, such as ERBS, was successfully developed in ERBE to reduce time sampling errors. CERES continues that strategy by flying instruments on the polar orbiting EOS platforms simultaneously with an instrument on the Tropical Rainfall Measuring Mission (TRMM) spacecraft, which has an orbital inclination of 35 degrees. In addition, to reduce the uncertainty in data interpretation and to improve the consistency between the cloud parameters and the radiation fields, CERES includes cloud imager data and other atmospheric parameters. The CERES instruments fly on the TRMM spacecraft, on the EOS-AM platforms and on the EOS-PM platforms. The TRMM satellite carries one CERES instrument while the EOS satellites carry two CERES instruments, one operating in a fixed azimuth scanning mode and the other operating in a rotating azimuth scanning mode.

Document Overview

This document, CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages and CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystems 6.0 and 9.0 Release 3 Operator's Manual, is part of the CERES Subsystems 6.0 and 9.0 Release 3 delivery package provided to the Langley Atmospheric Sciences Data Center (ASDC). It provides a description of the CERES Time Interpolation and Spatial Averaging (TISA) Gridding Release 3 software and explains the procedures for executing the software. A description of acronyms and abbreviations is provided in Appendix A, a comprehensive list of messages that can be generated during the execution of Product Generation Executives (PGE), CER6.1P1, CER6.2P1, CER6.3P1, CER9.1P1, CER9.2P1, CER9.3P1, and CER9.4P1, are contained in Appendix B, and Sample ASCII (PCFin) File Listings are provided in Appendix C.

This document is organized as follows:

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2.0 PGEName: CER6.2P1
3.0 PGEName: CER6.3P1
4.0 PGEName: CER9.0P1
5.0 PGEName: CER9.1P1

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Appendix A - Acronyms and Abbreviations
Appendix B - Error Messages
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Subsystem Overview

CER6.1P1 - CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Main Processor

The Subsystem 6.0 Main Processor grids and spatially averages the footprint data from the CERES Single Satellite CERES Footprint Radiative Fluxes and Clouds (CRS) data product. The footprints are assigned to a regional hour box based on the Greenwich mean time (GMT) associated with the footprint. The footprints in each regional hour box are averaged together and written to an hourly Gridded Single Satellite Fluxes and Clouds (FSW) intermediate product.

CER6.2P1 - CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Postprocessor

The Subsystem 6.0 Postprocessor sorts and merges the hourly FSW intermediate products for a given month to produce a monthly FSW data product. The monthly FSW data product is organized in 180 zonal files which contain regional hour boxes sorted by region and then by hour. The FSW Postprocessor only produces the monthly FSW zonal files for zones which contain regional hour box data.

CER6.3P1 - CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Hierarchical Data Format (HDF) Postprocessor

The Subsystem 6.0 HDF Postprocessor converts the monthly FSW zonal files for a given month into a monthly FSW HDF data product. The monthly FSW HDF product for TRMM consists of eight files, each containing data for ten 1.0-degree equal-angle zones. The HDF product for Terra and Aqua consists of 60 files, each containing data for three 1.0-degree equal-angle zones. The regional hour box data of a monthly FSW HDF data file are written to HDF SDS where the records of the SDS are sorted by region and then by hour.

CER9.0P1 - CERES Grid Single Satellite ISCCP-D2like Clouds and Compute Spatial Averages Hierarchical Data Format (HDF) Main Processor

The Subsystem 9.0 Main Processor grids and spatially averages the footprint data from the CERES Single Satellite Cloud Pixels (SSF) data product. The footprints are assigned to a regional hour box based on GMT time associated with the footprint. The footprints in each regional hour box are averaged together and written to Monthly Gridded Single Satellite Clouds (ISCCP-D2like) HDF product.

CER9.1P1 - CERES Post Meteorological, Ozone, and Aerosol (PMOA) Processor

The Post-MOA Processor processes the hourly Meteorological, Ozone, and Aerosol (MOA) products for a given month to produce a monthly PMOA data product. The monthly PMOA data product is organized in four files which contain regional-hourly records sorted by region and then by hour for the CERES 1.0-degree nested regions. The Post-MOA Processor requires at least 1 hour of MOA data in order to process; however, if available, it can process the whole month of MOA data. The PMOA data product is a subset of the MOA data product.

CER9.2P1 - CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 Main Processor

The Subsystem 9.0 Main Processor grids and spatially averages the footprint data from the CERES Single Satellite TOA; Surface Flux and Cloud Pixels (SSF) data product. The footprints are assigned to a regional hour box based on local time associated with the footprint. The footprints in each regional hour box are averaged together and written to an hourly Monthly Gridded Single Satellite TOA and Surface Fluxes and Clouds (SFC) intermediate product.

CER9.3P1 - CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 Postprocessor

The Subsystem 9.0 Postprocessor sorts and merges the hourly SFC intermediate products for a given month to produce a monthly SFC data product. The monthly SFC data product is organized in 180 zonal files which contain regional hour boxes sorted by region and then by hour. The SFC Postprocessor only produces the monthly SFC zonal files for zones which contain regional hour box data.

CER9.4P1 - CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 HDF Postprocessor

The Subsystem 9.0 Hierarchical Data Format (HDF) Postprocessor converts the monthly SFC zonal files for a given month into a monthly SFC HDF data product. The monthly SFC HDF product for TRMM consists of eight files, each containing data for ten 1.0-degree equal-angle zones. The HDF product for Terra and Aqua consists of 36 files, each containing data for five 1.0-degree equal-angle zones. The regional hour box data of a monthly SFC HDF data file are written to HDF SDS where the records of the SDS are sorted by region and then by hour.

1.0 PGEName: CER6.1P1

CER6.1P1 - CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Main Processor

1.1 PGE Details

1.1.1 Responsible Persons

Table 1-1. Subsystem Software Analysts Contacts

Item	Primary	Alternate
Contact Name	Rajalekshmy Raju	Cathy Nguyen
Organization	SSAI	SSAI
Address	1 Enterprise Parkway	1 Enterprise Parkway
City	Hampton	Hampton
State	VA 23666	VA 23666
Phone	951-1673	951-1666
Fax	951-1900	951-1900
LaRC email	Rajalekshmy.I.Raju@nasa.gov	Le.T.Nguyen@nasa.gov

1.1.2 E-mail Distribution List

E-mail distribution list can be obtained from the primary contact listed in Section 1.1.1.

1.1.3 Parent PGE(s)

Table 1-2. Parent PGEs for CER6.1P1

PGEName	Description
CER5.1P1	CERES Instantaneous Surface and Atmospheric Radiation Budget Subsystem 5.0 Main Processor
CER9.1P1	CERES Post Meteorological, Ozone, and Aerosol Processor

1.1.4 Target PGE(s)

Table 1-3. Target PGEs after CER6.1P1

PGEName	Description
CER6.2P1	CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Postprocessor

1.2 Operating Environment

1.2.1 Runtime Parameters (List all Dynamic Parameters needed at Runtime)

Table 1-4. Runtime Parameters for CER6.1P1

Parameter	Description	Data Type	Valid Values
yyyymmddhh	CERDataDate	I(10)	yyyy 4-digit year mm 01 - 12 dd 01 - 31 hh 00 - 23

1.2.2 Environment Script Requirements

Refer to the CERES internal paper (Reference 1) for a detailed description of the CERES environment parameters.

One Environment Script is required. It is named '**TISAgrid6.1-env.pl**' and it uses the following environment variables expected to be set by the ASDC:

SS4_5 - Sampling Strategy for Inversion, see Production Request
SS5 - Sampling Strategy for SARB, see Production Request
SS6 - Sampling Strategy for TISAgrid Subsystem 6.0, see Production Request
SS12 - Sampling Strategy for RegridMOA, see Production Request
PS4_5 - Production Strategy for Inversion, see Production Request
PS5 - Production Strategy for SARB, see Production Request
PS6 - Production Strategy for TISAgrid Subsystem 6.0, see Production Request
PS12 - Production Strategy for RegridMOA, see Production Request
CC4_5 - Configuration Code for Inversion, see CM database
CC5 - Configuration Code for SARB, see CM database
CC6 - Configuration Code for TISAgrid Subsystem 6.0, see CM database
CC9_1 - Configuration Code for TISAgrid Post-MOA, see CM database
SW6 - Software Configuration Code for TISAgrid Subsystem 6.0, see CM database
DATA6 - Data Configuration Code for TISAgrid Subsystem 6.0, see CM database

1.2.3 Execution Frequency (daily,hourly,..)

hourly (1/hr) - This PGE is to be processed once per data hour, a maximum total of 768 hours per month (including overlap hours), when input is available.

1.2.4 Memory/Disk Space/Time Requirements

Memory:	**130 MB**
Disk Space:	**6005 MB**
Total Run Time:	**6 - 12 minutes**

1.2.5 Restrictions Imposed in Processing Order

None, process when data are available.

1.3 Processor Dependencies (Previous PGEs, Ingest Data,..)

1.3.1 Input Dataset Name (#1): CRSB

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/sarb/data/out_comp/data/sarb/
   CER_CRSB_${SS5}_${PS5}_${CC5}.yyyymmddhh

   1. Mandatory/Optional: **This file is Mandatory.**
   2. Time Related Dependency:
      These data must match the Runtime Parameter: yyyy,mm,dd,hh.
   3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

   Source PGE: CER5.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove**

e. Typical file size (MB): **284.0 per hour**

1.3.2 Input Dataset Name (#1): CRSB (Overlap hours)

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/sarb/data/out_comp/data/sarb/
   CER_CRSB_${SS5}_${PS5}_${CC5}.xyyypmldhh

   $CERESHOME/sarb/data/out_comp/data/sarb/
   CER_CRSB_${SS5}_${PS5}_${CC5}.xyyynmfdhh

   12 files where xyyypmld equals the year, month, and day corresponding to the Last day of the previous month and the hours hh = 12 .. 23
   12 files where xyyynmfd equals the year, month, and day corresponding to the First day of the next month and the hours hh = 00 .. 11

1. Mandatory/Optional: **These files are mandatory, if they exist.**
2. Time Related Dependency:
3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER5.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove**

e. Typical file size (MB): **284.0 per hour**

1.3.3 Input Dataset Name (#2): SSFA

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

$CERESHOME/inversion/data/out_comp/data/
CER_SSFA_${SS4_5}_${PS4_5}_${CC4_5}.yyyymmddhh

1. Mandatory/Optional: **This file is Mandatory.**
2. Time Related Dependency:
   These data must match the Runtime Parameter: yyyy,mm,dd,hh.
3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER4.5-6.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove**

e. Typical file size (MB): **15.0 per hour**

1.3.4 Input Dataset Name (#2): SSFA (Overlap hours)

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

$CERESHOME/inversion/data/out_comp/data/
CER_SSFA_${SS4_5}_${PS4_5}_${CC4_5}.xyyypmldhh
$CERESHOME/inversion/data/out_comp/data/
CER_SSFA_${SS4_5}_${PS4_5}_${CC4_5}.xyyynmfdhh

12 files where xyyypmld equals the year, month, and day corresponding to the Last day of the previous month and the hours hh = 12 .. 23
12 files where xyyynmfd equals the year, month, and day corresponding to the First day of the next month and the hours hh = 00 .. 11

1. Mandatory/Optional: **These files are mandatory, if they exist.**
2. Time Related Dependency:

3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER4.5-6.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove**

e. Typical file size (MB): **15.0 per hour**

1.3.5 Input Dataset Name (#3): PMOA

a. Directory Location/Inputs Expected (Including .met files, Header files, etc.)

$CERESHOME/tisa_grid/data/out_comp/data/PMOA/
CER_PMOA_${SS12}_${PS12}_${CC9_1}.yyyymmF1
CER_PMOA_${SS12}_${PS12}_${CC9_1}.yyyymmF2
CER_PMOA_${SS12}_${PS12}_${CC9_1}.yyyymmF3
CER_PMOA_${SS12}_${PS12}_${CC9_1}.yyyymmF4

1. Mandatory/Optional: **These files are Mandatory.**
2. Time Related Dependency: **These data must match the Runtime Parameter: yyyy,mm.**
3. Waiting Period: **None, process when all data are available.**

b. Source of Information (Source PGE name or Ingest Source):

Source PGE: CER9.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Do not remove, will be needed for other PGEs.**

e. Typical file size (MB): **5673.9 (total size for all 4 files combined)**

1.4 Operating Procedures (Procedure for each part of the processor's elements)

The Subsystem 6.0 Main Processor script, **tisa_grid-6_main_processor.csh**, references a Process Control File (PCF) which contains the correct file names and paths for the PGE. This PCF is created by first sourcing the TISAgrid specific environment script, **TISAgrid6.1-env.pl**, then executing the ASCII file generator, **input_gen_6.1P1.pl**, and the PCF generator, **pcf_gen_6.1P1.pl**.

1.4.1 How to Generate the ASCII File

The ASCII file generator, **input_gen_6.1P1.pl**, requires one command line argument: 10-digit data date (yyyymmddhh), where yyyy is a 4-digit year, mm is a 2-digit month, dd is a 2-digit day, and hh is a 2-digit hour of day.

At the command line (>) type:

> cd $CERESHOME/tisa_grid/CER6.1P1/rcf
> $CERESHOME/tisa_grid/CER6.1P1/rcf//input_gen_6.1P1.pl yyyymmddhh

The following file will be generated in $CERESHOME/tisa_grid/CER6.1P1/rcf/pif:

CER6.1P1_PCFin_${SS6}_${PS6}_${CC6}.yyyymmddhh

1.4.2 How to Generate the PCF File

The PCF generator, **pcf_gen_6.1P1.pl**, is executed using the newly created ASCII input file name as a command line argument.

At the command line (>) type:

> cd $CERESHOME/tisa_grid/rcf
> set PIFDIR = $CERESHOME/tisa_grid/CER6.1P1/rcf/pif
> $CERESHOME/tisa_grid/CER6.1P1/rcf/pcf_gen_6.1P1.pl $PIFDIR/CER6.1P1_PCFin_${SS6}_${PS6}_${CC6}.yyyymmddhh

The following file will be generated in $CERESHOME/tisa_grid/CER6.1P1/rcf/pcf:

CER6.1P1_PCF_${SS6}_${PS6}_${CC6}.yyyymmddhh

1.4.3 How to Execute the Main Processor

Execute the production script by typing the script name, **tisa_grid-6_main_processor.csh**, followed by the newly created PCF file name as a command line argument.

At the command line (>) type:

> cd $CERESHOME/tisa_grid/rcf
> set PCFDIR = $CERESHOME/tisa_grid/CER6.1P1/rcf/pcf
> $CERESHOME/tisa_grid/rcf/tisa_grid-6_main_processor.csh $PCFDIR/CER6.1P1_PCF_${SS6}_${PS6}_${CC6}.yyyymmddhh

1.4.4 Special Case Considerations

N/A, at this time. Special case considerations will be handled on a case-by-case basis, where special instructions will accompany each special request.

1.4.5 File Cleanup for a Failed Job

The clean script can be run following an unsuccessful job execution to remove all created files associated with the job, including output. This script should be used with great care:

At the command line (>) type:

> $CERESHOME/tisa_grid/CER6.1P1/bin/clean.pl 6.1 yyyymmddhh

1.4.6 Special Reprocessing Instructions

All output files are opened with Status = NEW in PGE CER6.1P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

1.5 Execution Evaluation

1.5.1 Exit Codes

The processor CER6.1P1 terminates using the CERES-defined EXIT CODES for the Langley TRMM Information System (LaTIS) as seen in Section 1.5.1. Other Exit Codes may appear from the program, which may be the result of a system, compiler, or Toolkit related error. In these cases, contact the responsible person (see Section 1.1.1) for assistance.

Table 1-5. Exit Codes for CER6.1P1

Exit Code	Definition	Action
0	Normal Exit	Proceed normally
202	Failure	Check the Log Files and take the appropriate action (see Appendix B).

1.5.2 Screen Messages (Use Table format for large number of messages)

When running the PCF generation script, **pcf_gen_6.1P1.csh**, the system message, "No match," may be written to the screen. This message occurs when the scripts try to remove a file that does not exist. This does not signify a problem.

1.5.3 Log and Status Files Results (Include ALL Log Files)

The Log files contain all error and/or status messages produced by the PGE. The files are located in directory: **$CERESHOME/tisa_grid/data/runlogs**.

1. **Report Log File: CER6.1P1_LogReport_${SS6}_${PS6}_${CC6}.yyyymmddhh**

The Report Log File contains the TISA Gridding related messages. These messages may be strictly informative (Error Type = Status or Warning) or may indicate a fatal condition that results in premature PGE termination (Error Type = Fatal). A comprehensive list of these messages, that can be generated during the execution of the PGE, is contained in Appendix B.

2. **Status Log File: CER6.1P1_LogStatus_${SS6}_${PS6}_${CC6}.yyyymmddhh**

The Status Log File contains all messages created by the Toolkit. If an abnormal exit is encountered by the PGE, this file should be examined for '_F_', fatal message type. The responsible person should be advised.

3. **User Log File:** CER6.1P1_LogUser_${SS6}_${PS6}_${CC6}.yyyymmddhh

The User Log File is not used at this time, but exists to satisfy the Toolkit requirements. Typically the _U_ and _N_ (User information and Notice) will be written to User Log File and Status Log File.

1.5.4 Solutions to Possible Problems

As mentioned in Section 1.4.5, all output files are opened with Status = NEW in PGE CER6.1P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

1.5.5 Conditions for Subsystem and/or Target PGE(s) Terminal Failure (Halt all further processing)

a. Subsystem Termination

   There are no foreseeable PGE terminating conditions at this time. If one hour fails, continue processing the next hour. If hour fails, the hour can be removed, but next PGE can be performed.

b. Target PGE Termination

   If any of the **.met** files are missing from the expected output, this condition must terminate all further Target PGE processing.

1.6 Expected Output Dataset(s)

The expected Output Datasets are listed below for each instance of the PGE. This PGE is expected to process 744 times, maximum, in a 31 day month. In addition, the PGE is expected to process 12 times, maximum, last twelve hours of the previous month and 12 times, maximum, first twelve hours of the following month.

Table 1-6. Expected Output File Listing for CER6.1P1

File Name[a]/Directory	m/o	File Size (MB)	Freq/PGE	Target PGE	Destination[b]
CER6.1P1_PCFin_${SS6}_${PS6}_${CC6}.yyyymmddhh @($CERESHOME/tisa_grid/CER6.1P1/rcf/pif)	m	.029	1/hr	N/A	Archive, rm
CER6.1P1_PCF_${SS6}_${PS6}_${CC6}.yyyymmddhh @($CERESHOME/tisa_grid/CER6.1P1/rcf/pcf)	m	.002	1/hr	N/A	Archive, rm
CER6.1P1_LogReport_${SS6}_${PS6}_${CC6}.yyyymmddhh @($CERESHOME/tisa_grid/runlogs)	m	.008	1/hr	N/A	Archive, rm
CER6.1P1_LogStatus_${SS6}_${PS6}_${CC6}.yyyymmddhh @($CERESHOME/tisa_grid/runlogs)	m	.004	1/hr	N/A	Archive, rm
CER6.1P1_LogUser_${SS6}_${PS6}_${CC6}.yyyymmddhh @($CERESHOME/tisa_grid/runlogs)	m	.001	1/hr	N/A	Archive, rm
CER_FSW-HR_${SS6}_${PS6}_${CC6}.yyyymmddhh(.met) @($CERESHOME/tisa_grid/data/int_prod/FSW_hour)	m	19.4	1/hr	CER6.2P1	Archive
CER_FSW-HR_${SS6}_${PS6}_${CC6}.yyyymmddhh(.met)[c] @($CERESHOME/tisa_grid/data/int_prod/FSW_hour)	m	19.4	24/mnth	CER6.2P1	Archive[c]
CER_IRGRP_${SS6}_${PS6}_${CC6}.yyyymmddhh(.met) @($CERESHOME/tisa_grid/data/int_prod/FSW_hour)	o	1	1/hr	N/A	Archive, rm

a. See Section 1.2 for information on variable data values
If "**(.met)**" is written next to an expected Output Filename, then the metadata file **must** exist with the identical filename and .met extension.

b. VD - Validation Days in 1998 (Jan./5, 12, 19, 26/, Apr./6, 13, 20, 27/, July/6, 13, 20, 27/, Oct./5, 12, 19, 26/)
/QA - File is to be written to the DAAC designated /QA directory
DB - File content is to be entered into the LaTIS Database
rm - remove
yyyy - 4-digit year
mm - 2-digit month {valid values: 01 .. 12}
dd - 2-digit day {valid values: 01 .. 31}
hh - 2-digit hour of the day {valid values: 00 .. 23}
m - mandatory output
o - optional output

c. CER_FSW-HR_${SS6}_${PS6}_${CC6}.yyyymmddhh(.met). These overlap files get generated for the last 12 hours of the previous month and the first 12 hours of the next month process. See Section 1.3.2 for the detailed description. See Section 1.4.6 for reprocessing instructions. Archive at the End of Data Month (EOD).

1.7 Expected Temporary Files/Directories

Table 1-7. Temporary Files Listing

Directory	File Name
${CERESHOME}/tisa_grid/data/scr/	SED_${SS6}_${PS6}_${CC6}.yyyymmddhh
${CERESHOME}/tisa_grid/data/scr/	PMOA_FILES_${SS6}_${PS6}_${CC6}.yyyymmddhh

2.0 PGEName: CER6.2P1

CER6.2P1 - CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Postprocessor

2.1 PGE Details

2.1.1 Responsible Persons

Table 2-1. Subsystem Software Analysts Contacts

Item	Primary	Alternate
Contact Name	Rajalekshmy Raju	Cathy Nguyen
Organization	SSAI	SSAI
Address	1 Enterprise Parkway	1 Enterprise Parkway
City	Hampton	Hampton
State	VA 23666	VA 23666
Phone	951-1673	951-1666
Fax	951-1900	951-1900
LaRC email	Rajalekshmy.I.Raju@nasa.gov	Le.T.Nguyen@nasa.gov

2.1.2 E-mail Distribution List

E-mail distribution list can be obtained from the primary contact listed in Section 2.1.1.

2.1.3 Parent PGE(s)

Table 2-2. Parent PGEs for CER6.2P1

PGEName	Description
CER6.1P1	CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Main Processor

2.1.4 Target PGE(s)

Table 2-3. Target PGEs after CER6.2P1

PGEName	Description
CER6.3P1	CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 HDF Postprocessor
CER7.1.1P1	CERES Synoptic Surface and Atmospheric Radiation Budget Subsystem 7.1 Main Processor

2.2 Operating Environment

2.2.1 Runtime Parameters (List all Dynamic Parameters needed at Runtime

Table 2-4. Runtime Parameters for CER6.2P1

Parameter	Description	Data Type	Valid Values
yyyy	CERDataYear	I(4)	yyyy 4-digit year
mm	CERDataMonth	I(2)	mm 01 - 12

2.2.2 Environment Script Requirements

Refer to the CERES internal paper (Reference 1) for a detailed description of the CERES environment parameters.

One Environment Script is required. It is named **'TISAgrid6.2-env.pl'** and it uses the following environment variables expected to be set by the ASDC:

MANUALRUN - Flag for Production Process, flag set to true indicates process is manual, flag set to false indicates process is APGS.
TESTRUN - Flag for SSIT Process, flag set to true indicates SSIT test run, flag set to false indicates process is not SSIT test run.
SS6 - Sampling Strategy for TISAgrid Subsystem 6.0, see Production Request
PS6 - Production Strategy for TISAgrid Subsystem 6.0, see Production Request
CC6 - Configuration Code for TISAgrid Subsystem 6.0, see CM database
SW6 - Software Configuration Code for TISAgrid Subsystem 6.0, see CM database
DATA6 - Data Configuration Code for TISAgrid Subsystem 6.0, see CM database

2.2.3 Execution Frequency (daily,hourly,..)

monthly (1/mth) - This PGE is to be processed once per month when input for an entire data month is available.

2.2.4 Memory/Disk Space/Time Requirements

Memory:	**499 MB**
Disk Space:	**36 GB**
Total Run Time:	**~25 minutes**

2.2.5 Restrictions Imposed in Processing Order

This PGE can be run when an entire month of data have been processed through PGE CER6.1P1.

2.3 Processor Dependencies (Previous PGEs, Ingest Data,..)

2.3.1 Input Dataset Name (#1): FSW-HR

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/tisa_grid/data/int_prod/FSW_hour/ CER_FSW-HR_${SS6}_${PS6}_${CC6}.yyyymmddhh, where mm = data month, dd = 01..31, hh = 00..23

   1. Mandatory/Optional: **If file exists then it is mandatory.**
   2. Time Related Dependency:
      These data must match the Runtime Parameter: yyyy,mm. All available days/hours, maximum of 744 hours, for this year and month are expected.
   3. Waiting Period: **Process after entire data month of CER6.1P1 is complete.**

b. Source of Information (Source is PGE name or Ingest Source):

   Source PGE: CER6.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove**

e. Typical file size (MB): 19.4 per hour (Maximum of 744 hours)

2.3.2 Input Dataset Name (#1): FSW-HR (Overlap hours)

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/tisa_grid/data/int_prod/FSW_hour/ CER_FSW-HR_${SS6}_${PS6}_${CC6}.xyyypmldhh
   $CERESHOME/tisa_grid/data/int_prod/FSW_hour/ CER_FSW-HR_${SS6}_${PS6}_${CC6}.xyyynmfdhh

   12 files where xyyypmld equals the year, month, and day corresponding to the Last day of the previous month and the hours hh = 12 .. 23

12 files where xyyynmfd equals the year, month, and day corresponding to the First day of the next month and the hours hh = 00 .. 11

1. Mandatory/Optional: **These files are mandatory, if they exist.**
2. Time Related Dependency:
3. Waiting Period: **None, process when all data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER6.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove**

e. Typical file size (MB): **19.4 per hour (Maximum of 24 hours)**

2.4 Operating Procedures (Procedure for each part of the processor's elements)

The Subsystem 6.0 Post processor script, **tisa_grid-6_post_processor.csh**, references a PCF which contains the correct file names and paths for the PGE. This PCF is created by first sourcing the TISAgrid specific environment script, **TISAgrid6.2-env.pl**, then executing the ASCII file generator, **input_gen_6.2P1.pl**, and the PCF generator, **pcf_gen_6.2P1.pl**.

2.4.1 How to Generate the ASCII File

The ASCII file generator, **input_gen_6.2P1.pl**, requires two command line argument: 4-digit data year (yyyy) and 2-digit data month (mm).

At the command line (>) type:

> $CERESHOME/tisa_grid/CER6.2P1/rcf/input_gen_6.2P1.pl yyyymm

The following file will be generated in $CERESHOME/tisa_grid/CER6.2P1/rcf/pif:

CER6.2P1_PCFin_${SS6}_${PS6}_${CC6}.yyyymm

2.4.2 How to Generate the PCF File

The PCF generator, **pcf_gen_6.2P1.pl**, is executed using the newly created ASCII input file name as a command line argument.

At the command line (>) type:

> set PIFDIR = $CERESHOME/tisa_grid/CER6.2P1/rcf/pif
> $CERESHOME/tisa_grid/CER6.2P1/rcf/pcf_gen_6.2P1.pl
$PIFDIR/CER6.2P1_PCFin_${SS6}_${PS6}_${CC6}.yyyymm

The following file will be generated in $CERESHOME/tisa_grid/CER6.2P1/rcf/pcf:

CER6.2P1_PCF_${SS6}_${PS6}_${CC6}.yyyymm

2.4.3 How to Execute the Main Processor

Execute the production script by typing the script name, **tisa_grid-6_post_processor.csh**, followed by the newly created PCF file name as a command line argument.

At the command line (>) type:

> set PCFDIR = $CERESHOME/tisa_grid/CER6.2P1/rcf/pcf
> $CERESHOME/tisa_grid/CER6.2P1/rcf/tisa_grid-6_post_processor.csh $PCFDIR/CER6.2P1_PCF_${SS6}_${PS6}_${CC6}.yyyymm

2.4.4 Special Case Considerations

N/A, at this time. Special case considerations will be handled on a case-by-case basis, where special instructions will accompany each special request.

2.4.5 File Cleanup for a Failed Job

The clean script can be run following an unsuccessful job execution to remove all created files associated with the job, including output. This script should be used with great care:

At the command line (>) type:

> $CERESHOME/tisa_grid/CER6.2P1/rcf/clean.pl 6.2 yyyymm

2.4.6 Special Reprocessing Instructions

All output files are opened with Status = NEW in PGE CER6.2P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

2.5 Execution Evaluation

2.5.1 Exit Codes

The processor CER6.2P1 terminates using the CERES-defined EXIT CODES for the Langley TRMM Information System (LaTIS) as seen in Section 2.5.1. Other Exit Codes may appear from the program, which may be the result of a system, compiler, or Toolkit related error. In these cases, contact the responsible person (see Section 2.1.1) for assistance.

Table 2-5. Exit Codes for CER6.2P1

Exit Code	Definition	Action
0	Normal Exit	Proceed normally
202	Failure	Check the Log Files and take the appropriate action (see Appendix A).

2.5.2 Screen Messages (Use Table format for large number of messages)

When running the PCF generation script, **pcf_gen_6.2P1.pl**, the system message, "No match," may be written to the screen. This message occurs when the scripts try to remove a file that does not exist. This does not signify a problem.

2.5.3 Log and Status Files Results (Include ALL Log Files)

The Log files contain all error and/or status messages produced by the PGE. The files are located in directory: **$CERESHOME/tisa_grid/runlogs**.

1. **Report Log File: CER6.2P1_LogReport_${SS6}_${PS6}_${CC6}.yyyymm**

The Report Log File contains the TISA Gridding related messages. These messages may be strictly informative (Error Type = Status or Warning) or may indicate a fatal condition that results in premature PGE termination (Error Type = Fatal). A comprehensive list of these messages, that can be generated during the execution of the PGE, is contained in Appendix B.

2. **Status Log File: CER6.2P1_LogStatus_${SS6}_${PS6}_${CC6}.yyyymm**

The Status Log File contains all messages created by the Toolkit. If an abnormal exit is encountered by the PGE, this file should be examined for '_F_', fatal message type. The responsible person should be advised.

3. **User Log File: CER6.2P1_LogUser_${SS6}_${PS6}_${CC6}.yyyymm**

The User Log File is not used at this time, but exists to satisfy the Toolkit requirements. Typically the _U_ and _N_ (User information and Notice) will be written to User Log File and Status Log File.

2.5.4 Solutions to Possible Problems

As mentioned in Section 2.4.5, all output files are opened with Status = NEW in PGE CER6.2P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

2.5.5 Conditions for Subsystem and/or Target PGE(s) Terminal Failure (Halt all further processing)

a. Subsystem Termination

There are no foreseeable PGE terminating conditions at this time.

b. Target PGE Termination

If any of the **.met** files are missing from the expected output, this condition must terminate all further Target PGE processing. Process all Target PGEs even if all zonal files have not been produced.

2.6 Expected Output Dataset(s)

The expected Output Datasets are listed below for each instance of the PGE. This PGE is expected to process 1 time per month and will create from 1 to 180 zonal files.

Table 2-6. Expected Output File Listing for CER6.2P1

File Name[a]/Directory	m/o	File Size (MB)	Freq/PGE	Target PGE	Destination[b]
CER6.2P1_PCFin_${SS6}_${PS6}_${CC6}.yyyymm @($CERESHOME/tisa_grid/CER6.2P1/rcf/pif)	m	.001	1/mth	N/A	Archive, rm
CER6.2P1_PCF_${SS6}_${PS6}_${CC6}.yyyymm @($CERESHOME/tisa_grid/CER6.2P1/rcf/pcf)	m	.1	1/mth	N/A	Archive, rm
CER6.2P1_LogReport_${SS6}_${PS6}_${CC6}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.2	1/mth	N/A	Archive, rm
CER6.2P1_LogStatus_${SS6}_${PS6}_${CC6}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.1	1/mth	N/A	Archive, rm
CER6.2P1_LogUser_${SS6}_${PS6}_${CC6}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.0001	1/mth	N/A	Archive, rm
CER_FSWB_${SS6}_${PS6}_${CC6}.yyyymmZnnn(.met) @($CERESHOME/tisa_grid/data/out_comp/data/FSW)	m	1443 3	1..180/mth	CER6.3P1 CER7.1.1P1	Archive
CER_IQCRP_${SS6}_${PS6}_${CC6}.yyyymm(.met) @($CERESHOME/tisa_grid/data/out_comp/data/FSW	o	1	1/mth	N/A	Archive, rm

a. See Section 2.2 for information on variable data values
If "**(.met)**" is written next to an expected Output Filename, then the metadata file **must** exist with the identical filename and .met extension.

b. VD - Validation Days in 1998 (Jan./5, 12, 19, 26/, Apr./6, 13, 20, 27/, July/6, 13, 20, 27/, Oct./5, 12, 19, 26/)
/QA - File is to be written to the DAAC designated /QA directory
DB - File content is to be entered into the LaTIS Database
rm - remove
yyyy - 4-digit year
mm - 2-digit month {valid values: 01 .. 12}
dd - 2-digit day {valid values: 01 .. 31}
hh - 2-digit hour of the day {valid values: 00 .. 23}
nnn - 3-digit zone number {valid values: 001 .. 180}
m - mandatory output
o - optional output
mth - month

2.7 Expected Temporary Files/Directories

Table 2-7. Temporary Files Listing

Directory	File Name
${CERESHOME}/tisa_grid/data/int_prod/FSW_day	CER_FSWD_${SS6}_${PS6}_${CC6}.yyyymmdd
${CERESHOME}/tisa_grid/data/scr/	SED_yyyymm
${CERESHOME}/tisa_grid/data/scr/	FSWH_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	FSWD_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	FSWB_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	FSWB_MET_FILES_yyyymm

3.0 PGEName: CER6.3P1

CER6.3P1 - CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Hierarchical Data Format (HDF) Postprocessor

3.1 PGE Details

3.1.1 Responsible Persons

Table 3-1. Subsystem Software Analysts Contacts

Item	Primary	Alternate
Contact Name	Rajalekshmy Raju	Cathy Nguyen
Organization	SSAI	SSAI
Address	1 Enterprise Parkway	1 Enterprise Parkway
City	Hampton	Hampton
State	VA 23666	VA 23666
Phone	951-1673	951-1666
Fax	951-1900	951-1900
LaRC email	Rajalekshmy.I.Raju@nasa.gov	Le.T.Nguyen@nasa.gov

3.1.2 E-mail Distribution List

E-mail distribution list can be obtained from the primary contact listed in Section 3.1.1.

3.1.3 Parent PGE(s)

Table 3-2. Parent PGEs for CER6.3P1

PGEName	Description
CER6.2P1	CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Postprocessor

3.1.4 Target PGE(s)

N/A

3.2 Operating Environment

3.2.1 Runtime Parameters (List all Dynamic Parameters needed at Runtime)

Table 3-3. Runtime Parameters for CER6.3P1

Parameter	Description	Data Type	Valid Values
yyyy	CERDataYear	I(4)	yyyy 4-digit year
mm	CERDataMonth	I(2)	mm 01 - 12

3.2.2 Environment Script Requirements

Refer to the CERES internal paper (Reference 1) for a detailed description of the CERES environment parameters.

One Environment Script is required. It is named **'TISAgrid6.3-env.pl'** and it uses the following environment variables expected to be set by the ASDC:

MANUALRUN	-	Flag for Production Process, flag set to true indicates process is manual, flag set to false indicates process is APGS.
TESTRUN	-	Flag for SSIT Process, flag set to true indicates SSIT test run, flag set to false indicates process is not SSIT test run.
SS6	-	Sampling Strategy for TISAgrid Subsystem 6.0, see Production Request
PS6	-	Production Strategy for TISAgrid Subsystem 6.0, see Production Request
CC6	-	Configuration Code for TISAgrid Subsystem 6.0 PGE CER6.2P1,see CM database
CC6_3	-	Configuration Code for TISAgrid Subsystem 6.0 PGE CER6.3P1, see CM database
SW6	-	Software Configuration Code for TISAgrid Subsystem 6.0 PGE CER6.3P1, see CM database
DATA6	-	Data Configuration Code for TISAgrid Subsystem 6.0 PGE CER6.3P1, see CM database

3.2.3 Execution Frequency (daily,hourly,..)

monthly (1/mth) - This PGE is to be processed once per month when input is available.

3.2.4 Memory/Disk Space/Time Requirements

Memory: **138 MB**
Disk Space: **24 GB**
Total Run Time: **3 hours**

3.2.5 Restrictions Imposed in Processing Order

This PGE can be run immediately following the successful completion of PGE CER6.2P1.

3.3 Processor Dependencies (Previous PGEs, Ingest Data,..)

3.3.1 Input Dataset Name (#1): FSWB

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/tisa_grid/data/out_comp/data/FSW/
   CER_FSWB_${SS6}_${PS6}_${CC6}.yyyymmZnnn, where nnn = 001 - 180

   1. Mandatory/Optional: **These files are Optional if they do not exist.**
   2. Time Related Dependency:
      These data must match the Runtime Parameter: yyyy,mm. All available zones, maximum of 180, for this year and month are expected.
   3. Waiting Period: **Process after the successful completion of CER6.2P1.**

b. Source of Information (Source is PGE name or Ingest Source):

   Source PGE: CER6.2P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **These data are required by PGE CER7.1.1P1.**

e. Typical file size (MB): 14433.0 (total of 180 files)

3.4 Operating Procedures (Procedure for each part of the processor's elements)

The Subsystem 6.0 HDF Postprocessor script, **tisa_grid_fsw_hdf_processor.csh**, references a PCF which contains the correct file names and paths for the PGE. This PCF is created by first sourcing the TISAgrid specific environment script, **TISAgrid6.3-env.pl**, then executing the ASCII file generator, **input_gen_6.3P1.pl**, and the PCF generator, **pcf_gen_6.3P1.pl**.

3.4.1 How to Generate the ASCII File

The ASCII file generator, **input_gen_6.3P1.pl**, requires two command line argument: 4-digit data year (yyyy) and 2-digit data month (mm).

At the command line (>) type:

> $CERESHOME/tisa_grid/CER6.3P1/bin/input_gen_6.3P1.pl yyyymm

The following file will be generated in $CERESHOME/tisa_grid/CER6.3P1/rcf/pif:

CER6.3P1_PCFin_${SS6}_${PS6}_${CC6_3}.yyyymm

3.4.2 How to Generate the PCF File

The PCF generator, **pcf_gen_6.3P1.pl**, is executed using the newly created ASCII input file name as a command line argument.

At the command line (>) type:

```
> set PIFDIR = $CERESHOME/tisa_grid/CER6.3P1/rcf/pif
> $CERESHOME/tisa_grid/CER6.3P1/rcf//pcf_gen_6.3P1.pl
  $PIFDIR/CER6.3P1_PCFin_${SS6}_${PS6}_${CC6_3}.yyyymm
```

The following file will be generated in $CERESHOME/tisa_grid/CER6.3P1/rcf/pcf:

```
CER6.3P1_PCF_${SS6}_${PS6}_${CC6_3}.yyyymm
```

3.4.3 How to Execute the Main Processor

Execute the production script by typing the script name, **tisa_grid_fsw_hdf_processor.csh**, followed by the newly created PCF file name as a command line argument.

At the command line (>) type:

```
> set PCFDIR = $CERESHOME/tisa_grid/CER6.3P1/rcf/pcf
> $CERESHOME/tisa_grid/CER6.3P1/rcf/tisa_grid_fsw_hdf_processor.csh
  $PCFDIR/CER6.3P1_PCF_${SS6}_${PS6}_${CC6_3}.yyyymm
```

3.4.4 Special Case Considerations

N/A, at this time. Special case considerations will be handled on a case-by-case basis, where special instructions will accompany each special request.

3.4.5 File Cleanup for a Failed Job

The clean script can be run following an unsuccessful job execution to remove all created files associated with the job, including output. This script should be used with great care.

At the command line (>) type:

```
> $CERESHOME/tisa_grid/bin/clean 6.3 yyyymm
```

3.4.6 Special Reprocessing Instructions

All output files are opened with Status = NEW in PGE CER6.3P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

3.5 Execution Evaluation

3.5.1 Exit Codes

The processor CER6.3P1 terminates using the CERES-defined EXIT CODES for the Langley TRMM Information System (LaTIS) as seen in Section 3.5.1. Other Exit Codes may appear from the program, which may be the result of a system, compiler, or Toolkit related error. In these cases, contact the responsible person (see Section 3.1.1) for assistance.

Table 3-4. Exit Codes for CER6.3P1

Exit Code	Definition	Action
0	Normal Exit	Proceed normally
202	Failure	Check the Log Files and take the appropriate action (see Appendix A).

3.5.2 Screen Messages (Use Table format for large number of messages)

When running the PCF generation script, **pcf_gen_6.3P1.csh**, the system message, "No match," may be written to the screen. This message occurs when the scripts try to remove a file that does not exist. This does not signify a problem.

3.5.3 Log and Status Files Results (Include ALL Log Files)

The Log files contain all error and/or status messages produced by the PGE. The files are located in directory: **$CERESHOME/tisa_grid/runlogs**.

1. **Report Log File: CER6.3P1_LogReport_${SS6}_${PS6}_${CC6_3}.yyyymm**

The Report Log File contains the TISA Gridding related messages. These messages may be strictly informative (Error Type = Status or Warning) or may indicate a fatal condition that results in premature PGE termination (Error Type = Fatal). A comprehensive list of these messages, that can be generated during the execution of the PGE, is contained in Appendix B.

2. **Status Log File: CER6.3P1_LogStatus_${SS6}_${PS6}_${CC6_3}.yyyymm**

The Status Log File contains all messages created by the Toolkit. If an abnormal exit is encountered by the PGE, this file should be examined for '_F_', fatal message type. The responsible person should be advised.

3. **User Log File: CER6.3P1_LogUser_${SS6}_${PS6}_${CC6_3}.yyyymm**

The User Log File is not used at this time, but exists to satisfy the Toolkit requirements. Typically the _U_ and _N_ (User information and Notice) will be written to User Log File and Status Log File.

3.5.4 Solutions to Possible Problems

As mentioned in Section 3.4.5, all output files are opened with Status = NEW in PGE CER6.3P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

3.5.5 Conditions for Subsystem and/or Target PGE(s) Terminal Failure (Halt all further processing)

a. Subsystem Termination

There are no foreseeable PGE terminating conditions at this time.

b. Target PGE Termination

N/A.

3.6 Expected Output Dataset(s)

The expected Output Datasets are listed below for each instance of the PGE. This PGE is expected to process 1 time per month and at most, create 18 files containing 10 zones of data in each file for TRMM and create 60 files containing 3 zones of data in each file for Terra/Aqua.

Table 3-5. Expected Output File Listing for CER6.3P1

File Name[a]/Directory	m/o	File Size (MB)	Freq/PGE	Target PGE	Destination[b]
CER6.3P1_PCFin_${SS6}_${PS6}_${CC6_3}.yyyymm @($CERESHOME/tisa_grid/CER6.3P1/rcf/pif)	m	.001	1/mth	N/A	Archive, rm
CER6.3P1_PCF_${SS6}_${PS6}_${CC6_3}.yyyymm @($CERESHOME/tisa_grid/CER6.3P1/rcf/pcf)	m	.004	1/mth	N/A	Archive, rm
CER6.3P1_LogReport_${SS6}_${PS6}_${CC6_3}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.005	1/mth	N/A	Archive, rm
CER6.3P1_LogStatus_${SS6}_${PS6}_${CC6_3}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER6.3P1_LogUser_${SS6}_${PS6}_${CC6_3}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.0001	1/mth	N/A	Archive, rm
CER_FSW_${SS6}_${PS6}_${CC6_3}.yyyymmZnn(.met) @($CERESHOME/tisa_grid/data/out_comp/data/FSW_hdf)	m	14433	1..18/mnth for TRMM 1..60/mnth for Terra/Aqua	N/A	Archive, rm

a. See Section 3.2 for information on variable data values
If "**(.met)**" is written next to an expected Output Filename, then the metadata file **must** exist with the identical filename and .met extension.

b. VD - Validation Days in 1998 (Jan./5, 12, 19, 26/, Apr./6, 13, 20, 27/, July/6, 13, 20, 27/, Oct./5, 12, 19, 26/)
/QA - File is to be written to the DAAC designated /QA directory
DB - File content is to be entered into the LaTIS Database
rm - remove

yyyy - 4-digit year
mm - 2-digit month {valid values: 01 .. 12}
nn - 2-digit number {valid values: 01 .. 18 for TRMM; 01 .. 60 for Terra}
m - mandatory output
o - optional output
mth - month

3.7 Expected Temporary Files/Directories

Table 3-6. Temporary Files Listing

Directory	File Name
${CERESHOME}/tisa_grid/data/scr/	SED_yyyymm
${CERESHOME}/tisa_grid/data/scr/	FSW_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	FSWB_FILES_yyyymm

4.0 PGEName: CER9.0P1

CER9.0P1 - CERES Grid Single Satellite ISCCP-D2like Clouds and Compute Spatial Averages Hierarchical Data Format (HDF) Main Processor.

4.1 PGE Details

4.1.1 Responsible Persons

Table 4-1. Subsystem Software Analysts Contacts

Item	Primary	Alternate
Contact Name	Rajalekshmy Raju	Cathy Nguyen
Organization	SSAI	SSAI
Address	1 Enterprise Parkway	1 Enterprise Parkway
City	Hampton	Hampton
State	VA 23666	VA 23666
Phone	951-1673	951-1666
Fax	951-1900	951-1900
LaRC email	Rajalekshmy.I.Raju@nasa.gov	Le.T.Nguyen@nasa.gov

4.1.2 E-mail Distribution List

E-mail distribution list can be obtained from the primary contact listed in Section 4.1.1.

4.1.3 Parent PGE(s)

Table 4-2. Parent PGE for CER9.0P1

PGEName	Description
CER4.5-6.1P1	CERES Inversion to Instantaneous TOA Fluxes and Empirical Estimates of Surface Radiation Budget Subsystems 4.5 and 4.6 Main Processor

4.1.4 Target PGE(s)

Table 4-3. Target PGEs after CER9.0P1

PGEName	Description
N/A	N/A

4.2 Operating Environment

4.2.1 Runtime Parameters (List all Dynamic Parameters needed at Runtime)

Table 4-4. Runtime Parameters for CER9.0P1

Parameter	Description	Data Type	Valid Values
yyyymm	CERDataDate	I(6)	yyyy4-digit year mm 01 - 12

4.2.2 Environment Script Requirements

Refer to the CERES internal paper (Reference 1) for a detailed description of the CERES environment parameters.

One Environment Script is required. It is named '**TISAgrid9.0-env.pl**' and it uses the following environment variables expected to be set by the ASDC:

MANUALRUN	-	Flag for Production Process, flag set to true indicates process is manual, flag set to false indicates process is APGS.
TESTRUN	-	Flag for SSIT Process, flag set to true indicates SSIT test run, flag set to false indicates process is not SSIT test run.
SS4_5	-	Sampling Strategy for Inversion, see Production Request
SS9_0	-	Sampling Strategy for TISAgrid Subsystem 9.0, see Production Request
PS4_5	-	Production Strategy for Inversion, see Production Request
PS9_0	-	Production Strategy for TISAgrid Subsystem 9.0, PGE CER9.0P1, see Production Request
CC4_5	-	Configuration Code for Inversion, see CM database
CC9_0	-	Configuration Code for TISAgrid Subsystem 9.0, PGE CER9.0P1, see CM database
SW9_0	-	Software Configuration Code for TISAgrid Subsystem 9.0, see CM database
DATA9_0	-	Data Configuration Code for TISAgrid Subsystem 9.0, see CM database
PROD	-	Yes for production runs , no for test runs.

4.2.3 Execution Frequency (daily,hourly,monthly..)

monthly (1/month) - This PGE is to be processed once per month, when input is available.

4.2.4 Memory/Disk Space/Time Requirements

Memory: **128 MB**
Disk Space: **0.7 GB**
Total Run Time: **2 hours**

4.2.5 Restrictions Imposed in Processing Order

Failed input should not be staged from previous PGEs.

4.3 Processor Dependencies (Previous PGEs, Ingest Data,.

4.3.1 Input Dataset Name (#1): SSF

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/inversion/data/out_comp/data/
   CER_SSF_${SS4_5}_${PS4_5}_${CC4_5}.yyyymmddhh

   1. Mandatory/Optional: **The file of the hour being processed is mandatory.**
   2. Time Related Dependency:

      These data must match the Runtime Parameter: yyyy,mm.

   3. Waiting Period: None, process when all input data are available.

b. Source of Information (Source is PGE name or Ingest Source):

   Source PGE: CER4.5-6.1P2 (Terra), CER4.5-6.1P3 (Aqua)

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove after these data have been successfully run through PGE CER9.0P1.**

e. Typical file size (MB): **400**

f. Typical file size (MB):

4.4 Operating Procedures (Procedure for each part of the processor's elements)

The Subsystem 9.0 Main Processor script, **tisa_grid-9.0_main_processor.csh**, references a Process Control File (PCF) which contains the correct file names and paths for the PGE. This PCF is created by first sourcing the TISAgrid specific environment script, **TISAgrid9.0-env.pl**, then executing the ASCII file generator, **input_gen_9.0P1.pl**, and the PCF generator, **pcf_gen_9.0P1.pl**.

4.4.1 How to Generate the ASCII File

The ASCII file generator, **input_gen_9.0P1.pl**, requires one command line argument: 6-digit data date (yyyymm), where yyyy is a 4-digit year, mm is a 2-digit month.

At the command line (>) type:

```
> cd $CERESHOME/tisa_grid/CER9.0P1/bin
> input_gen_9.0P1.pl yyyymm
```

The following file will be generated in $CERESHOME/tisa_grid/rcf/pif:

CER9.0P1_PCFin_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm

4.4.2 How to Generate the PCF File

The PCF generator, **pcf_gen_9.0P1.pl**, is executed using the newly created ASCII input file name as a command line argument.

At the command line (>) type:

```
> cd $CERESHOME/tisa_grid/CER9.0P1/bin
> set PIFDIR = $CERESHOME/tisa_grid/CER9.0P1/rcf/pif
> pcf_gen_9.0P1.pl
   $PIFDIR/CER9.0P1_PCFin_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm
```

The following file will be generated in $CERESHOME/tisa_grid/CER9.0P1/rcf/pcf:

```
CER9.0P1_PCF_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm
```

4.4.3 How to Execute the Main Processor

Execute the production script by typing the script name, **tisa_grid-9.0_main_processor.csh**, followed by the newly created PCF file name as a command line argument.

At the command line (>) type:

```
> cd $CERESHOME/tisa_grid/CER9.0P1/bin
> TISAgrid9.0-env.pl
> set PCFDIR = $CERESHOME/tisa_grid/CER9.0P1/rcf/pcf
> $CERESHOME/tisa_grid/bin/tisa_grid-9.0_main_processor.csh
   $PCFDIR/CER9.0P1_PCF_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm
```

4.4.4 Special Case Considerations

N/A, at this time. Special case considerations will be handled on a case-by-case basis, where special instructions will accompany each special request.

4.4.5 File Cleanup for a Failed Job

The clean script can be run following an unsuccessful job execution to remove all created files associated with the job, including output. This script should be used with great care:

At the command line (>) type:

```
> $CERESHOME/tisa_grid/CER9.0P1/bin/clean.pl 9.0 yyyymm
```

4.4.6 Special Reprocessing Instructions

All output files are opened with Status = NEW in PGE CER9.0P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

4.5 Execution Evaluation

4.5.1 Exit Codes

The processor CER9.0P1 terminates using the CERES-defined EXIT CODES for the Langley TRMM Information System (LaTIS) as seen in Section 4.5.1. Other Exit Codes may appear from the program, which may be the result of a system, compiler, or Toolkit related error. In these cases, contact the responsible person (see Section 4.5.1) for assistance.

Table 4-5. Exit Codes for CER9.0P1

Exit Code	Definition	Action
0	Normal Exit	Proceed normally
202	Failure	Check the Log Files and take the appropriate action (see Appendix B).

4.5.2 Screen Messages (Use Table format for large number of messages)

When running the PCF generation script, **pcf_gen_9.0P1.pl**, the system message, "No match," may be written to the screen. This message occurs when the scripts try to remove a file that does not exist. This does not signify a problem.

4.5.3 Log and Status Files Results (Include ALL Log Files)

The Log files contain all error and/or status messages produced by the PGE. The files are located in directory: **$CERESHOME/tisa_grid/runlogs**.

1. **Report Log File: CER9.0P1_LogReport_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm**

The Report Log File contains the TISA Gridding related messages. These messages may be strictly informative (Error Type = Status or Warning) or may indicate a fatal condition that results in premature PGE termination (Error Type

2. **Status Log File: CER9.0P1_LogStatus_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm**

The Status Log File contains all messages created by the Toolkit. If an abnormal exit is encountered by the PGE, this file should be examined for '_F_', fatal message type. The responsible person should be advised.

3. **User Log File: CER9.0P1_LogUser_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm**

The User Log File is not used at this time, but exists to satisfy the Toolkit requirements. Typically the _U_ and _N_ (User information and Notice) will be written to User Log File and Status Log File.

4.5.4 Solutions to Possible Problems

All output files are opened with Status = NEW in PGE CER9.0P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

4.5.5 Conditions for Subsystem and/or Target PGE(s) Terminal Failure (Halt all further processing)

a. Subsystem Termination

There are no foreseeable PGE terminating conditions at this time. If one hour fails, continue processing the next hour.

b. Target PGE Termination

If any of the **.met** files are missing from the expected output, this condition must terminate all further Target PGE processing.

4.6 Expected Output Dataset(s)

The expected Output Datasets are listed below for each instance of the PGE. This PGE is expected to process 1 time.

Table 4-6. Expected Output File Listing for CER9.0P1

File Name[a]/Directory	m/o	File Size (MB)	Freq/ PGE	Target PGE	Destination[b]
CER9.0P1_PCFin_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm @($CERESHOME/tisa_grid/CER9.0P1/rcf/pif)	m	.001	1/mth	N/A	Archive, rm
CER9.0P1_PCF_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm @($CERESHOME/tisa_grid/CER9.0P1/rcf/pcf)	m	.001	1/mth	N/A	Archive, rm
CER9.0P1_LogReport_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER9.0P1_LogStatus_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER9.0P1_LogUser_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER_ISCCP-D2like-Day_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm(.met) @($CERESHOME/tisa_grid/data/out_comp/data/ISCCP_hdf)	m	600	1/mth	N/A	Archive
CER_ISCCP-D2like-Nit_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm(.met) @($CERESHOME/tisa_grid/data/out_comp/data/ISCCP_hdf)	m	600	1/mth	N/A	Archive

a. See Section 4.2 for information on variable data values
If "**(.met)**" is written next to an expected Output Filename, then the metadata file **must** exist with the identical filename and .met extension.

b. VD - Validation Days in 1998 (Jan./5, 12, 19, 26/, Apr./6, 13, 20, 27/, July/6, 13, 20, 27/, Oct./5, 12, 19, 26/)
/QA - File is to be written to the DAAC designated /QA directory
DB - File content is to be entered into the LaTIS Database
rm - remove
yyyy - 4-digit year
mm - 2-digit month {valid values: 01 .. 12}
m - mandatory output
o - optional output
mth - month
hr - hour

4.7 Expected Temporary Files/Directories

Table 4-7. Temporary Files Listing

Directory	File Name
${CERESHOME}/tisa_grid/data/scr/	SED_${SS9_0}_${PS9_0}_${CC9_0}.yyyymm
${CERESHOME}/tisa_grid/data/int_prod /ISCCP_day/	CER_ISCCP-D2likeD_${SS9_0}_${PS9_0}_${CC9_0}.yyyymmdd

5.0 PGEName: CER9.1P1

CER9.1P1 - CERES Post Meteorological, Ozone, and Aerosol (PMOA) Processor

5.1 PGE Details

5.1.1 Responsible Persons

Table 5-1. Subsystem Software Analysts Contacts

Item	Primary	Alternate
Contact Name	Rajalekshmy Raju	Cathy Nguyen
Organization	SSAI	SSAI
Address	1 Enterprise Parkway	1 Enterprise Parkway
City	Hampton	Hampton
State	VA 23666	VA 23666
Phone	951-1673	951-1666
Fax	951-1900	951-1900
LaRC email	Rajalekshmy.I.Raju@nasa.gov	Le.T.Nguyen@nasa.gov

5.1.2 E-mail Distribution List

E-mail distribution list can be obtained from the primary contact listed in Section 5.1.1.

5.1.3 Parent PGE(s)

Table 5-2. Parent PGEs for CER9.1P1

PGEName	Description
CER12.1.P1	Regrid Meteorological, Ozone, and Aerosol (MOA) Subsystem

5.1.4 Target PGE(s)

Table 5-3. Target PGEs after CER9.1P1

PGEName	Description
CER6.1P1	CERES Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages Subsystem 6.0 Main Processor
CER9.2P1	CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 Main Processor
CER7.1.1P1	CERES Synoptic Surface and Atmospheric Radiation Budget Subsystem 7.1 Main Processor
CER8.1P1	CERES Compute Regional, Zonal, and Global Averages Main Processor
CER10.1P1	CERES Monthly TOA and SRB Averages Subsystem 10.0 Main Processor

5.2 Operating Environment

5.2.1 Runtime Parameters (List all Dynamic Parameters needed at Runtime)

Table 5-4. Runtime Parameters for CER9.1P1

Parameter	Description	Data Type	Valid Values
yyyy	CERDataYear	I(4)	yyyy 4-digit year
mm	CERDataMonth	I(2)	mm 01 - 12

5.2.2 Environment Script Requirements

Refer to the CERES internal paper (Reference 1) for a detailed description of the CERES environment parameters.

One Environment Script is required. It is named **'TISAgrid9.1-env.pl'** and it uses the following environment variables expected to be set by the ASDC:

MANUALRUN - Flag for Production Process, flag set to true indicates process is manual, flag set to false indicates process is APGS.
TESTRUN - Flag for SSIT Process, flag set to true indicates SSIT test run, flag set to false indicates process is not SSIT test run.
SS12 - Sampling Strategy for Regrid MOA, see Production Request
PS12 - Production Strategy for Regrid MOA, see Production Request
CC9_1 - Configuration Code for PMOA, see CM database

CC12	-	Configuration Code for Regrid MOA, see Production Request
SW9	-	Software Configuration Code for PMOA, see CM database
DATA9	-	Data Configuration Code for PMOA, see CM database

5.2.3 Execution Frequency (daily,hourly,..)

monthly (1/mth) - This PGE is to be processed once per month when input for an entire data month is available.

5.2.4 Memory/Disk Space/Time Requirements

Memory: **397 MB**
Disk Space: **15.5 GB**
Total Run Time: **7 hours, 30 minutes**

5.2.5 Restrictions Imposed in Processing Order

This PGE can be run when an entire month of data have been processed through PGE CER12.1P1.

5.3 Processor Dependencies (Previous PGEs, Ingest Data,..)

5.3.1 Input Dataset Name (#1): MOA

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/sarb/data/out_comp/data/regridmoa
   CER_MOA_${SS12}_${PS12}_${CC12}.yyyymmddhh, where dd = 01..31, hh = 00 ..23

   1. Mandatory/Optional: **These files are Mandatory**.
   2. Time Related Dependency:

      These data must match the Runtime Parameter: yyyy,mm,dd,hh.

   3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

   Source PGE: CER12.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **May be needed for subsequent PGEs.**

e. Typical file size (MB): **8.3 per hour**

5.3.2 Input Dataset Name (#1): MOA (Overlap hours)

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/sarb/data/out_comp/data/regridmoa
   CER_MOA_${SS12}_${PS12}_${CC12}.xyyypmldhh

$CERESHOME/sarb/data/out_comp/data/regridmoa
CER_MOA_${SS12}_${PS12}_${CC12}.xyyynmfdhh

12 hours where xyyypmld equals the year, month, and day corresponding to the Last day of the previous month and the hours hh = 12 .. 23
12 hours where xyyynmfd equals the year, month, and day corresponding to the First day of the following month and the hours hh = 00 .. 11

1. Mandatory/Optional: **These files are mandatory, if they exist.**
2. Time Related Dependency:
3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER12.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **May be needed for subsequent PGEs**

e. Typical file size (MB): **8.3 per hour**

5.4 Operating Procedures (Procedure for each part of the processor's elements)

The Post-MOA processor script, **tisa_post_moa_processor.csh**, references a PCF which contains the correct file names and paths for the PGE. This PCF is created by first sourcing the TISAgrid specific environment script, **TISAgrid9.1-env.pl**, then executing the ASCII file generator, **input_gen_9.1P1.pl**, and the PCF generator, **pcf_gen_9.1P1.pl**.

5.4.1 How to Generate the ASCII File

The ASCII file generator, **input_gen_9.1P1.pl**, requires two command line argument: 4-digit data year (yyyy) and 2-digit data month (mm).

At the command line (>) type:

```
> cd $CERESHOME/tisa_grid/CER9.1P1/rcf
>
> $CERESHOME/tisa_grid/CER9.1P1/rcf/input_gen_9.1P1.pl yyyymm
```

The following file will be generated in $CERESHOME/tisa_grid/rcf/pif:

CER9.1P1_PCFin_${SS12}_${PS12}_${CC9_1}.yyyymm

5.4.2 How to Generate the PCF File

The PCF generator, **pcf_gen_9.1P1.pl**, is executed using the newly created ASCII input file name as a command line argument.

At the command line (>) type:

```
> cd $CERESHOME/tisa_grid/CER9.1P1/rcf
> set PIFDIR = $CERESHOME/tisa_grid/CER9.1P1/rcf/pif
> $CERESHOME/tisa_grid/CER9.1P1/rcf/pcf_gen_9.1P1.pl
    $PIFDIR/CER9.1P1_PCFin_${SS12}_${PS12}_${CC9_1}.yyyymm
```

The following file will be generated in $CERESHOME/tisa_grid/CER9.1P1/rcf/pcf:

CER9.1P1_PCF_${SS12}_${PS12}_${CC9_1}.yyyymm

5.4.3 How to Execute the Main Processor

Execute the production script by typing the script name, **tisa_post_moa_processor.csh**, followed by the newly created PCF file name as a command line argument.

At the command line (>) type:

```
> cd $CERESHOME/tisa_grid/CER9.1P1/rcf
> set PCFDIR = $CERESHOME/tisa_grid/CER9.1P1/rcf/pcf
> $CERESHOME/tisa_grid/CER9.1P1/rcf/tisa_post_moa_processor.csh
    $PCFDIR/CER9.1P1_PCF_${SS12}_${PS12}_${CC9_1}.yyyymm
```

5.4.4 Special Case Considerations

N/A, at this time. Special case considerations will be handled on a case-by-case basis, where special instructions will accompany each special request.

5.4.5 File Cleanup for a Failed Job

The clean script can be run following an unsuccessful job execution to remove all created files associated with the job, including output. This script should be used with great care.

At the command line (>) type:

```
> $CERESHOME/tisa_grid/CER9.1P1/rcf/clean.pl 9.1 yyyymm
```

5.4.6 Special Reprocessing Instructions

All output files are opened with Status = NEW in PGE CER9.1P1 software. All output files must be removed before reprocessing.

5.5 Execution Evaluation

5.5.1 Exit Codes

The processor CER9.1P1 terminates using the CERES-defined EXIT CODES for the Langley TRMM Information System (LaTIS) as seen in Section 5.5.1. Other Exit Codes may appear from the program, which may be the result of a system, compiler, or Toolkit related error. In these cases, contact the responsible person (see Section 5.1.1) for assistance.

Table 5-5. Exit Codes for CER9.1P1

Exit Code	Definition	Action
0	Normal Exit	Proceed normally
202	Failure	Check the Log Files and take the appropriate action (see Appendix B).

5.5.2 Screen Messages (Use Table format for large number of messages)

When running the PCF generation script, **pcf_gen_9.1.pl**, the system message, "No match," may be written to the screen. This message occurs when the scripts try to remove a file that does not exist. This does not signify a problem.

5.5.3 Log and Status Files Results (Include ALL Log Files)

The Log files contain all error and/or status messages produced by the PGE. The files are located in directory: **$CERESHOME/tisa_grid/runlogs**.

1. **Report Log File: CER9.1P1_LogReport_${SS12}_${PS12}_${CC9_1}.yyyymm**

The Report Log File contains the TISA Gridding related messages. These messages may be strictly informative (Error Type = Status or Warning) or may indicate a fatal condition that results in premature PGE termination (Error Type = Fatal). A comprehensive list of these messages, that can be generated during the execution of the PGE, is contained in Appendix B.

2. **Status Log File: CER9.2P1_LogStatus_${SS12}_${PS12}_${CC9_1}.yyyymm**

The Status Log File contains all messages created by the Toolkit. If an abnormal exit is encountered by the PGE, this file should be examined for '_F_', fatal message type. The responsible person should be advised.

3. **User Log File: CER9.1P1_LogUser_${SS12}_${PS12}_${CC9_1}.yyyymm**

The User Log File is not used at this time, but exists to satisfy the Toolkit requirements. Typically the _U_ and _N_ (User information and Notice) will be written to User Log File and Status Log File.

5.5.4 Solutions to Possible Problems

As mentioned in Section 5.4.5, all output files are opened with Status = NEW in PGE CER9.1P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

5.5.5 Conditions for Subsystem and/or Target PGE(s) Terminal Failure (Halt all further processing)

a. Subsystem Termination

There are no foreseeable PGE terminating conditions at this time.

b. Target PGE Termination

If any of the **.met** files are missing from the expected output, this condition must terminate all further Target PGE processing.

5.6 Expected Output Dataset(s)

The expected Output Datasets are listed below for each instance of the PGE. This PGE is expected to process 1 time per month and create 4 output files.

Table 5-6. Expected Output File Listing for CER9.1P1

File Name[a]/Directory	m/o	File Size (MB)	Freq/ PGE	Target PGE	Destination[b]
CER9.1P1_PCFin_CERES_${SS12}_${PS12}_${CC9_1}.yyyymm @($CERESHOME/tisa_grid/CER9.1P1/rcf/pif)	m	.001	1/mth	N/A	Archive, rm
CER9.1P1_PCF_CERES_${SS12}_${PS12}_${CC9_1}.yyyymm @($CERESHOME/tisa_grid/CER9.1P1/rcf/pcf)	m	.001	1/mth	N/A	Archive, rm
CER9.1P1_LogReport_${SS12}_${PS12}_${CC9_1}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.005	1/mth	N/A	Archive, rm
CER9.1P1_LogStatus_${SS12}_${PS12}_${CC9_1}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.005	1/mth	N/A	Archive, rm
CER9.1P1_LogUser_${SS12}_${PS12}_${CC9_1}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.005	1/mth	N/A	Archive, rm
CER_PMOA_${SS12}_${PS12}_${CC9_1}.yyyymmFn(.met) @($CERESHOME/tisa_grid/data/out_comp/data/PMOA)	m	5673.9	4/mth	CER6.1P1 CER7.1.1P1 CER8.1P1 CER9.2P1 CER10.1P1	Archive

a. See Section 5.2 for information on variable data values
If "**(.met)**" is written next to an expected Output Filename, then the metadata file **must** exist with the identical filename and .met extension.

b. VD - Validation Days in 1998 (Jan./5, 12, 19, 26/, Apr./6, 13, 20, 27/, July/6, 13, 20, 27/, Oct./5, 12, 19, 26/)
/QA - File is to be written to the DAAC designated /QA directory
DB - File content is to be entered into the LaTIS Database
rm - remove
yyyy - 4-digit year
mm - 2-digit month {valid values: 01 .. 12}
n - number of files { valid values: 1 .. 4 }
m - mandatory output
o - optional output
mth - month

5.7 Expected Temporary Files/Directories

Table 5-7. Temporary Files Listing

Directory	File Name
${CERESHOME}/tisa_grid/data/scr/	SED_yyyymm
${CERESHOME}/tisa_grid/data/scr/	MOA_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	PMOA_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	PMOA_MET_FILES_yyyymm

6.0 PGEName: CER9.2P1

CER9.2P1 - CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 Main Processor

6.1 PGE Details

6.1.1 Responsible Persons

Table 6-1. Subsystem Software Analysts Contacts

Item	Primary	Alternate
Contact Name	Rajalekshmy Raju	Cathy Nguyen
Organization	SSAI	SSAI
Address	1 Enterprise Parkway	1 Enterprise Parkway
City	Hampton	Hampton
State	VA 23666	VA 23666
Phone	951-1673	951-1666
Fax	951-1900	951-1900
LaRC email	Rajalekshmy.I.Raju@nasa.gov	Le.T.Nguyen@nasa.gov

6.1.2 E-mail Distribution List

E-mail distribution list can be obtained from the primary contact listed in Section 6.1.1.

6.1.3 Parent PGE(s)

Table 6-2. Parent PGEs for CER9.2P1

PGEName	Description
CER4.5-6.1P1	CERES Inversion to Instantaneous TOA Fluxes and Empirical Estimates of Surface Radiation Budget Subsystems 4.5 and 4.6 Main Processor
CER9.1P1	CERES Post Meteorological, Ozone, and Aerosol Processor

6.1.4 Target PGE(s)

Table 6-3. Target PGEs after CER9.2P1

PGEName	Description
CER9.3P1	CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 Postprocessor

6.2 Operating Environment

6.2.1 Runtime Parameters (List all Dynamic Parameters needed at Runtime)

Table 6-4. Runtime Parameters for CER9.2P1

Parameter	Description	Data Type	Valid Values
yyyymmddhh	CERDataDate	I(10)	yyyy 4-digit year mm 01 - 12 dd 01 - 31 hh 00 - 23

6.2.2 Environment Script Requirements

Refer to the CERES internal paper (Reference 1) for a detailed description of the CERES environment parameters.

One Environment Script is required. It is named '**TISAgrid9.2-env.pl**' and it uses the following environment variables expected to be set by the ASDC:

SS4_5 - Sampling Strategy for Inversion, see Production Request
SS9 - Sampling Strategy for TISAgrid Subsystem 9.0, see Production Request
SS12 - Sampling Strategy for RegridMOA, see Production Request
PS4_5 - Production Strategy for Inversion, see Production Request
PS9 - Production Strategy for TISAgrid Subsystem 9.0, PGE CER9.2P1, see Production Request
PS12 - Production Strategy for RegridMOA, see Production Request
CC4_5 - Configuration Code for Inversion, see CM database
CC9 - Configuration Code for TISAgrid Subsystem 9.0, PGE CER9.2P1, see CM database
CC9_1 - Configuration Code for TISAgrid Post-MOA, see CM database
SW9 - Software Configuration Code for TISAgrid Subsystem 9.0, see CM database
DATA9 - Data Configuration Code for TISAgrid Subsystem 9.0, see CM database

6.2.3 Execution Frequency (daily,hourly,..)

hourly (1/hr) - This PGE is to be processed once per data hour, a maximum total of 744 hours per month, when input is available.

6.2.4 Memory/Disk Space/Time Requirements

Memory: **128 MB**
Disk Space: **5.7 GB**
Total Run Time: **6 - 12 minutes**

6.2.5 Restrictions Imposed in Processing Order

Last 12 hours of the month must be run sequentially, noon to midnight. Failed input should not be staged from previous PGEs.

6.3 Processor Dependencies (Previous PGEs, Ingest Data,..)

6.3.1 Input Dataset Name (#1): SSFB

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

$CERESHOME/inversion/data/out_comp/data/
CER_SSFB_${SS4_5}_${PS4_5}_${CC4_5}.yyyymmddhh, where dd = 01..31, hh = 00..23
$CERESHOME/inversion/data/out_comp/data/
CER_SSFB_${SS4_5}_${PS4_5}_${CC4_5}.yyyymmddHH, where dd = 01..31, HH = hh+1

1. Mandatory/Optional: **The file of the hour being processed is mandatory, if exist, and the file of the next hour is Optional.**
2. Time Related Dependency:

   These data must match the Runtime Parameter: yyyy,mm,dd,hh.

3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER4.5-6.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove after these data have been successfully run through PGE CER5.1P1 and CER9.2P1.**

e. Typical file size (MB): **130.0 per hour**

6.3.2 Input Dataset Name (#1): SSFB (Overlap hours)

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

$CERESHOME/inversion/data/out_comp/data/
CER_SSFB_${SS4_5}_${PS4_5}_${CC4_5}.xyyypmldhh

$CERESHOME/inversion/data/out_comp/data/
CER_SSFB_${SS4_5}_${PS4_5}_${CC4_5}.xyyypmldhh+1

$CERESHOME/inversion/data/out_comp/data/
CER_SSFB_${SS4_5}_${PS4_5}_${CC4_5}.xyyynmfdhh
$CERESHOME/inversion/data/out_comp/data/
CER_SSFB_${SS4_5}_${PS4_5}_${CC4_5}.xyyynmfdhh+1

12 files where xyyypmld equals the year, month, and day corresponding to the Last day of the previous month and the hours hh = 12 .. 23
12 files where xyyynmfd equals the year, month, and day corresponding to the First day of the next month and the hours hh = 00 .. 11

1. Mandatory/Optional: **These files are mandatory, if they exist.**
2. Time Related Dependency:
3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER4.5-6.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove after these data have been successfully run through PGE CER5.1P1 and CER9.2P1.**

e. Typical file size (MB): **130.0 per hour**

6.3.3 Input Dataset Name (#1): SSFA

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

$CERESHOME/inversion/data/out_comp/data/
CER_SSFA_${SS4_5}_${PS4_5}_${CC4_5}.yyyymmddhh, where dd = 01..31, hh = 00..23

$CERESHOME/inversion/data/out_comp/data/
CER_SSFA_${SS4_5}_${PS4_5}_${CC4_5}.yyyymmddHH, where dd = 01..31, HH = hh+1

1. Mandatory/Optional: **These files are not available for TRMM data. For Terra and Aqua processing, the file of the hour being processed is mandatory and the file of the next hour is Optional.**
2. Time Related Dependency:
   These data must match the Runtime Parameter: yyyy,mm,dd,hh.
3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER4.5-6.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove after these data have been successfully run through PGE CER5.1P1 and CER9.2P1.**

e. Typical file size (MB): **15.0 per hour**

6.3.4 Input Dataset Name (#1): SSFA (Overlap hours)

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

$CERESHOME/inversion/data/out_comp/data/
CER_SSFA_${SS4_5}_${PS4_5}_${CC4_5}.xyyypmldhh
$CERESHOME/inversion/data/out_comp/data/
CER_SSFA_${SS4_5}_${PS4_5}_${CC4_5}.xyyypmldhh+1

$CERESHOME/inversion/data/out_comp/data/
CER_SSFA_${SS4_5}_${PS4_5}_${CC4_5}.xyyynmfdhh
$CERESHOME/inversion/data/out_comp/data/
CER_SSFA_${SS4_5}_${PS4_5}_${CC4_5}.xyyynmfdhh+1

12 files where xyyypmld equals the year, month, and day corresponding to the Last day of the previous month and the hours hh = 12 .. 23
12 files where xyyynmfd equals the year, month, and day corresponding to the First day of the next month and the hours hh = 00 .. 11

1. Mandatory/Optional: **These files are not available for TRMM data. For Terra and Aqua processing, the files are mandatory, if they exist.**
2. Time Related Dependency:
3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER4.5-6.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove after these data have been successfully run through PGE CER5.1P1 and CER9.2P1.**

e. Typical file size (MB): **15.0 per hour**

6.3.5 Input Dataset Name (#2): PMOA

a. Directory Location/Inputs Expected (Including .met files, Header files, etc.)

$CERESHOME/tisa_grid/data/out_comp/data/PMOA/
CER_PMOA_${SS12}_${PS12}_${CC9_1}.yyyymmF1
CER_PMOA_${SS12}_${PS12}_${CC9_1}.yyyymmF2
CER_PMOA_${SS12}_${PS12}_${CC9_1}.yyyymmF3
CER_PMOA_${SS12}_${PS12}_${CC9_1}.yyyymmF4

1. Mandatory/Optional: **These files are Mandatory.**
2. Time Related Dependency: **These data must match the Runtime Parameters: yyyy,mm.**
3. Waiting Period: **None.**

b. Source of Information (Source PGE name or Ingest Source):

Source PGE: CER9.1P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Do not remove, will be needed for other PGEs.**

e. Typical file size (MB): **5673.9 (total size for all 4 files combined)**

6.4 Operating Procedures (Procedure for each part of the processor's elements)

The Subsystem 9.0 Main Processor script, **tisa_grid-9_main_processor.csh**, references a Process Control File (PCF) which contains the correct file names and paths for the PGE. This PCF is created by first sourcing the TISAgrid specific environment script, **TISAgrid9.2-env.pl**, then executing the ASCII file generator, **input_gen_9.2P1.pl**, and the PCF generator, **pcf_gen_9.2P1.csh**.

6.4.1 How to Generate the ASCII File

The ASCII file generator, **input_gen_9.2P1.pl**, requires one command line argument: 10-digit data date (yyyymmddhh), where yyyy is a 4-digit year, mm is a 2-digit month, dd is a 2-digit day, and hh is a 2-digit hour of day.

At the command line (>) type:

> $CERESHOME/tisa_grid/CER9.2P1/rcf/input_gen_9.2P1.pl yyyymmddhh

The following file will be generated in $CERESHOME/tisa_grid/CER9.2P1/rcf/pif:

CER9.2P1_PCFin_${SS9}_${PS9}_${CC9}.yyyymmddhh

6.4.2 How to Generate the PCF File

The PCF generator, **pcf_gen_9.2P1.pl**, is executed using the newly created ASCII input file name as a command line argument.

At the command line (>) type:

> set PIFDIR = $CERESHOME/tisa_grid/CER9.2P1/rcf/pif
> $CERESHOME/tisa_grid/CER9.2P1/rcf/pcf_gen_9.2P1.pl
$PIFDIR/CER9.2P1_PCFin_${SS9}_${PS9}_${CC9}.yyyymmddhh

The following file will be generated in $CERESHOME/tisa_grid/CER9.2P1/rcf/pcf:

CER9.2P1_PCF_${SS9}_${PS9}_${CC9}.yyyymmddhh

6.4.3 How to Execute the Main Processor

Execute the production script by typing the script name, **tisa_grid-9_main_processor.csh**, followed by the newly created PCF file name as a command line argument.

At the command line (>) type:

```
> set PCFDIR = $CERESHOME/tisa_grid/CER9.2P1/rcf/pcf
> $CERESHOME/tisa_grid/CER9.2P1/rcf//tisa_grid-9_main_processor.csh
  $PCFDIR/CER9.2P1_PCF_${SS9}_${PS9}_${CC9}.yyyymmddhh
```

6.4.4 Special Case Considerations

N/A, at this time. Special case considerations will be handled on a case-by-case basis, where special instructions will accompany each special request.

6.4.5 File Cleanup for a Failed Job

The clean script can be run following an unsuccessful job execution to remove all created files associated with the job, including output. This script should be used with great care:

At the command line (>) type:

```
> $CERESHOME/tisa_grid/CER9.2P1/rcf/clean.pl 9.2 yyyymmddhh
```

6.4.6 Special Reprocessing Instructions

All output files are opened with Status = NEW in PGE CER9.2P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

6.5 Execution Evaluation

6.5.1 Exit Codes

The processor CER9.2P1 terminates using the CERES-defined EXIT CODES for the Langley TRMM Information System (LaTIS) as seen in Section 6.5.1. Other Exit Codes may appear from the program, which may be the result of a system, compiler, or Toolkit related error. In these cases, contact the responsible person (see Section 6.1.1) for assistance.

Table 6-5. Exit Codes for CER9.2P1

Exit Code	Definition	Action
0	Normal Exit	Proceed normally
202	Failure	Check the Log Files and take the appropriate action (see Appendix B).

6.5.2 Screen Messages (Use Table format for large number of messages)

When running the PCF generation script, **pcf_gen_9.2P1.pl**, the system message, "No match," may be written to the screen. This message occurs when the scripts try to remove a file that does not exist. This does not signify a problem.

6.5.3 Log and Status Files Results (Include ALL Log Files)

The Log files contain all error and/or status messages produced by the PGE. The files are located in directory: **$CERESHOME/tisa_grid/runlogs**.

1. **Report Log File: CER9.2P1_LogReport_${SS9}_${PS9}_${CC9}.yyyymmddhh**

The Report Log File contains the TISA Gridding related messages. These messages may be strictly informative (Error Type = Status or Warning) or may indicate a fatal condition that results in premature PGE termination (Error Type = Fatal). A comprehensive list of these messages, that can be generated during the execution of the PGE, is contained in Appendix B.

2. **Status Log File: CER9.2P1_LogStatus_${SS9}_${PS9}_${CC9}.yyyymmddhh**

The Status Log File contains all messages created by the Toolkit. If an abnormal exit is encountered by the PGE, this file should be examined for '_F_', fatal message type. The responsible person should be advised.

3. **User Log File: CER9.2P1_LogUser_${SS9}_${PS9}_${CC9}.yyyymmddhh**

The User Log File is not used at this time, but exists to satisfy the Toolkit requirements. Typically the _U_ and _N_ (User information and Notice) will be written to User Log File and Status Log File.

6.5.4 Solutions to Possible Problems

All output files are opened with Status = NEW in PGE CER9.2P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

6.5.5 Conditions for Subsystem and/or Target PGE(s) Terminal Failure (Halt all further processing)

a. Subsystem Termination

There are no foreseeable PGE terminating conditions at this time. If one hour fails, continue processing the next hour.

b. Target PGE Termination

If any of the **.met** files are missing from the expected output, this condition must terminate all further Target PGE processing.

6.6 Expected Output Dataset(s)

The expected Output Datasets are listed below for each instance of the PGE. This PGE is expected to process 744 times, maximum, in a 31 day month. In addition, the PGE is expected to process a maximum of 12 times, once each for the last twelve hours of the previous month, and a maximum of 12 times, once each for the first twelve hours of the following month.

Table 6-6. Expected Output File Listing for CER9.2P1

File Name[a]/Directory	m/o	File Size (MB)	Freq/PGE	Target PGE	Destination[b]
CER9.2P1_PCFin_${SS9}_${PS9}_${CC9}.yyyymmddhh @($CERESHOME/tisa_grid/CER9.2P1/rcf/pif)	m	.001	1/hr	N/A	Archive, rm
CER9.2P1_PCF_${SS9}_${PS9}_${CC9}.yyyymmddhh @($CERESHOME/tisa_grid/CER9.2P1/rcf/pcf)	m	.001	1/hr	N/A	Archive, rm
CER9.2P1_LogReport_${SS9}_${PS9}_${CC9}.yyyymmddhh @($CERESHOME/tisa_grid/runlogs)	m	.001	1/hr	N/A	Archive, rm
CER9.2P1_LogStatus_${SS9}_${PS9}_${CC9}.yyyymmddhh @($CERESHOME/tisa_grid/runlogs)	m	.001	1/hr	N/A	Archive, rm
CER9.2P1_LogUser_${SS9}_${PS9}_${CC9}.yyyymmddhh @($CERESHOME/tisa_grid/runlogs)	m	.001	1/hr	N/A	Archive, rm
CER_SFC-HR_${SS9}_${PS9}_${CC9}.yyyymmddhh(.met) @($CERESHOME/tisa_grid/data/int_prod/SFC_hour)	m	10.4	1/hr	CER9.3P1	Archive
CER_MOVLP_${SS9}_${PS9}_${CC9}.yyyymmddhh(.met)[c] @($CERESHOME/tisa_grid/data/int_prod/SFC_hour)	m/o	8.8	24/mnth	CER9.3P1	Archive[c]
CER_MRGRP_${SS9}_${PS9}_${CC9}.yyyymmddhh(.met) @($CERESHOME/tisa_grid/data/int_prod/SFC_hour)	o	1	1/hr	N/A	Archive, rm

a. See Section 6.2 for information on variable data values
If "**(.met)**" is written next to an expected Output Filename, then the metadata file **must** exist with the identical filename and .met extension.

b. VD - Validation Days in 1998 (Jan./5, 12, 19, 26/, Apr./6, 13, 20, 27/, July/6, 13, 20, 27/, Oct./5, 12, 19, 26/)
/QA - File is to be written to the DAAC designated /QA directory
DB - File content is to be entered into the LaTIS Database
rm - remove
yyyy - 4-digit year
mm - 2-digit month {valid values: 01 .. 12}

dd - 2-digit day {valid values: 01 .. 31}
hh - 2-digit hour of the day {valid values: 00 .. 23}
m - mandatory output
o - optional output
mth - month
hr - hour

c. CER_MOVLP_${SS9}_${PS9}_${CC9}.yyyymmddhh(.met). These overlap files get generated for the first 12 hours and the last 12 hours of the current month process. In addition overlap files get generated for the last 12 hours of the previous month (xyyypmld) and the first 12 hours of the next month (xyyynmfd) process. These previous month and the next month overlap files (24) are expected to be included in the current month PGE CER9.3P1 process. If any of the overlap files have been previously created, either from the previous month or the next month processing, then they will not be created again. See Section 6.3.2 for the detail description. See Section 6.4.6 for reprocessing instructions. Archive at the End of Data Month (EOD).

6.7 Expected Temporary Files/Directories

Table 6-7. Temporary Files Listing

Directory	File Name
${CERESHOME}/tisa_grid/data/scr/	SED_${SS9}_${PS9}_${CC9}.yyyymmddhh
${CERESHOME}/tisa_grid/data/scr/	PMOA_FILES_${SS9}_${PS9}_${CC9}.yyyymmddhh

7.0 PGEName: CER9.3P1

CER9.3P1 - CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 Postprocessor

7.1 PGE Details

7.1.1 Responsible Persons

Table 7-1. Subsystem Software Analysts Contacts

Item	Primary	Alternate
Contact Name	Rajalekshmy Raju	Cathy Nguyen
Organization	SSAI	SSAI
Address	1 Enterprise Parkway	1 Enterprise Parkway
City	Hampton	Hampton
State	VA 23666	VA 23666
Phone	951-1673	951-1666
Fax	951-1900	951-1900
LaRC email	Rajalekshmy.I.Raju@nasa.gov	Le.T.Nguyen@nasa.gov

7.1.2 E-mail Distribution List

E-mail distribution list can be obtained from the primary contact listed in Section 7.1.1.

7.1.3 Parent PGE(s)

Table 7-2. Parent PGEs for CER9.3P1

PGEName	Description
CER9.2P1	CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 Main Processor

7.1.4 Target PGE(s)

Table 7-3. Target PGEs after CER9.3P1

PGEName	Description
CER9.4P1	CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 HDF Postprocessor
CER10.1P1	CERES Monthly TOA and SRB Averages Subsystem 10.0 Main Processor

7.2 Operating Environment

7.2.1 Runtime Parameters (List all Dynamic Parameters needed at Runtime)

Table 7-4. Runtime Parameters for CER9.3P1

Parameter	Description	Data Type	Valid Values
yyyy	CERDataYear	I(4)	yyyy 4-digit year
mm	CERDataMonth	I(2)	mm 01 - 12

7.2.2 Environment Script Requirements

Refer to the CERES internal paper (Reference 1) for a detailed description of the CERES environment parameters.

One Environment Script is required. It is named **'TISAgrid9.3-env.pl'** and it uses the following environment variables expected to be set by the ASDC:

MANUALRUN - Flag for Production Process, flag set to true indicates process is manual, flag set to false indicates process is APGS.

TESTRUN - Flag for SSIT Process, flag set to true indicates SSIT test run, flag set to false indicates process is not SSIT test run.

SS9 - Sampling Strategy for TISAgrid Subsystem 9.0, see Production Request

PS9 - Production Strategy for TISAgrid Subsystem 9.0, PGE CER9.2P1, see Production Request

PS9_3 - Production Strategy for TISAgrid Subsystem 9.0, PGE CER9.3P1, see Production Request

CC9 - Configuration Code for TISAgrid Subsystem 9.0, PGE CER9.2P1, see CM database

CC9_3 - Configuration Code for TISAgrid Subsystem 9.0, PGE CER9.3P1, see CM database

SW9	-	Software Configuration Code for TISAgrid Subsystem 9.0, see CM database
DATA9	-	Data Configuration Code for TISAgrid Subsystem 9.0, see CM database

7.2.3 Execution Frequency (daily,hourly,..)

monthly (1/mth) - This PGE is to be processed once per month when input for an entire data month is available.

7.2.4 Memory/Disk Space/Time Requirements

Memory: **484 MB**
Disk Space: **18 GB**
Total Run Time: **14 minutes**

7.2.5 Restrictions Imposed in Processing Order

This PGE can be run when at least one hour of data have been processed through PGE CER9.2P1.

7.3 Processor Dependencies (Previous PGEs, Ingest Data,..)

7.3.1 Input Dataset Name (#1): SFC-HR

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/tisa_grid/data/int_prod/SFC_hour/ CER_SFC-HR_${SS9}_${PS9}_${CC9}.yyyymmddhh, where dd = 01..31 and hh = 00..23

   1. Mandatory/Optional: **At least one input dataset or one MOVLP file must exist.**
   2. Time Related Dependency:

      The Runtime Parameter: **yyyy,mm. must match the yyyymm on the input dataset name. All DataSet(s) for this year and month are expected, if they exist.**

   3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

   Source PGE: CER9.2P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove**

e. Typical file size (MB): **10.4 per hour (total of 744 hours)**

7.3.2 Input Dataset Name (#1): MOVLP (Overlap hours)

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

$CERESHOME/tisa_grid/data/int_prod/SFC_hour/
CER_MOVLP_${SS9}_${PS9}_${CC9}.xyyypmldhh
$CERESHOME/tisa_grid/data/int_prod/SFC_hour/
CER_MOVLP_${SS9}_${PS9}_${CC9}.xyyynmfdhh

12 files where xyyypmld equals the year, month, and day corresponding to the Last day of the previous month and the hours hh = 12 .. 23
12 files where xyyynmfd equals the year, month, and day corresponding to the First day of the next month and the hours hh = 00 .. 11

1. Mandatory/Optional: **These files are mandatory, if file exist.**
2. Time Related Dependency: **N/A**
3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

Source PGE: CER9.2P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **Remove**

e. Typical file size (MB): **8.8 per hour (total of 24 hours)**

7.4 Operating Procedures (Procedure for each part of the processor's elements)

The Subsystem 9.0 Post processor script, **tisa_grid-9_post_processor.csh**, references a PCF which contains the correct file names and paths for the PGE. This PCF is created by first sourcing the TISAgrid specific environment script, **TISAgrid9.3-env.pl**, then executing the ASCII file generator, **input_gen_9.3P1.pl**, and the PCF generator, **pcf_gen_9.3P1.pl**.

7.4.1 How to Generate the ASCII File

The ASCII file generator, **input_gen_9.3P1.pl**, requires two command line argument: 4-digit data year (yyyy) and 2-digit data month (mm).

At the command line (>) type:

> set PIFDIR = $CERESHOME/tisa_grid/CER9.3P1/rcf/pif
> $CERESHOME/tisa_grid/CER9.3P1/rcf/input_gen_9.3P1.pl yyyymm

The following file will be generated in $CERESHOME/tisa_grid/CER9.3P1/rcf/pif:

CER9.3P1_PCFin_${SS9}_${PS9_3}_${CC9_3}.yyyymm

7.4.2 How to Generate the PCF File

The PCF generator, **pcf_gen_9.3P1.pl**, is executed using the newly created ASCII input file name as a command line argument.

At the command line (>) type:

> set PIFDIR = $CERESHOME/tisa_grid/CER9.3P1/rcf/pif
> $CERESHOME/tisa_grid/CER9.3P1/rcf//pcf_gen_9.3P1.pl
$PIFDIR/CER9.3P1_PCFin_${SS9}_${PS9_3}_${CC9_3}.yyyymm

The following file will be generated in $CERESHOME/tisa_grid/CER9.3P1/rcf/pcf:

CER9.3P1_PCF_${SS9}_${PS9_3}_${CC9_3}.yyyymm

7.4.3 How to Execute the Main Processor

Execute the production script by typing the script name, **tisa_grid-9_post_processor.csh**, followed by the newly created PCF file name as a command line argument.

At the command line (>) type:

> set PCFDIR = $CERESHOME/tisa_grid/CER9.3P1/rcf/pcf
> $CERESHOME/tisa_grid/CER9.3P1/rcf//tisa_grid-9_post_processor.csh
$PCFDIR/CER9.3P1_PCF_${SS9}_${PS9_3}_${CC9_3}.yyyymm

7.4.4 Special Case Considerations

N/A, at this time. Special case considerations will be handled on a case-by-case basis, where special instructions will accompany each special request.

7.4.5 File Cleanup for a Failed Job

The clean script can be run following an unsuccessful job execution to remove all created files associated with the job, including output. This script should be used with great care:

At the command line (>) type:

> $CERESHOME/tisa_grid/rcf/clean.pl 9.3 yyyymm

7.4.6 Special Reprocessing Instructions

All output files are opened with Status = NEW in PGE CER9.3P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

7.5 Execution Evaluation

7.5.1 Exit Codes

The processor CER9.3P1 terminates using the CERES-defined EXIT CODES for the Langley TRMM Information System (LaTIS) as seen in Section 7.5.1. Other Exit Codes may appear from the program, which may be the result of a system, compiler, or Toolkit related error. In these cases, contact the responsible person (see Section 7.1.1) for assistance.

Table 7-5. Exit Codes for CER9.3P1

Exit Code	Definition	Action
0	Normal Exit	Proceed normally
202	Failure	Check the Log Files and take the appropriate action (see Appendix B).

7.5.2 Screen Messages (Use Table format for large number of messages)

When running the PCF generation script, **pcf_gen_9.3P1.csh**, the system message, "No match," may be written to the screen. This message occurs when the scripts try to remove a file that does not exist. This does not signify a problem.

7.5.3 Log and Status Files Results (Include ALL Log Files)

The Log files contain all error and/or status messages produced by the PGE. The files are located in directory: **$CERESHOME/tisa_grid/runlogs**.

1. **Report Log File: CER9.3P1_LogReport_${SS9}_${PS9_3}_${CC9_3}.yyyymm**

The Report Log File contains the TISA Gridding related messages. These messages may be strictly informative (Error Type = Status or Warning) or may indicate a fatal condition that results in premature PGE termination (Error Type = Fatal). A comprehensive list of these messages, that can be generated during the execution of the PGE, is contained in Appendix B.

2. **Status Log File: CER9.3P1_LogStatus_${SS9}_${PS9_3}_${CC9_3}.yyyymm**

The Status Log File contains all messages created by the Toolkit. If an abnormal exit is encountered by the PGE, this file should be examined for '_F_', fatal message type. The responsible person should be advised.

3. **User Log File: CER9.3P1_LogUser_${SS9}_${PS9_3}_${CC9_3}.yyyymm**

The User Log File is not used at this time, but exists to satisfy the Toolkit requirements. Typically the _U_ and _N_ (User information and Notice) will be written to User Log File and Status Log File.

7.5.4 Solutions to Possible Problems

As mentioned in Section 7.4.5, all output files are opened with Status = NEW in PGE CER9.3P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

7.5.5 Conditions for Subsystem and/or Target PGE(s) Terminal Failure (Halt all further processing)

a. Subsystem Termination

There are no foreseeable PGE terminating conditions at this time.

b. Target PGE Termination

If any of the **.met** files are missing from the expected output, this condition must terminate all further Target PGE processing. If all zonal files aren't available, continue processing.

7.6 Expected Output Dataset(s)

The expected Output Datasets are listed below for each instance of the PGE. This PGE is expected to process 1 time per month and will create from 1 to 180 zonal files.

Table 7-6. Expected Output File Listing for CER9.3P1

File Name[a]/Directory	m/o	File Size (MB)	Freq/PGE	Target PGE	Destination[b]
CER9.3P1_PCFin_${SS9}_${PS9_3}_${CC9_3}.yyyymm @($CERESHOME/tisa_grid/CER9.3P1/rcf/pif)	m	.001	1/mth	N/A	Archive, rm
CER9.3P1_PCF_${SS9}_${PS9_3}_${CC9_3}.yyyymm @($CERESHOME/tisa_grid/CER9.3P1/rcf/pcf)	m	.001	1/mth	N/A	Archive, rm
CER9.3P1_LogReport_${SS9}_${PS9_3}_${CC9_3}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER9.3P1_LogStatus_${SS9}_${PS9_3}_${CC9_3}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER9.3P1_LogUser_${SS9}_${PS9_3}_${CC9_3}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER_SFCB_${SS9}_${PS9_3}_${CC9_3}.yyyymmZnnn(.met) @($CERESHOME/tisa_grid/data/out_comp/data/SFC)	m	7738	1..180/mth	CER9.4P1 CER10.1P1	Archive
CER_MQCRP_${SS9}_${PS9_3}_${CC9_3}.yyyymm(.met) @($CERESHOME/tisa_grid/data/out_comp/data/SFC)	o	1	1/mth	N/A	Archive, rm

a. See Section 7.2 for information on variable data values
If "**(.met)**" is written next to an expected Output Filename, then the metadata file **must** exist with the identical filename and .met extension.

b. VD - Validation Days in 1998 (Jan./5, 12, 19, 26/, Apr./6, 13, 20, 27/, July/6, 13, 20, 27/, Oct./5, 12, 19, 26/)
/QA - File is to be written to the DAAC designated /QA directory
DB - File content is to be entered into the LaTIS Database
rm - remove
yyyy - 4-digit year

mm - 2-digit month {valid values: 01 .. 12}
dd - 2-digit day {valid values: 01 .. 31}
hh - 2-digit hour of the day {valid values: 00 .. 23}
nnn - 3-digit zone number {valid values: 001 .. 180}
m - mandatory output
o - optional output
mth - month

7.7 Expected Temporary Files/Directories

Table 7-7. Temporary Files Listing

Directory	File Name
${CERESHOME}/tisa_grid/data/int_prod/SFC_day	CER_SFCD_${SS9}_${PS9_3}_${CC9_3}.yyyymmdd
${CERESHOME}/tisa_grid/data/scr/	SED_yyyymm
${CERESHOME}/tisa_grid/data/scr/	SFCH_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	SFCD_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	SFCB_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	SFCB_MET_FILES_yyyymm

8.0 PGEName: CER9.4P1

CER9.4P1 - CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 HDF Postprocessor

8.1 PGE Details

8.1.1 Responsible Persons

Table 8-1. Subsystem Software Analysts Contacts

Item	Primary	Alternate
Contact Name	Rajalekshmy Raju	Cathy Nguyen
Organization	SSAI	SSAI
Address	1 Enterprise Parkway	1 Enterprise Parkway
City	Hampton	Hampton
State	VA 23666	VA 23666
Phone	951-1673	951-1666
Fax	951-1900	951-1900
LaRC email	Rajalekshmy.I.Raju@nasa.gov	Le.T.Nguyen@nasa.gov

8.1.2 E-mail Distribution List

E-mail distribution list can be obtained from the primary contact listed in Section 8.1.1.

8.1.3 Parent PGE(s)

Table 8-2. Parent PGEs for CER9.4P1

PGEName	Description
CER9.3P1	CERES Grid TOA and Surface Fluxes for Instantaneous Surface Product Subsystem 9.0 Postprocessor

8.1.4 Target PGE(s)

N/A

8.2 Operating Environment

8.2.1 Runtime Parameters

Table 8-3. Runtime Parameters for CER9.4P1

Parameter	Description	Data Type	Valid Values
yyyy	CERDataYear	I(4)	yyyy 4-digit year
mm	CERDataMonth	I(2)	mm 01 - 12

8.2.2 Environment Script Requirements

Refer to the CERES internal paper (Reference 1) for a detailed description of the CERES environment parameters.

One Environment Script is required. It is named **'TISAgrid9.4-env.pl'** and it uses the following environment variables expected to be set by the ASDC:

MANUALRUN - Flag for Production Process, flag set to true indicates process is manual, flag set to false indicates process is APGS.
TESTRUN - Flag for SSIT Process, flag set to true indicates SSIT test run, flag set to false indicates process is not SSIT test run.
SS9 - Sampling Strategy for TISAgrid Subsystem 9.0, see Production Request
PS9_3 - Production Strategy for TISAgrid Subsystem 9.0, PGE CER9.3P1, see Production Request
PS9 - Production Strategy for TISAgrid Subsystem 9.0, PGE CER9.4P1, see Production Request
CC9_3 - Configuration Code for TISAgrid Subsystem 9.0 PGE 9.3P1, see CM database
CC9_4 - Configuration Code for TISAgrid Subsystem 9.0 PGE 9.4P1, see CM database
SW9 - Software Configuration Code for TISAgrid Subsystem 9.0 PGE 9.4P1, see CM database
DATA9 - Data Configuration Code for TISAgrid Subsystem 9.0 PGE 9.4P1, see CM database

8.2.3 Execution Frequency (daily,hourly,..)

monthly (1/mth) - This PGE is to be processed once per month when input is available.

8.2.4 Memory/Disk Space/Time Requirements

Memory: **105 MB**
Disk Space: **12 GB**
Total Run Time: **~10 hours**

8.2.5 Restrictions Imposed in Processing Order

This PGE can be run immediately following the successful completion of PGE CER9.3P1.

8.3 Processor Dependencies (Previous PGEs, Ingest Data,..)

8.3.1 Input Dataset Name (#1): SFCB

a. Directory Location/Inputs Expected (Including .met files, header files, etc.):

   $CERESHOME/tisa_grid/data/out_comp/data/SFC/
   CER_SFCB_${SS9}_${PS9_3}_${CC9_3}.yyyymmZnnn, nnn = 001..180

   1. Mandatory/Optional: **These files are Mandatory if they exist.**
   2. Time Related Dependency:
      These data must match the Runtime Parameter: yyyy,mm. All available zones, maximum of 180, for this year and month are expected.
   3. Waiting Period: **None, process when all input data are available.**

b. Source of Information (Source is PGE name or Ingest Source):

   Source PGE: CER9.3P1

c. Alternate Data Set, if one exists (maximum waiting period): **N/A**

d. File Disposition after successful execution: **These data are required by PGE CER10.1P1.**

e. Typical file size (MB): **7738.0 (total of 180 files)**

8.4 Operating Procedures (Procedure for each part of the processor's elements)

The Subsystem 9.0 HDF Postprocessor script, **tisa_grid_sfc_hdf_processor.csh**, references a PCF which contains the correct file names and paths for the PGE. This PCF is created by first sourcing the TISAgrid specific environment script, **TISAgrid9.4-env.pl**, then executing the ASCII file generator, **input_gen_9.4P1.pl**, and the PCF generator, **pcf_gen_9.4P1.pl**.

8.4.1 How to Generate the ASCII File

The ASCII file generator, **input_gen_9.4P1.pl**, requires two command line argument: 4-digit data year (yyyy) and 2-digit data month (mm).

At the command line (>) type:

> $CERESHOME/tisa_grid/CER9.4P1/rcf//input_gen_9.4P1.pl yyyymm

The following file will be generated in $CERESHOME/tisa_grid/CER9.4P1/rcf/pif:

CER9.4P1_PCFin_${SS9}_${PS9}_${CC9_4}.yyyymm

8.4.2 How to Generate the PCF File

The PCF generator, **pcf_gen_9.4P1.pl**, is executed using the newly created ASCII input file name as a command line argument.

At the command line (>) type:

```
> set PIFDIR = $CERESHOME/tisa_grid/CER9.4P1/rcf/pif
> $CERESHOME/tisa_grid/CER9.4P1/rcf/pcf_gen_9.4P1.pl
  $PIFDIR/CER9.4P1_PCFin_${SS9}_${PS9}_${CC9_4}.yyyymm
```

The following file will be generated in $CERESHOME/tisa_grid/CER9.4P1/rcf/pcf:

CER9.4P1_PCF_${SS9}_${PS9}_${CC9_4}.yyyymm

8.4.3 How to Execute the Main Processor

Execute the production script by typing the script name, **tisa_grid_sfc_hdf_processor.csh**, followed by the newly created PCF file name as a command line argument.

At the command line (>) type:

```
> set PCFDIR = $CERESHOME/tisa_grid/CER9.4P1/rcf/pcf
> $CERESHOME/tisa_grid/CER9.4P1/rcf//tisa_grid_sfc_hdf_processor.csh
  $PCFDIR/CER9.4P1_PCF_${SS9}_${PS9}_${CC9_4}.yyyymm
```

8.4.4 Special Case Considerations

N/A, at this time. Special case considerations will be handled on a case-by-case basis, where special instructions will accompany each special request.

8.4.5 File Cleanup for a Failed Job

The clean script can be run following an unsuccessful job execution to remove all created files associated with the job, including output. This script should be used with great care:

At the command line (>) type:

```
> $CERESHOME/tisa_grid/CER9.4P1/rcf//clean.pl 9.4 yyyymm
```

8.4.6 Special Reprocessing Instructions

All output files are opened with Status = NEW in PGE CER9.4P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

8.5 Execution Evaluation

8.5.1 Exit Codes

The processor CER9.4P1 terminates using the CERES-defined EXIT CODES for the Langley TRMM Information System (LaTIS) as seen in Section 8.5.1. Other Exit Codes may appear from the program, which may be the result of a system, compiler, or Toolkit related error. In these cases, contact the responsible person (see Section 8.1.1) for assistance

Table 8-4. Exit Codes for CER9.4P1

Exit Code	Definition	Action
0	Normal Exit	Proceed normally
202	Failure	Check the Log Files and take the appropriate action (see Appendix B).

8.5.2 Screen Messages (Use Table format for large number of messages)

When running the PCF generation script, **pcf_gen_9.4P1.pl**, the system message, "No match," may be written to the screen. This message occurs when the scripts try to remove a file that does not exist. This does not signify a problem.

8.5.3 Log and Status Files Results (Include ALL Log Files)

The Log files contain all error and/or status messages produced by the PGE. The files are located in directory: **$CERESHOME/tisa_grid/runlogs**.

1. **Report Log File: CER9.4P1_LogReport_${SS9}_${PS9}_${CC9_4}.yyyymm**

The Report Log File contains the TISA Gridding related messages. These messages may be strictly informative (Error Type = Status or Warning) or may indicate a fatal condition that results in premature PGE termination (Error Type = Fatal). A comprehensive list of these messages, that can be generated during the execution of the PGE, is contained in Appendix B.

2. **Status Log File: CER9.4P1_LogStatus_${SS9}_${PS9}_${CC9_4}.yyyymm**

The Status Log File contains all messages created by the Toolkit. If an abnormal exit is encountered by the PGE, this file should be examined for '_F_', fatal message type. The responsible person should be advised.

3. **User Log File: CER9.4P1_LogUser_${SS9}_${PS9}_${CC9_4}.yyyymm**

The User Log File is not used at this time, but exists to satisfy the Toolkit requirements. Typically the _U_ and _N_ (User information and Notice) will be written to User Log File and Status Log File.

8.5.4 Solutions to Possible Problems

As mentioned in Section 8.4.5, all output files are opened with Status = NEW in PGE CER9.4P1 software. The PGE script has been designed to check for these files and to delete them prior to execution, but in the case of a change in the file permission status, the ASDC must take appropriate action. These files must be removed before reprocessing.

8.5.5 Conditions for Subsystem and/or Target PGE(s) Terminal Failure (Halt all further processing)

a. Subsystem Termination

There are no foreseeable PGE terminating conditions at this time.

b. Target PGE Termination

N/A

8.6 Expected Output Dataset(s)

The expected Output Datasets are listed below for each instance of the PGE. This PGE is expected to process 1 time per month and at most, create 18 files containing 10 zones of data in each file for TRMM and create 36 files containing 5 zones of data in each file for Terra/Aqua.

Table 8-5. Expected Output File Listing for CER9.4P1

File Name[a]/Directory	m/o	File Size (MB)	Freq/PGE	Target PGE	Destination[b]
CCER9.4P1_PCFin_${SS9}_${PS9}_${CC9_4}.yyyymm @($CERESHOME/tisa_grid/CER9.4P1/rcf/pif)	m	.001	1/mth	N/A	Archive, rm
CER9.4P1_PCF_${SS9}_${PS9}_${CC9_4}.yyyymm @($CERESHOME/tisa_grid/CER9.4P1/rcf/pcf)	m	.001	1/mth	N/A	Archive, rm
CER9.4P1_LogReport_${SS9}_${PS9}_${CC9_4}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER9.4P1_LogStatus_${SS9}_${PS9}_${CC9_4}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER9.4P1_LogUser_${SS9}_${PS9}_${CC9_4}.yyyymm @($CERESHOME/tisa_grid/runlogs)	m	.001	1/mth	N/A	Archive, rm
CER_SFC_${SS9}_${PS9}_${CC9_4}.yyyymmZnn(.met) @($CERESHOME/tisa_grid/data/out_comp/data/SFC_hdf)	m	7738	1..18/mnth for TRMM 1..36/mnth for Terra/Aqua	N/A	Archive, rm

a. See Section 8.2 for information on variable data values
If "**(.met)**" is written next to an expected Output Filename, then the metadata file **must** exist with the identical filename and .met extension.

b. VD - Validation Days in 1998 (Jan./5, 12, 19, 26/, Apr./6, 13, 20, 27/, July/6, 13, 20, 27/, Oct./5, 12, 19, 26/)
/QA - File is to be written to the DAAC designated /QA directory
DB - File content is to be entered into the LaTIS Database
rm - remove

yyyy - 4-digit year
mm - 2-digit month {valid values: 01 .. 12}
dd - 2-digit day {valid values: 01 .. 31}
hh - 2-digit hour of the day {valid values: 00 .. 23}
nn - 2-digit number {valid values: 01 .. 18 for TRMM; 1..36 for Terra}
m - mandatory output
o - optional output
mth - month

8.7 Expected Temporary Files/Directories

Table 8-6. Temporary Files Listing

Directory	File Name
${CERESHOME}/tisa_grid/data/scr/	SED_yyyymm
${CERESHOME}/tisa_grid/data/scr/	SFC_FILES_yyyymm
${CERESHOME}/tisa_grid/data/scr/	SFCB_FILES_yyyymm

References

1. Reference "Proposal for Semi-Automated Sampling Strategy, Production Strategy, and Configuration Code Implementation" internal paper for detail description of the CERES environment parameters. URL:http://asd-www.larc.nasa.gov/ceres/intern_doc/

Appendix A
Acronyms and Abbreviations

ASDC	Atmospheric Sciences Data Center
CERES	Clouds and the Earth's Radiant Energy System
CM	Configuration Management
CRS	Clouds and Radiative Swath
DAAC	Distributed Active Archive Center
DB	Data Base
EOD	End of Data Month
EOS	Earth Observing System
EOS-AM	EOS Morning Crossing Mission
EOS-PM	EOS Afternoon Crossing Mission
ERBE	Earth Radiation Budget Experiment
ERBS	Earth Radiation Budget Satellite
FSW	Monthly Single Satellite Fluxes and Clouds
GMT	Greenwich mean time
HDF	Hierarchical Data Format
LaTIS	Langley TRMM Information System
MB	Megabytes
met	metadata file
μm	microns
MOA	Meteorological, Ozone, and Aerosol
N/A	Not Applicable
NASA	National Aeronautics and Space Administration
NOAA	National Oceanic and Atmospheric Administration
PCF	Process Control File
PGE	Product Generation Executive
PMOA	Post Meteorological, Ozone, and Aerosol
QC	Quality Control
SAIC	Science Applications International Corporation
SFC	Monthly Gridded Single Satellite TOA and Surface Fluxes and Clouds
SMF	Status Message File
SSF	Single Satellite CERES Footprint TOA and Surface Fluxes, Clouds
TISA	Time Interpolation and Spatial Averaging
TOA	Top-of-Atmosphere
TRMM	Tropical Rainfall Measuring Mission
VD	Validation Days

Appendix B
Error Messages

Appendix B contains a comprehensive list of messages that can be generated during the execution of a PGE. These messages are used to inform the operator or analyst of specific circumstances encountered during data processing. These messages may be strictly informative (Error Type = Status or Warning), or may indicate a fatal condition that results in premature PGE termination (Error Type = Fatal). All messages are written to the LogReport file and/or the LogStatus file of the processing instance.

Table B-1 contains a list of the diagnostic messages for the following PGEs: CER6.1P1, CER6.2P1, CER6.3P1, CER9.1P1, CER9.2P1, CER9.3P1, and CER9.4P1. Each table entry includes a message, a description for the message, and an action key.

Operator Instructions:

If a PGE prematurely terminates, then take the following steps:

1. Look at the last few records on the LogStatus file.
2. Find the error message in the following Error Message listing(s), and follow the appropriate ACTION
3. If an error message is not in the LogStatus file, then repeat steps 1 and 2 using the LogReport File.
4. If no information is derived, then call the responsible person in Table 1-1.
5. If the appropriate ACTION failed, then call the responsible person in Table 1-1.
6. In all cases, log all steps that were taken after the PGE failure, and send a copy to the responsible person listed in Table 1-1.

Action Keys for Table B-1: (Note if an ACTION does not work, call the responsible person for the PGE.)

1. Verify that file exists and that it has the correct file permissions set.
2. Check the PCF ASCII input file and the PCF file for correctness.
3. Allocate more memory, rerun.
4. No Action, call the responsible person for the PGE.
5. No Action, message is for informational purposes only and will not affect data production

Table B-1. Example of TK (SMF) Utility Message Table

Message / Description	Action Key
Subroutine Name(): ERROR.....CRS file header and header expected by PCF differ. The header on the file listed in the PCF for logic ID# 1050 does not match what is expected for the header.	**2,4**
Subroutine Name(): ERROR.....CRS_File module has not been initialized. The file listed in the PCF for logic ID# 1050 was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Directional model on file has %i number of scene types, and the code allows for %i number of scene types. If number is correct on file listed in the PCF for logic ID# 201, then the code needs to be modified to account for the different number of scene types. If the number is not correct on the file, ensure that the file is not corrupted.	**1,2,4**
Subroutine Name(): ERROR.....Gridding PCF unanticipated exception for logic ID %i. An unanticipated error occurred while attempting to retrieve information associated with the given logic ID from the PCF.	**2,4**
Subroutine Name(): ERROR.....Invalid Data Month, (Hour, PCF, Header): The Data Month on the header of the file listed in the PCF for logic ID#1046 or logic ID#1050 does not match the Data Month provide in the PCF for logic ID# 6903.	**2,4**
Subroutine Name(): ERROR.....Invalid Data Year, (Hour, PCF, Header): The Data Year on the header of the file listed in the PCF for logic ID#1046 or logic ID#1050 does not match the Data Year provide in the PCF for logic ID# 6902.	**2,4**
Subroutine Name(): ERROR.....Invalid Hour Number, (Hour, Header): The Data Hour on the header of the file listed in the PCF for logic ID#1046 or logic ID#1050 does not match the Data Hour provide in the PCF for logic ID# 6906.	**2,4**
Subroutine Name(): ERROR.....Invalid Instrument, (Hour, PCF, Header): The CERES instrument name on the header of the file listed in the PCF for logic ID#1046 or logic ID#1050 does not match the CERES instrument name provide in the PCF for logic ID# 6907.	**2,4**
Subroutine Name(): ERROR.....Invalid Satellite, (Hour, PCF, Header): The CERES satellite name on the header of the file listed in the PCF for logic ID#1046 or logic ID#1050 does not match the CERES satellite name provide in the PCF for logic ID# 6908.	**2,4**
Subroutine Name(): ERROR.....No FSW hour files to process. At least one of the FSW hourly files listed in the PCF for logic ID# 6100 must exist in order for the PGE to run.	**1,2,4**

Table B-1. Example of TK (SMF) Utility Message Table

Message / Description	Action Key
Subroutine Name(): ERROR.....No MOA files could be opened for processing. At least one of the MOA files listed in the PCF for logic ID# 1120 must exist in order for the PGE to run. *NOTE: All MOA files for the data month being processed are expected, but this PGE can run with only one MOA file present. All PMOA records for which no MOA data is available will be filled with CERES default values.*	**1,2,4**
Subroutine Name(): ERROR.....No SFC hour files to process. At least one of the SFC hourly files listed in the PCF for logic ID# 9200 must exist in order for the PGE to run.	**1,2,4**
Subroutine Name(): ERROR.....OUT OF MEMORY - unable to allocate memory for array %s. The PGE was unable to allocate memory for the given array.	**3,4**
Subroutine Name(): ERROR.....SSF file header and header expected by PCF differ. The header on the file listed in the PCF for logic ID# 1046 does not match what is expected for the header.	**2,4**
Subroutine Name(): ERROR.....SSF_File module has not been initialized. The first file listed in the PCF for logic ID# 1046 was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to create new hourbox for region %i and local hour %i. The PGE was unable to create a new hourbox. The region or hour number associated with the hour box was invalid.	**4**
Subroutine Name(): ERROR.....Unable to open CRS file The file listed in the PCF for logic ID# 1050 was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open FSW ancillary range file - Logic Id: The file associated with the given Logic ID was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open FSW Day File for day: The file listed in the PCF for logic ID# 6210 for the given day was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open FSW Hour File for hour: The file listed in the PCF for logic ID# 6100 for the given hour was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open FSW range results file The file listed in the PCF for logic ID# 6120 was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open FSW Zone File for zone: The file listed in the PCF for logic ID# 6200 for the given zone was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open next hour SSF file The file listed in the PCF for logic ID# 1046 version ID# 1 was not opened.	**1,2,4**

Table B-1. Example of TK (SMF) Utility Message Table

Message / Description	Action Key
Subroutine Name(): ERROR.....Unable to open PMOA file(s). A file listed in the PCF for logic ID# 9100 was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open SFC ancillary range file - Logic Id: The file associated with the given Logic ID was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open SFC Day File for day: The file listed in the PCF for logic ID# 9310 for the given day was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open SFC Hour File for hour: The file listed in the PCF for logic ID# 9200 for the given hour was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open SFC range results file The file listed in the PCF for logic ID# 9220 was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open SFC Zone File for zone: The file listed in the PCF for logic ID# 9300 for the given zone was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to open SSF file The file listed in the PCF for logic ID# 1046 version ID# 2 was not opened.	**1,2,4**
Subroutine Name(): ERROR.....Unable to read FSW Day File for day: The file listed in the PCF for logic ID# 6210 for the given day could not be read.	**1,4**
Subroutine Name(): ERROR.....Unable to read SFC Day File for day: The file listed in the PCF for logic ID# 9310 for the given day could not be read.	**1,4**
Subroutine Name(): ERROR.....Unable to read CRS record (bad read). The file listed in the PCF for logic ID# 1050 could not be read.	**1,4**
Subroutine Name(): ERROR.....Unable to read FSW range file The was an error reading one of the files listed in the PCF for logic ID#s 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, or 623.	**1,4**
Subroutine Name(): ERROR.....Unable to read SFC range file. The was an error reading one of the files listed in the PCF for logic ID#s 911, 912, 913, 914, 915, 916.	**1,4**
Subroutine Name(): ERROR.....Unable to read SSF record (bad read). The file listed in the PCF for logic ID# 1046 could not be read.	**1,4**
Subroutine Name(): ERROR.....Unable to retrieve MOA file name from PCF (logic_id = %i, version = %i) The file name for the MOA file listed in the PCF for the given logic ID and version ID could not be retrieved.	**2,4**

Table B-1. Example of TK (SMF) Utility Message Table

Message / Description	Action Key
Subroutine Name(): ERROR.....Unable to write header to FSW Zone file for zone: The header for the file listed in the PCF for logic ID# 6200 for the given zone could not be written.	**1,4**
Subroutine Name(): ERROR.....Unable to write header to SFC Zone file for zone: The header for the file listed in the PCF for logic ID# 9300 for the given zone could not be written.	**1,4**
Subroutine Name(): ERROR.....Unable to write to FSW Day File for day: An error occurred while attempting to write to the file listed in the PCF for logic ID#6210 for the given day.	**1,4**
Subroutine Name(): ERROR.....Unable to write to FSW Zonal File for zone: An error occurred while attempting to write to the file listed in the PCF for logic ID#6200 for the given zone.	**1,4**
Subroutine Name(): ERROR.....Unable to write to SFC Day File for day: An error occurred while attempting to write to the file listed in the PCF for logic ID#9310 for the given day.	**1,4**
Subroutine Name(): ERROR.....Unable to write to SFC Zonal File for zone: An error occurred while attempting to write to the file listed in the PCF for logic ID#9300 for the given zone.	**1,4**
Subroutine Name(): ERROR.....Writing PMOA record An error occurred while attempting to write to the file listed in the PCF for logic ID#9100.	**1,4**
Subroutine Name(): FATAL.....solar_dec program : %i The solar declination angles and the distance corrected solar constants could not be retrieved from the solar declination module in CERESLib.	**4**
Subroutine Name(): FATAL.....Unable to open CDM file : %i The file listed in the PCF for logic ID# 210 could not be opened.	**1,2,4**
Subroutine Name(): MESSAGE....Invalid number of footprints retrieved from gridding_pcf. Using default of %i. The number of footprints to read could not be retrieved from the PCF for logic ID# 6910. Using the given default number of footprints.	**5**
Subroutine Name(): SUCCESS....CRS file header and header expected by PCF match. The header on the file listed in the PCF for logic ID# 1050 matches what is expected for the header.	**5**
Subroutine Name(): SUCCESS....CRS file opened successfully. The file listed in the PCF for logic ID# 1050 was opened successfully.	**5**
Subroutine Name(): SUCCESS....SSF file header and header expected by PCF match. The header on the file listed in the PCF for logic ID# 1046 matches what is expected for the header.	**5**

Table B-1. Example of TK (SMF) Utility Message Table

Message / Description	Action Key
Subroutine Name(): SUCCESS....SSF file opened successfully. The file listed in the PCF for logic ID# 1046 was opened successfully.	**5**
Subroutine Name(): WARNING....Column is out of bounds for footprint: The width (number of columns) of the swath has been miscalculated.	**4**
Subroutine Name(): WARNING....Date/Time Difference: The Data Date on the header of the file listed in the PCF for logic ID#1046 or logic ID#1050 does not match the Data Date provide in the PCF for logic ID#s 6902, 6903, 6904, and 6906.	**4**
Subroutine Name(): WARNING....FSW Hour File does not exist: %s The given file listed in the PCF for logic ID# 6100 does not exist	**4**
Subroutine Name(): WARNING....FSW range array has not been initialized The array that holds the ranges for each FSW parameter has not be properly initialized. One of the files listed in the PCF for logic ID#s 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, or 623 may not have been opened or read properly, or the FSW range check module was not properly initialized.	**4**
Subroutine Name(): WARNING....Hourbox passed has not been initialized. The hourbox has not been properly initialized.	**4**
Subroutine Name(): WARNING....Invalid beginning nested region sequence number. Begin nested region sequence # = %i. Using default of 1. An invalid nested region sequence number was provided in the PCF for logic ID# 6917.	**4**
Subroutine Name(): WARNING....Invalid ending nested region sequence number. End nested region sequence # = %i. Using default of 44012. An invalid nested region sequence number was provided in the PCF for logic ID# 6918.	**4**
Subroutine Name(): WARNING....Invalid footprint passed. An invalid footprint has been detected.	**4**
Subroutine Name(): WARNING....Invalid hourbox passed. An invalid hourbox has been detected.	**4**
Subroutine Name(): WARNING....Invalid nested region range. Begin nested region sequence # = %i, End nested region sequence # = %i. Using default range of 1 to 44012. The nested region sequence number provided in the PCF for logic ID# 6917 must be smaller than the nested region sequence number provided in the PCF for logic ID# 6918.	**4**
Subroutine Name(): WARNING....Invalid region number passed: An invalid region number has been detected.	**4**

Table B-1. Example of TK (SMF) Utility Message Table

Message / Description	Action Key
Subroutine Name(): WARNING....Missing input for hour %i of day %i. The given MOA file listed in the PCF for logic ID# 1120 does not exist or could not be opened. *NOTE: All MOA files for the data month being processed are expected, but this PGE can run with only one MOA file present. All PMOA records for which no MOA data is available will be filled with CERES default values.*	**4**
Subroutine Name(): WARNING....MOA file does not exist: %s The given MOA file listed in the PCF for logic ID# 1120 does not exist. *NOTE: All MOA files for the data month being processed are expected, but this PGE can run with only one MOA file present. All PMOA records for which no MOA data is available will be filled with CERES default values.*	**1,2,4**
Subroutine Name(): WARNING....PMOA_File module has not been initialized. The routine which opens the files listed in the PCF for logic ID# 9100 was not properly initialized. The PGE will continue to run, but the column-weighted cloud parameters are invalid.	**1,2,4**
Subroutine Name(): WARNING....SFC Hour File does not exist: The given file listed in the PCF for logic ID# 9200 does not exist	**5**
Subroutine Name(): WARNING....SFC range array has not been initialized The array that holds the ranges for each SFC parameter has not be properly initialized. One of the files listed in the PCF for logic ID#s 911, 912, 913, 914, 915, 916 may not have been opened or read properly, or the SFC range check module was not properly initialized.	**1,2,4**
Subroutine Name(): WARNING....Unable to open FSW Day File for day: The file listed in the PCF for logic ID# 6210 for the given day was not opened.	**5**
Subroutine Name(): WARNING....Unable to open MOA file: The given MOA file listed in the PCF for logic ID#1120 could not be opened. *NOTE: All MOA files for the data month being processed are expected, but this PGE can run with only one MOA file present. All PMOA records for which no MOA data is available will be filled with CERES default values.*	**1,2,4**
Subroutine Name(): WARNING....Unable to open PMOA file One of the PMOA file listed in the PCF for logic ID#9100 could not be opened. *NOTE: All PMOA files for the data month being processed are expected, but this PGE can run without the PMOA files. CERES default values will be used for all PMOA parameters.*	**1,2,4**
Subroutine Name(): WARNING....Unable to open SFC Day File for day: The file listed in the PCF for logic ID# 9310 for the given day was not opened.	**5**
Subroutine Name(): WARNING....Unable to read PMOA record (bad read). The file listed in the PCF for logic ID# 9100 could not be read.	**1,2,4**

Appendix C
Sample Input File Listings

C.1 Sample Input File Listing for CER6.1P1

```
##########################
# CERES Baseline Metadata #
##########################
PGEName=CER6.1P1
SamplingStrategy=Terra-Terra-FM2-MODIS
ProductionStrategy=TestSuite
CERDataDateYear=2001
CERDataDateMonth=04
CERDataDateDay=04
CERHrOfMonth=73
ConfigurationCode=000000
SWsccr=00000
DATAsccr=00000

##################################
# PGE specific runtime parameters #
##################################
CERHrOfDay=00
SATELLITE=Terra
INSTRUMENT=FM2
LinesPerSwath=100
NumFootprints=10000

###########################
# PGE required directories #
###########################
CERESHOME=/CERES
CRS_InputDir=/CERES/sarb/data/out_comp/data/sarb
SSF_InputDir=/CERES/inversion/data/out_comp/data
PMOA_InputDir=/CERES/tisa_grid/data/out_comp/data/PMOA
FSWH_OutputDir=/CERES/tisa_grid/data/int_prod/FSW_hour
LOG_Dir=/CERES/tisa_grid/runlogs
PGS_DIR=/usr/local/TOOLKIT

###################
# Input file names #
###################
CRS_INPUT_FILE= CER_CRSB_Terra-FM2-MODIS_Beta4_013016.2001040400
SSFA_INPUT_FILE_1 = CER_SSFA_Terra-FM2-MODIS_Beta5_024027.2001040400
PMOA_INPUT_FILE_1=CER_PMOA_CERES_ECMWF-GEOS3_016018.200104F4
PMOA_INPUT_FILE_2=CER_PMOA_CERES_ECMWF-GEOS3_016018.200104F3
PMOA_INPUT_FILE_3=CER_PMOA_CERES_ECMWF-GEOS3_016018.200104F2
PMOA_INPUT_FILE_4=CER_PMOA_CERES_ECMWF-GEOS3_016018.200104F1
```

```
#####################
# Output file names #
#####################
FSWH_OUTPUT_FILE=CER_FSW-HR_Terra-FM2-MODIS_TestSuite_000000.2001040400

##########################
# Optional Output file names #
##########################
IRGRP_OUTPUT_FILE=CER_IRGRP_Terra-FM2-MODIS_TestSuite_000000.2001040400

##################
# Log file names #
##################
LogReport=CER6.1P1_LogReport_Terra-FM2-MODIS_TestSuite_000000.2001040400
LogStatus=CER6.1P1_LogStatus_Terra-FM2-MODIS_TestSuite_000000.2001040400
LogUser=CER6.1P1_LogUser_Terra-FM2-MODIS_TestSuite_000000.2001040400
```

C.2 Sample Input File Listing for CER6.2P1

```
##########################
# CERES Baseline Metadata #
##########################
PGEName=CER6.2P1
SamplingStrategy=Terra-FM2-MODIS
ProductionStrategy=TestSuite
CERDataDateYear=2001
CERDataDateMonth=04
ConfigurationCode=000000
SWsccr=00000
DATAsccr=00000

##################################
# PGE specific runtime parameters #
##################################
SATELLITE=Terra
INSTRUMENT=FM2

###########################
# PGE required directories #
###########################
CERESHOME=/CERES
PGS_DIR=/usr/local/TOOLKIT
FSWH_InputDir=/CERES/tisa_grid/data/int_prod/FSW_hour
FSWD_OutputDir=/CERES/tisa_grid/data/int_prod/FSW_day
FSWB_OutputDir=/CERES/tisa_grid/data/out_comp/data/FSW
LOG_Dir=/CERES/tisa_grid/runlogs

###################
# Input file names #
###################
FSWH_INPUT_FILE_684=CER_FSW-HR_Terra-FM2-MODIS_TestSuite_000000.2001040400

#######################
# Overlap Input file names #
#######################
FSWH_INPUT_FILE_768=CER_FSW-HR_Terra-FM2-MODIS_TestSuite_000000.2001033012
FSWH_INPUT_FILE_012=CER_FSW-HR_Terra-FM2-MODIS_TestSuite_000000.2001050100

###########################
# Output file names - zonal files#
###########################
FSWB_OUTPUT_FILE_001=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z180
FSWB_OUTPUT_FILE_002=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z179
FSWB_OUTPUT_FILE_003=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z178
FSWB_OUTPUT_FILE_004=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z177
FSWB_OUTPUT_FILE_005=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z176
FSWB_OUTPUT_FILE_006=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z175
FSWB_OUTPUT_FILE_007=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z174
```

FSWB_OUTPUT_FILE_008=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z173
FSWB_OUTPUT_FILE_009=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z172
FSWB_OUTPUT_FILE_010=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z171
FSWB_OUTPUT_FILE_011=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z170
FSWB_OUTPUT_FILE_012=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z169
FSWB_OUTPUT_FILE_013=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z168
FSWB_OUTPUT_FILE_014=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z167
FSWB_OUTPUT_FILE_015=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z166
FSWB_OUTPUT_FILE_016=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z165
FSWB_OUTPUT_FILE_017=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z164
FSWB_OUTPUT_FILE_018=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z163
FSWB_OUTPUT_FILE_019=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z162
FSWB_OUTPUT_FILE_020=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z161
FSWB_OUTPUT_FILE_021=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z160
FSWB_OUTPUT_FILE_022=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z159
FSWB_OUTPUT_FILE_023=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z158
FSWB_OUTPUT_FILE_024=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z157
FSWB_OUTPUT_FILE_025=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z156
FSWB_OUTPUT_FILE_026=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z155
FSWB_OUTPUT_FILE_027=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z154
FSWB_OUTPUT_FILE_028=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z153
FSWB_OUTPUT_FILE_029=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z152
FSWB_OUTPUT_FILE_030=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z151
FSWB_OUTPUT_FILE_031=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z150
FSWB_OUTPUT_FILE_032=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z149
FSWB_OUTPUT_FILE_033=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z148
FSWB_OUTPUT_FILE_034=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z147
FSWB_OUTPUT_FILE_035=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z146
FSWB_OUTPUT_FILE_036=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z145
FSWB_OUTPUT_FILE_037=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z144
FSWB_OUTPUT_FILE_038=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z143
FSWB_OUTPUT_FILE_039=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z142
FSWB_OUTPUT_FILE_040=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z141
FSWB_OUTPUT_FILE_041=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z140
FSWB_OUTPUT_FILE_042=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z139
FSWB_OUTPUT_FILE_043=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z138
FSWB_OUTPUT_FILE_044=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z137
FSWB_OUTPUT_FILE_045=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z136
FSWB_OUTPUT_FILE_046=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z135
FSWB_OUTPUT_FILE_047=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z134
FSWB_OUTPUT_FILE_048=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z133
FSWB_OUTPUT_FILE_049=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z132
FSWB_OUTPUT_FILE_050=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z131
FSWB_OUTPUT_FILE_051=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z130
FSWB_OUTPUT_FILE_052=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z129
FSWB_OUTPUT_FILE_053=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z128
FSWB_OUTPUT_FILE_054=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z127
FSWB_OUTPUT_FILE_055=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z126
FSWB_OUTPUT_FILE_056=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z125
FSWB_OUTPUT_FILE_057=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z124
FSWB_OUTPUT_FILE_058=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z123
FSWB_OUTPUT_FILE_059=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z122
FSWB_OUTPUT_FILE_060=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z121
FSWB_OUTPUT_FILE_061=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z120

FSWB_OUTPUT_FILE_062=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z119
FSWB_OUTPUT_FILE_063=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z118
FSWB_OUTPUT_FILE_064=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z117
FSWB_OUTPUT_FILE_065=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z116
FSWB_OUTPUT_FILE_066=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z115
FSWB_OUTPUT_FILE_067=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z114
FSWB_OUTPUT_FILE_068=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z113
FSWB_OUTPUT_FILE_069=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z112
FSWB_OUTPUT_FILE_070=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z111
FSWB_OUTPUT_FILE_071=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z110
FSWB_OUTPUT_FILE_072=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z109
FSWB_OUTPUT_FILE_073=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z108
FSWB_OUTPUT_FILE_074=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z107
FSWB_OUTPUT_FILE_075=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z106
FSWB_OUTPUT_FILE_076=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z105
FSWB_OUTPUT_FILE_077=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z104
FSWB_OUTPUT_FILE_078=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z103
FSWB_OUTPUT_FILE_079=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z102
FSWB_OUTPUT_FILE_080=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z101
FSWB_OUTPUT_FILE_081=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z100
FSWB_OUTPUT_FILE_082=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z099
FSWB_OUTPUT_FILE_083=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z098
FSWB_OUTPUT_FILE_084=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z097
FSWB_OUTPUT_FILE_085=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z096
FSWB_OUTPUT_FILE_086=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z095
FSWB_OUTPUT_FILE_087=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z094
FSWB_OUTPUT_FILE_088=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z093
FSWB_OUTPUT_FILE_089=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z092
FSWB_OUTPUT_FILE_090=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z091
FSWB_OUTPUT_FILE_091=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z090
FSWB_OUTPUT_FILE_092=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z089
FSWB_OUTPUT_FILE_093=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z088
FSWB_OUTPUT_FILE_094=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z087
FSWB_OUTPUT_FILE_095=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z086
FSWB_OUTPUT_FILE_096=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z085
FSWB_OUTPUT_FILE_097=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z084
FSWB_OUTPUT_FILE_098=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z083
FSWB_OUTPUT_FILE_099=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z082
FSWB_OUTPUT_FILE_100=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z081
FSWB_OUTPUT_FILE_101=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z080
FSWB_OUTPUT_FILE_102=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z079
FSWB_OUTPUT_FILE_103=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z078
FSWB_OUTPUT_FILE_104=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z077
FSWB_OUTPUT_FILE_105=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z076
FSWB_OUTPUT_FILE_106=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z075
FSWB_OUTPUT_FILE_107=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z074
FSWB_OUTPUT_FILE_108=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z073
FSWB_OUTPUT_FILE_109=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z072
FSWB_OUTPUT_FILE_110=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z071
FSWB_OUTPUT_FILE_111=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z070
FSWB_OUTPUT_FILE_112=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z069
FSWB_OUTPUT_FILE_113=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z068
FSWB_OUTPUT_FILE_114=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z067
FSWB_OUTPUT_FILE_115=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z066

FSWB_OUTPUT_FILE_116=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z065
FSWB_OUTPUT_FILE_117=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z064
FSWB_OUTPUT_FILE_118=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z063
FSWB_OUTPUT_FILE_119=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z062
FSWB_OUTPUT_FILE_120=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z061
FSWB_OUTPUT_FILE_121=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z060
FSWB_OUTPUT_FILE_122=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z059
FSWB_OUTPUT_FILE_123=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z058
FSWB_OUTPUT_FILE_124=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z057
FSWB_OUTPUT_FILE_125=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z056
FSWB_OUTPUT_FILE_126=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z055
FSWB_OUTPUT_FILE_127=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z054
FSWB_OUTPUT_FILE_128=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z053
FSWB_OUTPUT_FILE_129=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z052
FSWB_OUTPUT_FILE_130=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z051
FSWB_OUTPUT_FILE_131=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z050
FSWB_OUTPUT_FILE_132=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z049
FSWB_OUTPUT_FILE_133=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z048
FSWB_OUTPUT_FILE_134=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z047
FSWB_OUTPUT_FILE_135=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z046
FSWB_OUTPUT_FILE_136=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z045
FSWB_OUTPUT_FILE_137=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z044
FSWB_OUTPUT_FILE_138=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z043
FSWB_OUTPUT_FILE_139=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z042
FSWB_OUTPUT_FILE_140=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z041
FSWB_OUTPUT_FILE_141=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z040
FSWB_OUTPUT_FILE_142=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z039
FSWB_OUTPUT_FILE_143=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z038
FSWB_OUTPUT_FILE_144=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z037
FSWB_OUTPUT_FILE_145=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z036
FSWB_OUTPUT_FILE_146=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z035
FSWB_OUTPUT_FILE_147=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z034
FSWB_OUTPUT_FILE_148=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z033
FSWB_OUTPUT_FILE_149=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z032
FSWB_OUTPUT_FILE_150=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z031
FSWB_OUTPUT_FILE_151=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z030
FSWB_OUTPUT_FILE_152=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z029
FSWB_OUTPUT_FILE_153=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z028
FSWB_OUTPUT_FILE_154=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z027
FSWB_OUTPUT_FILE_155=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z026
FSWB_OUTPUT_FILE_156=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z025
FSWB_OUTPUT_FILE_157=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z024
FSWB_OUTPUT_FILE_158=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z023
FSWB_OUTPUT_FILE_159=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z022
FSWB_OUTPUT_FILE_160=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z021
FSWB_OUTPUT_FILE_161=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z020
FSWB_OUTPUT_FILE_162=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z019
FSWB_OUTPUT_FILE_163=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z018
FSWB_OUTPUT_FILE_164=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z017
FSWB_OUTPUT_FILE_165=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z016
FSWB_OUTPUT_FILE_166=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z015
FSWB_OUTPUT_FILE_167=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z014
FSWB_OUTPUT_FILE_168=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z013
FSWB_OUTPUT_FILE_169=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z012

```
FSWB_OUTPUT_FILE_170=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z011
FSWB_OUTPUT_FILE_171=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z010
FSWB_OUTPUT_FILE_172=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z009
FSWB_OUTPUT_FILE_173=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z008
FSWB_OUTPUT_FILE_174=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z007
FSWB_OUTPUT_FILE_175=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z006
FSWB_OUTPUT_FILE_176=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z005
FSWB_OUTPUT_FILE_177=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z004
FSWB_OUTPUT_FILE_178=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z003
FSWB_OUTPUT_FILE_179=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z002
FSWB_OUTPUT_FILE_180=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z001
FSWD_OUTPUT_FILE_01=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010431
FSWD_OUTPUT_FILE_02=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010430
FSWD_OUTPUT_FILE_03=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010429
FSWD_OUTPUT_FILE_04=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010428
FSWD_OUTPUT_FILE_05=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010427
FSWD_OUTPUT_FILE_06=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010426
FSWD_OUTPUT_FILE_07=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010425
FSWD_OUTPUT_FILE_08=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010424
FSWD_OUTPUT_FILE_09=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010423
FSWD_OUTPUT_FILE_10=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010422
FSWD_OUTPUT_FILE_11=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010421
FSWD_OUTPUT_FILE_12=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010420
FSWD_OUTPUT_FILE_13=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010419
FSWD_OUTPUT_FILE_14=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010418
FSWD_OUTPUT_FILE_15=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010417
FSWD_OUTPUT_FILE_16=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010416
FSWD_OUTPUT_FILE_17=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010415
FSWD_OUTPUT_FILE_18=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010414
FSWD_OUTPUT_FILE_19=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010413
FSWD_OUTPUT_FILE_20=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010412
FSWD_OUTPUT_FILE_21=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010411
FSWD_OUTPUT_FILE_22=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010410
FSWD_OUTPUT_FILE_23=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010409
FSWD_OUTPUT_FILE_24=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010408
FSWD_OUTPUT_FILE_25=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010407
FSWD_OUTPUT_FILE_26=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010406
FSWD_OUTPUT_FILE_27=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010405
FSWD_OUTPUT_FILE_28=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010404
FSWD_OUTPUT_FILE_29=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010403
FSWD_OUTPUT_FILE_30=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010402
FSWD_OUTPUT_FILE_31=CER_FSWD_Terra-FM2-MODIS_TestSuite_000000.20010401

############################
# Output file names - qc        #
###########################
IQCRP_OUTPUT_FILE=CER_IQCRP_Terra-FM2-MODIS_TestSuite_000000.200104

##################
# Log file names #
#################
LogReport=CER6.2P1_LogReport_Terra-FM2-MODIS_TestSuite_000000.200104
LogStatus=CER6.2P1_LogStatus_Terra-FM2-MODIS_TestSuite_000000.200104
LogUser=CER6.2P1_LogUser_Terra-FM2-MODIS_TestSuite_000000.200104
```

C.3 Sample Input File Listing for CER6.3P1

```
##########################
# CERES Baseline Metadata #
##########################
PGEName=CER6.3P1
SamplingStrategy=Terra-FM2-MODIS
ProductionStrategy=TestSuite
CERDataDateYear=2001
CERDataDateMonth=04
ConfigurationCode=000000
SWsccr=00000
DATAsccr=00000

##################################
# PGE specific runtime parameters #
##################################
SATELLITE=Terra
INSTRUMENT=FM2
Num_of_hdffiles = 60
Num_zns_per_hdf = 3

############################
# PGE required directories #
############################
CERESHOME=/CERES
PGS_DIR=/usr/local/TOOLKIT
FSWB_InputDir=/CERES/tisa_grid/data/out_comp/data/FSW
FSW_OutputDir=/CERES/tisa_grid/data/out_comp/data/FSW_hdf
LOG_Dir=/CERES/tisa_grid/runlogs

####################
# Input file names #
####################
FSWB_INPUT_FILE_180=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z001
FSWB_INPUT_FILE_179=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z002
FSWB_INPUT_FILE_178=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z003
FSWB_INPUT_FILE_177=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z004
FSWB_INPUT_FILE_176=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z005
FSWB_INPUT_FILE_175=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z006
FSWB_INPUT_FILE_174=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z007
FSWB_INPUT_FILE_173=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z008
FSWB_INPUT_FILE_172=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z009
FSWB_INPUT_FILE_171=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z010
FSWB_INPUT_FILE_170=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z011
FSWB_INPUT_FILE_169=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z012
FSWB_INPUT_FILE_168=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z013
FSWB_INPUT_FILE_167=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z014
FSWB_INPUT_FILE_166=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z015
FSWB_INPUT_FILE_165=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z016
FSWB_INPUT_FILE_164=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z017
FSWB_INPUT_FILE_163=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z018
FSWB_INPUT_FILE_162=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z019
```

FSWB_INPUT_FILE_161=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z020
FSWB_INPUT_FILE_160=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z021
FSWB_INPUT_FILE_159=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z022
FSWB_INPUT_FILE_158=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z023
FSWB_INPUT_FILE_157=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z024
FSWB_INPUT_FILE_156=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z025
FSWB_INPUT_FILE_155=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z026
FSWB_INPUT_FILE_154=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z027
FSWB_INPUT_FILE_153=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z028
FSWB_INPUT_FILE_152=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z029
FSWB_INPUT_FILE_151=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z030
FSWB_INPUT_FILE_150=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z031
FSWB_INPUT_FILE_149=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z032
FSWB_INPUT_FILE_148=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z033
FSWB_INPUT_FILE_147=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z034
FSWB_INPUT_FILE_146=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z035
FSWB_INPUT_FILE_145=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z036
FSWB_INPUT_FILE_144=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z037
FSWB_INPUT_FILE_143=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z038
FSWB_INPUT_FILE_142=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z039
FSWB_INPUT_FILE_141=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z040
FSWB_INPUT_FILE_140=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z041
FSWB_INPUT_FILE_139=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z042
FSWB_INPUT_FILE_138=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z043
FSWB_INPUT_FILE_137=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z044
FSWB_INPUT_FILE_136=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z045
FSWB_INPUT_FILE_135=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z046
FSWB_INPUT_FILE_134=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z047
FSWB_INPUT_FILE_133=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z048
FSWB_INPUT_FILE_132=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z049
FSWB_INPUT_FILE_131=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z050
FSWB_INPUT_FILE_130=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z051
FSWB_INPUT_FILE_129=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z052
FSWB_INPUT_FILE_128=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z053
FSWB_INPUT_FILE_127=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z054
FSWB_INPUT_FILE_126=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z055
FSWB_INPUT_FILE_125=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z056
FSWB_INPUT_FILE_124=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z057
FSWB_INPUT_FILE_123=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z058
FSWB_INPUT_FILE_122=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z059
FSWB_INPUT_FILE_121=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z060
FSWB_INPUT_FILE_120=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z061
FSWB_INPUT_FILE_119=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z062
FSWB_INPUT_FILE_118=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z063
FSWB_INPUT_FILE_117=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z064
FSWB_INPUT_FILE_116=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z065
FSWB_INPUT_FILE_115=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z066
FSWB_INPUT_FILE_114=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z067
FSWB_INPUT_FILE_113=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z068
FSWB_INPUT_FILE_112=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z069
FSWB_INPUT_FILE_111=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z070
FSWB_INPUT_FILE_110=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z071
FSWB_INPUT_FILE_109=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z072
FSWB_INPUT_FILE_108=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z073

FSWB_INPUT_FILE_107=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z074
FSWB_INPUT_FILE_106=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z075
FSWB_INPUT_FILE_105=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z076
FSWB_INPUT_FILE_104=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z077
FSWB_INPUT_FILE_103=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z078
FSWB_INPUT_FILE_102=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z079
FSWB_INPUT_FILE_101=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z080
FSWB_INPUT_FILE_100=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z081
FSWB_INPUT_FILE_099=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z082
FSWB_INPUT_FILE_098=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z083
FSWB_INPUT_FILE_097=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z084
FSWB_INPUT_FILE_096=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z085
FSWB_INPUT_FILE_095=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z086
FSWB_INPUT_FILE_094=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z087
FSWB_INPUT_FILE_093=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z088
FSWB_INPUT_FILE_092=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z089
FSWB_INPUT_FILE_091=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z090
FSWB_INPUT_FILE_090=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z091
FSWB_INPUT_FILE_089=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z092
FSWB_INPUT_FILE_088=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z093
FSWB_INPUT_FILE_087=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z094
FSWB_INPUT_FILE_086=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z095
FSWB_INPUT_FILE_085=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z096
FSWB_INPUT_FILE_084=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z097
FSWB_INPUT_FILE_083=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z098
FSWB_INPUT_FILE_082=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z099
FSWB_INPUT_FILE_081=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z100
FSWB_INPUT_FILE_080=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z101
FSWB_INPUT_FILE_079=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z102
FSWB_INPUT_FILE_078=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z103
FSWB_INPUT_FILE_077=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z104
FSWB_INPUT_FILE_076=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z105
FSWB_INPUT_FILE_075=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z106
FSWB_INPUT_FILE_074=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z107
FSWB_INPUT_FILE_073=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z108
FSWB_INPUT_FILE_072=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z109
FSWB_INPUT_FILE_071=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z110
FSWB_INPUT_FILE_070=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z111
FSWB_INPUT_FILE_069=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z112
FSWB_INPUT_FILE_068=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z113
FSWB_INPUT_FILE_067=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z114
FSWB_INPUT_FILE_066=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z115
FSWB_INPUT_FILE_065=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z116
FSWB_INPUT_FILE_064=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z117
FSWB_INPUT_FILE_063=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z118
FSWB_INPUT_FILE_062=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z119
FSWB_INPUT_FILE_061=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z120
FSWB_INPUT_FILE_060=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z121
FSWB_INPUT_FILE_059=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z122
FSWB_INPUT_FILE_058=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z123
FSWB_INPUT_FILE_057=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z124
FSWB_INPUT_FILE_056=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z125
FSWB_INPUT_FILE_055=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z126
FSWB_INPUT_FILE_054=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z127

FSWB_INPUT_FILE_053=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z128
FSWB_INPUT_FILE_052=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z129
FSWB_INPUT_FILE_051=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z130
FSWB_INPUT_FILE_050=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z131
FSWB_INPUT_FILE_049=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z132
FSWB_INPUT_FILE_048=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z133
FSWB_INPUT_FILE_047=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z134
FSWB_INPUT_FILE_046=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z135
FSWB_INPUT_FILE_045=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z136
FSWB_INPUT_FILE_044=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z137
FSWB_INPUT_FILE_043=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z138
FSWB_INPUT_FILE_042=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z139
FSWB_INPUT_FILE_041=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z140
FSWB_INPUT_FILE_040=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z141
FSWB_INPUT_FILE_039=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z142
FSWB_INPUT_FILE_038=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z143
FSWB_INPUT_FILE_037=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z144
FSWB_INPUT_FILE_036=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z145
FSWB_INPUT_FILE_035=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z146
FSWB_INPUT_FILE_034=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z147
FSWB_INPUT_FILE_033=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z148
FSWB_INPUT_FILE_032=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z149
FSWB_INPUT_FILE_031=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z150
FSWB_INPUT_FILE_030=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z151
FSWB_INPUT_FILE_029=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z152
FSWB_INPUT_FILE_028=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z153
FSWB_INPUT_FILE_027=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z154
FSWB_INPUT_FILE_026=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z155
FSWB_INPUT_FILE_025=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z156
FSWB_INPUT_FILE_024=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z157
FSWB_INPUT_FILE_023=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z158
FSWB_INPUT_FILE_022=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z159
FSWB_INPUT_FILE_021=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z160
FSWB_INPUT_FILE_020=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z161
FSWB_INPUT_FILE_019=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z162
FSWB_INPUT_FILE_018=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z163
FSWB_INPUT_FILE_017=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z164
FSWB_INPUT_FILE_016=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z165
FSWB_INPUT_FILE_015=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z166
FSWB_INPUT_FILE_014=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z167
FSWB_INPUT_FILE_013=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z168
FSWB_INPUT_FILE_012=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z169
FSWB_INPUT_FILE_011=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z170
FSWB_INPUT_FILE_010=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z171
FSWB_INPUT_FILE_009=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z172
FSWB_INPUT_FILE_008=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z173
FSWB_INPUT_FILE_007=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z174
FSWB_INPUT_FILE_006=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z175
FSWB_INPUT_FILE_005=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z176
FSWB_INPUT_FILE_004=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z177
FSWB_INPUT_FILE_003=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z178
FSWB_INPUT_FILE_002=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z179
FSWB_INPUT_FILE_001=CER_FSWB_Terra-FM2-MODIS_TestSuite_000000.200104Z180

```
#####################
# Output file names #
#####################
FSW_OUTPUT_FILE_01=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z60
FSW_OUTPUT_FILE_02=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z59
FSW_OUTPUT_FILE_03=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z58
FSW_OUTPUT_FILE_04=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z57
FSW_OUTPUT_FILE_05=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z56
FSW_OUTPUT_FILE_06=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z55
FSW_OUTPUT_FILE_07=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z54
FSW_OUTPUT_FILE_08=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z53
FSW_OUTPUT_FILE_09=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z52
FSW_OUTPUT_FILE_10=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z51
FSW_OUTPUT_FILE_11=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z50
FSW_OUTPUT_FILE_12=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z49
FSW_OUTPUT_FILE_13=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z48
FSW_OUTPUT_FILE_14=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z47
FSW_OUTPUT_FILE_15=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z46
FSW_OUTPUT_FILE_16=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z45
FSW_OUTPUT_FILE_17=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z44
FSW_OUTPUT_FILE_18=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z43
FSW_OUTPUT_FILE_19=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z42
FSW_OUTPUT_FILE_20=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z41
FSW_OUTPUT_FILE_21=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z40
FSW_OUTPUT_FILE_22=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z39
FSW_OUTPUT_FILE_23=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z38
FSW_OUTPUT_FILE_24=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z37
FSW_OUTPUT_FILE_25=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z36
FSW_OUTPUT_FILE_26=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z35
FSW_OUTPUT_FILE_27=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z34
FSW_OUTPUT_FILE_28=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z33
FSW_OUTPUT_FILE_29=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z32
FSW_OUTPUT_FILE_30=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z31
FSW_OUTPUT_FILE_31=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z30
FSW_OUTPUT_FILE_32=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z29
FSW_OUTPUT_FILE_33=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z28
FSW_OUTPUT_FILE_34=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z27
FSW_OUTPUT_FILE_35=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z26
FSW_OUTPUT_FILE_36=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z25
FSW_OUTPUT_FILE_37=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z24
FSW_OUTPUT_FILE_38=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z23
FSW_OUTPUT_FILE_39=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z22
FSW_OUTPUT_FILE_40=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z21
FSW_OUTPUT_FILE_41=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z20
FSW_OUTPUT_FILE_42=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z19
FSW_OUTPUT_FILE_43=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z18
FSW_OUTPUT_FILE_44=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z17
FSW_OUTPUT_FILE_45=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z16
FSW_OUTPUT_FILE_46=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z15
FSW_OUTPUT_FILE_47=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z14
FSW_OUTPUT_FILE_48=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z13
FSW_OUTPUT_FILE_49=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z12
FSW_OUTPUT_FILE_50=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z11
FSW_OUTPUT_FILE_51=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z10
```

```
FSW_OUTPUT_FILE_52=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z09
FSW_OUTPUT_FILE_53=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z08
FSW_OUTPUT_FILE_54=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z07
FSW_OUTPUT_FILE_55=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z06
FSW_OUTPUT_FILE_56=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z05
FSW_OUTPUT_FILE_57=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z04
FSW_OUTPUT_FILE_58=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z03
FSW_OUTPUT_FILE_59=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z02
FSW_OUTPUT_FILE_60=CER_FSW_Terra-FM2-MODIS_TestSuite_111111.200104Z01

##################
# Log file names #
##################
LogReport=CER6.3P1_LogReport_Terra-FM2-MODIS_TestSuite_111111.200104
LogStatus=CER6.3P1_LogStatus_Terra-FM2-MODIS_TestSuite_111111.200104
LogUser=CER6.3P1_LogUser_Terra-FM2-MODIS_TestSuite_111111.200104
```

C.4 Sample Input File Listing for CER9.0P1

```
###########################
# CERES Baseline Metadata #
###########################
PGEName=CER9.0P1
SamplingStrategy=Terra-FM1-MODIS
ProductionStrategy=TestSuite
CERDataDateYear=2002
CERDataDateMonth=10
CERHrOfMonth=1
ConfigurationCode=000000
SWsccr= 00000
DATAsccr= 00000

##################################
# PGE specific runtime parameters #
##################################
CERHrOfDay=00
SATELLITE=Terra
INSTRUMENT=FM1
LinesPerSwath=100
NumFootprints=10000

############################
# PGE required directories #
############################
CERESHOME=/CERES
SSF_InputDir=/CERES/inversion/data/out_comp/data
ISCCPD_OutputDir=/CERES/tisa_grid/data/int_prod/ISCCP_day
ISCCP_OutputDir= /CERES/tisa_grid/data/out_comp/data/ISCCP_hdf
LOG_Dir=/CERES/tisa_grid/runlogs
PGS_DIR=/opt/net/TOOLKIT
MCF_DIR = /CERES/tisa_grid/rcf/mcf

####################
# Input file names #
####################

SSF_INPUT_FILE_744 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100100
SSF_INPUT_FILE_743 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100101
SSF_INPUT_FILE_742 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100102
SSF_INPUT_FILE_741 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100103
SSF_INPUT_FILE_740 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100104
SSF_INPUT_FILE_739 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100105
SSF_INPUT_FILE_738 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100106
SSF_INPUT_FILE_737 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100107
SSF_INPUT_FILE_736 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100108
SSF_INPUT_FILE_735 = NULL_FILE
SSF_INPUT_FILE_734 = NULL_FILE
SSF_INPUT_FILE_733 = NULL_FILE
```

SSF_INPUT_FILE_732 = NULL_FILE
SSF_INPUT_FILE_731 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100113
SSF_INPUT_FILE_730 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100114
SSF_INPUT_FILE_729 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100115
SSF_INPUT_FILE_728 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100116
SSF_INPUT_FILE_727 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100117
SSF_INPUT_FILE_726 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100118
SSF_INPUT_FILE_725 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100119
SSF_INPUT_FILE_724 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100120
SSF_INPUT_FILE_723 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100121
SSF_INPUT_FILE_722 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100122
SSF_INPUT_FILE_721 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100123
SSF_INPUT_FILE_720 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100200
SSF_INPUT_FILE_719 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100201
SSF_INPUT_FILE_718 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100202
SSF_INPUT_FILE_717 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100203
SSF_INPUT_FILE_716 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100204
SSF_INPUT_FILE_715 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100205
SSF_INPUT_FILE_714 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100206
SSF_INPUT_FILE_713 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100207
SSF_INPUT_FILE_712 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100208
SSF_INPUT_FILE_711 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100209
SSF_INPUT_FILE_710 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100210
SSF_INPUT_FILE_709 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100211
SSF_INPUT_FILE_708 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100212
SSF_INPUT_FILE_707 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100213
SSF_INPUT_FILE_706 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100214
SSF_INPUT_FILE_705 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100215
SSF_INPUT_FILE_704 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100216
SSF_INPUT_FILE_703 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100217
SSF_INPUT_FILE_702 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100218
SSF_INPUT_FILE_701 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100219
SSF_INPUT_FILE_700 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100220
SSF_INPUT_FILE_699 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100221
SSF_INPUT_FILE_698 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100222
SSF_INPUT_FILE_697 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100223
SSF_INPUT_FILE_696 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100300
SSF_INPUT_FILE_695 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100301
SSF_INPUT_FILE_694 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100302
SSF_INPUT_FILE_693 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100303
SSF_INPUT_FILE_692 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100304
SSF_INPUT_FILE_691 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100305
SSF_INPUT_FILE_690 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100306
SSF_INPUT_FILE_689 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100307
SSF_INPUT_FILE_688 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100308
SSF_INPUT_FILE_687 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100309
SSF_INPUT_FILE_686 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100310
SSF_INPUT_FILE_685 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100311
SSF_INPUT_FILE_684 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100312
SSF_INPUT_FILE_683 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100313
SSF_INPUT_FILE_682 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100314
SSF_INPUT_FILE_681 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100315
SSF_INPUT_FILE_680 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100316
SSF_INPUT_FILE_679 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100317

SSF_INPUT_FILE_678 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100318
SSF_INPUT_FILE_677 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100319
SSF_INPUT_FILE_676 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100320
SSF_INPUT_FILE_675 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100321
SSF_INPUT_FILE_674 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100322
SSF_INPUT_FILE_673 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100323
SSF_INPUT_FILE_672 = NULL_FILE
SSF_INPUT_FILE_671 = NULL_FILE
SSF_INPUT_FILE_670 = NULL_FILE
SSF_INPUT_FILE_669 = NULL_FILE
SSF_INPUT_FILE_668 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100404
SSF_INPUT_FILE_667 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100405
SSF_INPUT_FILE_666 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100406
SSF_INPUT_FILE_665 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100407
SSF_INPUT_FILE_664 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100408
SSF_INPUT_FILE_663 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100409
SSF_INPUT_FILE_662 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100410
SSF_INPUT_FILE_661 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100411
SSF_INPUT_FILE_660 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100412
SSF_INPUT_FILE_659 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100413
SSF_INPUT_FILE_658 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100414
SSF_INPUT_FILE_657 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100415
SSF_INPUT_FILE_656 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100416
SSF_INPUT_FILE_655 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100417
SSF_INPUT_FILE_654 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100418
SSF_INPUT_FILE_653 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100419
SSF_INPUT_FILE_652 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100420
SSF_INPUT_FILE_651 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100421
SSF_INPUT_FILE_650 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100422
SSF_INPUT_FILE_649 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100423
SSF_INPUT_FILE_648 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100500
SSF_INPUT_FILE_647 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100501
SSF_INPUT_FILE_646 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100502
SSF_INPUT_FILE_645 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100503
SSF_INPUT_FILE_644 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100504
SSF_INPUT_FILE_643 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100505
SSF_INPUT_FILE_642 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100506
SSF_INPUT_FILE_641 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100507
SSF_INPUT_FILE_640 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100508
SSF_INPUT_FILE_639 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100509
SSF_INPUT_FILE_638 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100510
SSF_INPUT_FILE_637 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100511
SSF_INPUT_FILE_636 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100512
SSF_INPUT_FILE_635 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100513
SSF_INPUT_FILE_634 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100514
SSF_INPUT_FILE_633 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100515
SSF_INPUT_FILE_632 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100516
SSF_INPUT_FILE_631 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100517
SSF_INPUT_FILE_630 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100518
SSF_INPUT_FILE_629 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100519
SSF_INPUT_FILE_628 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100520
SSF_INPUT_FILE_627 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100521
SSF_INPUT_FILE_626 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100522
SSF_INPUT_FILE_625 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100523

SSF_INPUT_FILE_624 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100600
SSF_INPUT_FILE_623 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100601
SSF_INPUT_FILE_622 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100602
SSF_INPUT_FILE_621 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100603
SSF_INPUT_FILE_620 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100604
SSF_INPUT_FILE_619 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100605
SSF_INPUT_FILE_618 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100606
SSF_INPUT_FILE_617 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100607
SSF_INPUT_FILE_616 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100608
SSF_INPUT_FILE_615 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100609
SSF_INPUT_FILE_614 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100610
SSF_INPUT_FILE_613 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100611
SSF_INPUT_FILE_612 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100612
SSF_INPUT_FILE_611 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100613
SSF_INPUT_FILE_610 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100614
SSF_INPUT_FILE_609 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100615
SSF_INPUT_FILE_608 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100616
SSF_INPUT_FILE_607 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100617
SSF_INPUT_FILE_606 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100618
SSF_INPUT_FILE_605 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100619
SSF_INPUT_FILE_604 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100620
SSF_INPUT_FILE_603 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100621
SSF_INPUT_FILE_602 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100622
SSF_INPUT_FILE_601 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100623
SSF_INPUT_FILE_600 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100700
SSF_INPUT_FILE_599 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100701
SSF_INPUT_FILE_598 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100702
SSF_INPUT_FILE_597 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100703
SSF_INPUT_FILE_596 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100704
SSF_INPUT_FILE_595 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100705
SSF_INPUT_FILE_594 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100706
SSF_INPUT_FILE_593 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100707
SSF_INPUT_FILE_592 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100708
SSF_INPUT_FILE_591 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100709
SSF_INPUT_FILE_590 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100710
SSF_INPUT_FILE_589 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100711
SSF_INPUT_FILE_588 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100712
SSF_INPUT_FILE_587 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100713
SSF_INPUT_FILE_586 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100714
SSF_INPUT_FILE_585 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100715
SSF_INPUT_FILE_584 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100716
SSF_INPUT_FILE_583 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100717
SSF_INPUT_FILE_582 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100718
SSF_INPUT_FILE_581 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100719
SSF_INPUT_FILE_580 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100720
SSF_INPUT_FILE_579 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100721
SSF_INPUT_FILE_578 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100722
SSF_INPUT_FILE_577 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100723
SSF_INPUT_FILE_576 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100800
SSF_INPUT_FILE_575 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100801
SSF_INPUT_FILE_574 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100802
SSF_INPUT_FILE_573 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100803
SSF_INPUT_FILE_572 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100804
SSF_INPUT_FILE_571 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100805

SSF_INPUT_FILE_570 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100806
SSF_INPUT_FILE_569 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100807
SSF_INPUT_FILE_568 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100808
SSF_INPUT_FILE_567 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100809
SSF_INPUT_FILE_566 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100810
SSF_INPUT_FILE_565 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100811
SSF_INPUT_FILE_564 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100812
SSF_INPUT_FILE_563 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100813
SSF_INPUT_FILE_562 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100814
SSF_INPUT_FILE_561 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100815
SSF_INPUT_FILE_560 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100816
SSF_INPUT_FILE_559 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100817
SSF_INPUT_FILE_558 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100818
SSF_INPUT_FILE_557 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100819
SSF_INPUT_FILE_556 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100820
SSF_INPUT_FILE_555 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100821
SSF_INPUT_FILE_554 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100822
SSF_INPUT_FILE_553 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100823
SSF_INPUT_FILE_552 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100900
SSF_INPUT_FILE_551 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100901
SSF_INPUT_FILE_550 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100902
SSF_INPUT_FILE_549 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100903
SSF_INPUT_FILE_548 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100904
SSF_INPUT_FILE_547 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100905
SSF_INPUT_FILE_546 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100906
SSF_INPUT_FILE_545 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100907
SSF_INPUT_FILE_544 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100908
SSF_INPUT_FILE_543 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100909
SSF_INPUT_FILE_542 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100910
SSF_INPUT_FILE_541 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100911
SSF_INPUT_FILE_540 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100912
SSF_INPUT_FILE_539 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100913
SSF_INPUT_FILE_538 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100914
SSF_INPUT_FILE_537 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100915
SSF_INPUT_FILE_536 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100916
SSF_INPUT_FILE_535 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100917
SSF_INPUT_FILE_534 = NULL_FILE
SSF_INPUT_FILE_533 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100919
SSF_INPUT_FILE_532 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100920
SSF_INPUT_FILE_531 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100921
SSF_INPUT_FILE_530 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100922
SSF_INPUT_FILE_529 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002100923
SSF_INPUT_FILE_528 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101000
SSF_INPUT_FILE_527 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101001
SSF_INPUT_FILE_526 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101002
SSF_INPUT_FILE_525 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101003
SSF_INPUT_FILE_524 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101004
SSF_INPUT_FILE_523 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101005
SSF_INPUT_FILE_522 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101006
SSF_INPUT_FILE_521 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101007
SSF_INPUT_FILE_520 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101008
SSF_INPUT_FILE_519 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101009
SSF_INPUT_FILE_518 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101010
SSF_INPUT_FILE_517 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101011

SSF_INPUT_FILE_516 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101012
SSF_INPUT_FILE_515 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101013
SSF_INPUT_FILE_514 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101014
SSF_INPUT_FILE_513 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101015
SSF_INPUT_FILE_512 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101016
SSF_INPUT_FILE_511 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101017
SSF_INPUT_FILE_510 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101018
SSF_INPUT_FILE_509 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101019
SSF_INPUT_FILE_508 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101020
SSF_INPUT_FILE_507 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101021
SSF_INPUT_FILE_506 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101022
SSF_INPUT_FILE_505 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101023
SSF_INPUT_FILE_504 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101100
SSF_INPUT_FILE_503 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101101
SSF_INPUT_FILE_502 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101102
SSF_INPUT_FILE_501 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101103
SSF_INPUT_FILE_500 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101104
SSF_INPUT_FILE_499 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101105
SSF_INPUT_FILE_498 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101106
SSF_INPUT_FILE_497 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101107
SSF_INPUT_FILE_496 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101108
SSF_INPUT_FILE_495 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101109
SSF_INPUT_FILE_494 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101110
SSF_INPUT_FILE_493 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101111
SSF_INPUT_FILE_492 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101112
SSF_INPUT_FILE_491 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101113
SSF_INPUT_FILE_490 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101114
SSF_INPUT_FILE_489 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101115
SSF_INPUT_FILE_488 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101116
SSF_INPUT_FILE_487 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101117
SSF_INPUT_FILE_486 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101118
SSF_INPUT_FILE_485 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101119
SSF_INPUT_FILE_484 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101120
SSF_INPUT_FILE_483 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101121
SSF_INPUT_FILE_482 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101122
SSF_INPUT_FILE_481 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101123
SSF_INPUT_FILE_480 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101200
SSF_INPUT_FILE_479 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101201
SSF_INPUT_FILE_478 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101202
SSF_INPUT_FILE_477 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101203
SSF_INPUT_FILE_476 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101204
SSF_INPUT_FILE_475 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101205
SSF_INPUT_FILE_474 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101206
SSF_INPUT_FILE_473 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101207
SSF_INPUT_FILE_472 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101208
SSF_INPUT_FILE_471 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101209
SSF_INPUT_FILE_470 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101210
SSF_INPUT_FILE_469 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101211
SSF_INPUT_FILE_468 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101212
SSF_INPUT_FILE_467 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101213
SSF_INPUT_FILE_466 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101214
SSF_INPUT_FILE_465 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101215
SSF_INPUT_FILE_464 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101216
SSF_INPUT_FILE_463 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101217

SSF_INPUT_FILE_462 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101218
SSF_INPUT_FILE_461 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101219
SSF_INPUT_FILE_460 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101220
SSF_INPUT_FILE_459 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101221
SSF_INPUT_FILE_458 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101222
SSF_INPUT_FILE_457 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101223
SSF_INPUT_FILE_456 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101300
SSF_INPUT_FILE_455 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101301
SSF_INPUT_FILE_454 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101302
SSF_INPUT_FILE_453 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101303
SSF_INPUT_FILE_452 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101304
SSF_INPUT_FILE_451 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101305
SSF_INPUT_FILE_450 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101306
SSF_INPUT_FILE_449 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101307
SSF_INPUT_FILE_448 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101308
SSF_INPUT_FILE_447 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101309
SSF_INPUT_FILE_446 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101310
SSF_INPUT_FILE_445 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101311
SSF_INPUT_FILE_444 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101312
SSF_INPUT_FILE_443 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101313
SSF_INPUT_FILE_442 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101314
SSF_INPUT_FILE_441 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101315
SSF_INPUT_FILE_440 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101316
SSF_INPUT_FILE_439 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101317
SSF_INPUT_FILE_438 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101318
SSF_INPUT_FILE_437 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101319
SSF_INPUT_FILE_436 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101320
SSF_INPUT_FILE_435 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101321
SSF_INPUT_FILE_434 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101322
SSF_INPUT_FILE_433 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101323
SSF_INPUT_FILE_432 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101400
SSF_INPUT_FILE_431 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101401
SSF_INPUT_FILE_430 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101402
SSF_INPUT_FILE_429 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101403
SSF_INPUT_FILE_428 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101404
SSF_INPUT_FILE_427 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101405
SSF_INPUT_FILE_426 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101406
SSF_INPUT_FILE_425 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101407
SSF_INPUT_FILE_424 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101408
SSF_INPUT_FILE_423 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101409
SSF_INPUT_FILE_422 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101410
SSF_INPUT_FILE_421 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101411
SSF_INPUT_FILE_420 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101412
SSF_INPUT_FILE_419 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101413
SSF_INPUT_FILE_418 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101414
SSF_INPUT_FILE_417 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101415
SSF_INPUT_FILE_416 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101416
SSF_INPUT_FILE_415 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101417
SSF_INPUT_FILE_414 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101418
SSF_INPUT_FILE_413 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101419
SSF_INPUT_FILE_412 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101420
SSF_INPUT_FILE_411 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101421
SSF_INPUT_FILE_410 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101422
SSF_INPUT_FILE_409 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101423

SSF_INPUT_FILE_408 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101500
SSF_INPUT_FILE_407 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101501
SSF_INPUT_FILE_406 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101502
SSF_INPUT_FILE_405 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101503
SSF_INPUT_FILE_404 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101504
SSF_INPUT_FILE_403 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101505
SSF_INPUT_FILE_402 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101506
SSF_INPUT_FILE_401 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101507
SSF_INPUT_FILE_400 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101508
SSF_INPUT_FILE_399 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101509
SSF_INPUT_FILE_398 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101510
SSF_INPUT_FILE_397 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101511
SSF_INPUT_FILE_396 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101512
SSF_INPUT_FILE_395 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101513
SSF_INPUT_FILE_394 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101514
SSF_INPUT_FILE_393 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101515
SSF_INPUT_FILE_392 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101516
SSF_INPUT_FILE_391 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101517
SSF_INPUT_FILE_390 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101518
SSF_INPUT_FILE_389 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101519
SSF_INPUT_FILE_388 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101520
SSF_INPUT_FILE_387 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101521
SSF_INPUT_FILE_386 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101522
SSF_INPUT_FILE_385 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101523
SSF_INPUT_FILE_384 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101600
SSF_INPUT_FILE_383 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101601
SSF_INPUT_FILE_382 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101602
SSF_INPUT_FILE_381 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101603
SSF_INPUT_FILE_380 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101604
SSF_INPUT_FILE_379 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101605
SSF_INPUT_FILE_378 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101606
SSF_INPUT_FILE_377 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101607
SSF_INPUT_FILE_376 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101608
SSF_INPUT_FILE_375 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101609
SSF_INPUT_FILE_374 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101610
SSF_INPUT_FILE_373 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101611
SSF_INPUT_FILE_372 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101612
SSF_INPUT_FILE_371 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101613
SSF_INPUT_FILE_370 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101614
SSF_INPUT_FILE_369 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101615
SSF_INPUT_FILE_368 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101616
SSF_INPUT_FILE_367 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101617
SSF_INPUT_FILE_366 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101618
SSF_INPUT_FILE_365 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101619
SSF_INPUT_FILE_364 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101620
SSF_INPUT_FILE_363 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101621
SSF_INPUT_FILE_362 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101622
SSF_INPUT_FILE_361 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101623
SSF_INPUT_FILE_360 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101700
SSF_INPUT_FILE_359 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101701
SSF_INPUT_FILE_358 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101702
SSF_INPUT_FILE_357 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101703
SSF_INPUT_FILE_356 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101704
SSF_INPUT_FILE_355 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101705

SSF_INPUT_FILE_354 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101706
SSF_INPUT_FILE_353 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101707
SSF_INPUT_FILE_352 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101708
SSF_INPUT_FILE_351 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101709
SSF_INPUT_FILE_350 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101710
SSF_INPUT_FILE_349 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101711
SSF_INPUT_FILE_348 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101712
SSF_INPUT_FILE_347 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101713
SSF_INPUT_FILE_346 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101714
SSF_INPUT_FILE_345 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101715
SSF_INPUT_FILE_344 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101716
SSF_INPUT_FILE_343 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101717
SSF_INPUT_FILE_342 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101718
SSF_INPUT_FILE_341 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101719
SSF_INPUT_FILE_340 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101720
SSF_INPUT_FILE_339 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101721
SSF_INPUT_FILE_338 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101722
SSF_INPUT_FILE_337 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101723
SSF_INPUT_FILE_336 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101800
SSF_INPUT_FILE_335 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101801
SSF_INPUT_FILE_334 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101802
SSF_INPUT_FILE_333 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101803
SSF_INPUT_FILE_332 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101804
SSF_INPUT_FILE_331 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101805
SSF_INPUT_FILE_330 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101806
SSF_INPUT_FILE_329 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101807
SSF_INPUT_FILE_328 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101808
SSF_INPUT_FILE_327 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101809
SSF_INPUT_FILE_326 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101810
SSF_INPUT_FILE_325 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101811
SSF_INPUT_FILE_324 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101812
SSF_INPUT_FILE_323 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101813
SSF_INPUT_FILE_322 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101814
SSF_INPUT_FILE_321 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101815
SSF_INPUT_FILE_320 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101816
SSF_INPUT_FILE_319 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101817
SSF_INPUT_FILE_318 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101818
SSF_INPUT_FILE_317 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101819
SSF_INPUT_FILE_316 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101820
SSF_INPUT_FILE_315 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101821
SSF_INPUT_FILE_314 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101822
SSF_INPUT_FILE_313 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101823
SSF_INPUT_FILE_312 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101900
SSF_INPUT_FILE_311 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101901
SSF_INPUT_FILE_310 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101902
SSF_INPUT_FILE_309 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101903
SSF_INPUT_FILE_308 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101904
SSF_INPUT_FILE_307 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101905
SSF_INPUT_FILE_306 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101906
SSF_INPUT_FILE_305 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101907
SSF_INPUT_FILE_304 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101908
SSF_INPUT_FILE_303 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101909
SSF_INPUT_FILE_302 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101910
SSF_INPUT_FILE_301 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101911

SSF_INPUT_FILE_300 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101912
SSF_INPUT_FILE_299 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101913
SSF_INPUT_FILE_298 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101914
SSF_INPUT_FILE_297 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101915
SSF_INPUT_FILE_296 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101916
SSF_INPUT_FILE_295 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101917
SSF_INPUT_FILE_294 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101918
SSF_INPUT_FILE_293 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101919
SSF_INPUT_FILE_292 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101920
SSF_INPUT_FILE_291 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101921
SSF_INPUT_FILE_290 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101922
SSF_INPUT_FILE_289 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002101923
SSF_INPUT_FILE_288 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102000
SSF_INPUT_FILE_287 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102001
SSF_INPUT_FILE_286 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102002
SSF_INPUT_FILE_285 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102003
SSF_INPUT_FILE_284 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102004
SSF_INPUT_FILE_283 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102005
SSF_INPUT_FILE_282 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102006
SSF_INPUT_FILE_281 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102007
SSF_INPUT_FILE_280 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102008
SSF_INPUT_FILE_279 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102009
SSF_INPUT_FILE_278 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102010
SSF_INPUT_FILE_277 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102011
SSF_INPUT_FILE_276 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102012
SSF_INPUT_FILE_275 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102013
SSF_INPUT_FILE_274 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102014
SSF_INPUT_FILE_273 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102015
SSF_INPUT_FILE_272 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102016
SSF_INPUT_FILE_271 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102017
SSF_INPUT_FILE_270 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102018
SSF_INPUT_FILE_269 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102019
SSF_INPUT_FILE_268 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102020
SSF_INPUT_FILE_267 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102021
SSF_INPUT_FILE_266 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102022
SSF_INPUT_FILE_265 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102023
SSF_INPUT_FILE_264 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102100
SSF_INPUT_FILE_263 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102101
SSF_INPUT_FILE_262 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102102
SSF_INPUT_FILE_261 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102103
SSF_INPUT_FILE_260 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102104
SSF_INPUT_FILE_259 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102105
SSF_INPUT_FILE_258 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102106
SSF_INPUT_FILE_257 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102107
SSF_INPUT_FILE_256 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102108
SSF_INPUT_FILE_255 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102109
SSF_INPUT_FILE_254 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102110
SSF_INPUT_FILE_253 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102111
SSF_INPUT_FILE_252 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102112
SSF_INPUT_FILE_251 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102113
SSF_INPUT_FILE_250 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102114
SSF_INPUT_FILE_249 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102115
SSF_INPUT_FILE_248 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102116
SSF_INPUT_FILE_247 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102117

SSF_INPUT_FILE_246 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102118
SSF_INPUT_FILE_245 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102119
SSF_INPUT_FILE_244 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102120
SSF_INPUT_FILE_243 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102121
SSF_INPUT_FILE_242 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102122
SSF_INPUT_FILE_241 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102123
SSF_INPUT_FILE_240 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102200
SSF_INPUT_FILE_239 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102201
SSF_INPUT_FILE_238 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102202
SSF_INPUT_FILE_237 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102203
SSF_INPUT_FILE_236 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102204
SSF_INPUT_FILE_235 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102205
SSF_INPUT_FILE_234 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102206
SSF_INPUT_FILE_233 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102207
SSF_INPUT_FILE_232 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102208
SSF_INPUT_FILE_231 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102209
SSF_INPUT_FILE_230 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102210
SSF_INPUT_FILE_229 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102211
SSF_INPUT_FILE_228 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102212
SSF_INPUT_FILE_227 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102213
SSF_INPUT_FILE_226 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102214
SSF_INPUT_FILE_225 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102215
SSF_INPUT_FILE_224 = NULL_FILE
SSF_INPUT_FILE_223 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102217
SSF_INPUT_FILE_222 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102218
SSF_INPUT_FILE_221 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102219
SSF_INPUT_FILE_220 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102220
SSF_INPUT_FILE_219 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102221
SSF_INPUT_FILE_218 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102222
SSF_INPUT_FILE_217 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102223
SSF_INPUT_FILE_216 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102300
SSF_INPUT_FILE_215 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102301
SSF_INPUT_FILE_214 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102302
SSF_INPUT_FILE_213 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102303
SSF_INPUT_FILE_212 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102304
SSF_INPUT_FILE_211 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102305
SSF_INPUT_FILE_210 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102306
SSF_INPUT_FILE_209 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102307
SSF_INPUT_FILE_208 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102308
SSF_INPUT_FILE_207 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102309
SSF_INPUT_FILE_206 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102310
SSF_INPUT_FILE_205 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102311
SSF_INPUT_FILE_204 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102312
SSF_INPUT_FILE_203 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102313
SSF_INPUT_FILE_202 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102314
SSF_INPUT_FILE_201 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102315
SSF_INPUT_FILE_200 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102316
SSF_INPUT_FILE_199 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102317
SSF_INPUT_FILE_198 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102318
SSF_INPUT_FILE_197 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102319
SSF_INPUT_FILE_196 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102320
SSF_INPUT_FILE_195 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102321
SSF_INPUT_FILE_194 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102322
SSF_INPUT_FILE_193 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102323

SSF_INPUT_FILE_192 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102400
SSF_INPUT_FILE_191 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102401
SSF_INPUT_FILE_190 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102402
SSF_INPUT_FILE_189 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102403
SSF_INPUT_FILE_188 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102404
SSF_INPUT_FILE_187 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102405
SSF_INPUT_FILE_186 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102406
SSF_INPUT_FILE_185 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102407
SSF_INPUT_FILE_184 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102408
SSF_INPUT_FILE_183 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102409
SSF_INPUT_FILE_182 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102410
SSF_INPUT_FILE_181 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102411
SSF_INPUT_FILE_180 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102412
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SSF_INPUT_FILE_178 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102414
SSF_INPUT_FILE_177 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102415
SSF_INPUT_FILE_176 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102416
SSF_INPUT_FILE_175 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102417
SSF_INPUT_FILE_174 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102418
SSF_INPUT_FILE_173 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102419
SSF_INPUT_FILE_172 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102420
SSF_INPUT_FILE_171 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102421
SSF_INPUT_FILE_170 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102422
SSF_INPUT_FILE_169 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102423
SSF_INPUT_FILE_168 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102500
SSF_INPUT_FILE_167 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102501
SSF_INPUT_FILE_166 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102502
SSF_INPUT_FILE_165 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102503
SSF_INPUT_FILE_164 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102504
SSF_INPUT_FILE_163 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102505
SSF_INPUT_FILE_162 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102506
SSF_INPUT_FILE_161 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102507
SSF_INPUT_FILE_160 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102508
SSF_INPUT_FILE_159 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102509
SSF_INPUT_FILE_158 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102510
SSF_INPUT_FILE_157 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102511
SSF_INPUT_FILE_156 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102512
SSF_INPUT_FILE_155 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102513
SSF_INPUT_FILE_154 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102514
SSF_INPUT_FILE_153 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102515
SSF_INPUT_FILE_152 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102516
SSF_INPUT_FILE_151 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102517
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SSF_INPUT_FILE_149 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102519
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SSF_INPUT_FILE_146 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102522
SSF_INPUT_FILE_145 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102523
SSF_INPUT_FILE_144 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102600
SSF_INPUT_FILE_143 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102601
SSF_INPUT_FILE_142 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102602
SSF_INPUT_FILE_141 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102603
SSF_INPUT_FILE_140 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102604
SSF_INPUT_FILE_139 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102605

SSF_INPUT_FILE_138 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102606
SSF_INPUT_FILE_137 = NULL_FILE
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SSF_INPUT_FILE_135 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102609
SSF_INPUT_FILE_134 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102610
SSF_INPUT_FILE_133 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102611
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SSF_INPUT_FILE_130 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102614
SSF_INPUT_FILE_129 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102615
SSF_INPUT_FILE_128 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102616
SSF_INPUT_FILE_127 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102617
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SSF_INPUT_FILE_125 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102619
SSF_INPUT_FILE_124 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102620
SSF_INPUT_FILE_123 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102621
SSF_INPUT_FILE_122 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102622
SSF_INPUT_FILE_121 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102623
SSF_INPUT_FILE_120 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102700
SSF_INPUT_FILE_119 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102701
SSF_INPUT_FILE_118 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102702
SSF_INPUT_FILE_117 = NULL_FILE
SSF_INPUT_FILE_116 = NULL_FILE
SSF_INPUT_FILE_115 = NULL_FILE
SSF_INPUT_FILE_114 = NULL_FILE
SSF_INPUT_FILE_113 = NULL_FILE
SSF_INPUT_FILE_112 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102708
SSF_INPUT_FILE_111 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102709
SSF_INPUT_FILE_110 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102710
SSF_INPUT_FILE_109 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102711
SSF_INPUT_FILE_108 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102712
SSF_INPUT_FILE_107 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102713
SSF_INPUT_FILE_106 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102714
SSF_INPUT_FILE_105 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102715
SSF_INPUT_FILE_104 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102716
SSF_INPUT_FILE_103 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102717
SSF_INPUT_FILE_102 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102718
SSF_INPUT_FILE_101 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102719
SSF_INPUT_FILE_100 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102720
SSF_INPUT_FILE_099 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102721
SSF_INPUT_FILE_098 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102722
SSF_INPUT_FILE_097 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102723
SSF_INPUT_FILE_096 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102800
SSF_INPUT_FILE_095 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102801
SSF_INPUT_FILE_094 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102802
SSF_INPUT_FILE_093 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102803
SSF_INPUT_FILE_092 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102804
SSF_INPUT_FILE_091 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102805
SSF_INPUT_FILE_090 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102806
SSF_INPUT_FILE_089 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102807
SSF_INPUT_FILE_088 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102808
SSF_INPUT_FILE_087 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102809
SSF_INPUT_FILE_086 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102810
SSF_INPUT_FILE_085 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102811

SSF_INPUT_FILE_084 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102812
SSF_INPUT_FILE_083 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102813
SSF_INPUT_FILE_082 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102814
SSF_INPUT_FILE_081 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102815
SSF_INPUT_FILE_080 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102816
SSF_INPUT_FILE_079 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102817
SSF_INPUT_FILE_078 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102818
SSF_INPUT_FILE_077 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102819
SSF_INPUT_FILE_076 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102820
SSF_INPUT_FILE_075 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102821
SSF_INPUT_FILE_074 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102822
SSF_INPUT_FILE_073 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102823
SSF_INPUT_FILE_072 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102900
SSF_INPUT_FILE_071 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102901
SSF_INPUT_FILE_070 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102902
SSF_INPUT_FILE_069 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102903
SSF_INPUT_FILE_068 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102904
SSF_INPUT_FILE_067 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102905
SSF_INPUT_FILE_066 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102906
SSF_INPUT_FILE_065 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102907
SSF_INPUT_FILE_064 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102908
SSF_INPUT_FILE_063 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102909
SSF_INPUT_FILE_062 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102910
SSF_INPUT_FILE_061 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102911
SSF_INPUT_FILE_060 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102912
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SSF_INPUT_FILE_058 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102914
SSF_INPUT_FILE_057 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102915
SSF_INPUT_FILE_056 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102916
SSF_INPUT_FILE_055 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102917
SSF_INPUT_FILE_054 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102918
SSF_INPUT_FILE_053 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102919
SSF_INPUT_FILE_052 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102920
SSF_INPUT_FILE_051 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102921
SSF_INPUT_FILE_050 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102922
SSF_INPUT_FILE_049 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002102923
SSF_INPUT_FILE_048 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103000
SSF_INPUT_FILE_047 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103001
SSF_INPUT_FILE_046 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103002
SSF_INPUT_FILE_045 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103003
SSF_INPUT_FILE_044 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103004
SSF_INPUT_FILE_043 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103005
SSF_INPUT_FILE_042 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103006
SSF_INPUT_FILE_041 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103007
SSF_INPUT_FILE_040 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103008
SSF_INPUT_FILE_039 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103009
SSF_INPUT_FILE_038 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103010
SSF_INPUT_FILE_037 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103011
SSF_INPUT_FILE_036 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103012
SSF_INPUT_FILE_035 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103013
SSF_INPUT_FILE_034 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103014
SSF_INPUT_FILE_033 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103015
SSF_INPUT_FILE_032 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103016
SSF_INPUT_FILE_031 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103017

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SSF_INPUT_FILE_030 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103018
SSF_INPUT_FILE_029 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103019
SSF_INPUT_FILE_028 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103020
SSF_INPUT_FILE_027 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103021
SSF_INPUT_FILE_026 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103022
SSF_INPUT_FILE_025 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103023
SSF_INPUT_FILE_024 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103100
SSF_INPUT_FILE_023 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103101
SSF_INPUT_FILE_022 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103102
SSF_INPUT_FILE_021 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103103
SSF_INPUT_FILE_020 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103104
SSF_INPUT_FILE_019 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103105
SSF_INPUT_FILE_018 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103106
SSF_INPUT_FILE_017 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103107
SSF_INPUT_FILE_016 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103108
SSF_INPUT_FILE_015 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103109
SSF_INPUT_FILE_014 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103110
SSF_INPUT_FILE_013 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103111
SSF_INPUT_FILE_012 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103112
SSF_INPUT_FILE_011 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103113
SSF_INPUT_FILE_010 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103114
SSF_INPUT_FILE_009 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103115
SSF_INPUT_FILE_008 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103116
SSF_INPUT_FILE_007 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103117
SSF_INPUT_FILE_006 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103118
SSF_INPUT_FILE_005 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103119
SSF_INPUT_FILE_004 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103120
SSF_INPUT_FILE_003 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103121
SSF_INPUT_FILE_002 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103122
SSF_INPUT_FILE_001 = CER_SSF_Terra-FM1-MODIS_Edition2B_026030.2002103123

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# Output file names #
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ISCCPD_OUTPUT_FILE_01 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021031
ISCCPD_OUTPUT_FILE_02 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021030
ISCCPD_OUTPUT_FILE_03 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021029
ISCCPD_OUTPUT_FILE_04 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021028
ISCCPD_OUTPUT_FILE_05 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021027
ISCCPD_OUTPUT_FILE_06 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021026
ISCCPD_OUTPUT_FILE_07 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021025
ISCCPD_OUTPUT_FILE_08 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021024
ISCCPD_OUTPUT_FILE_09 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021023
ISCCPD_OUTPUT_FILE_10 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021022
ISCCPD_OUTPUT_FILE_11 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021021
ISCCPD_OUTPUT_FILE_12 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021020
ISCCPD_OUTPUT_FILE_13 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021019
ISCCPD_OUTPUT_FILE_14 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021018
ISCCPD_OUTPUT_FILE_15 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021017
ISCCPD_OUTPUT_FILE_16 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021016
ISCCPD_OUTPUT_FILE_17 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021015
ISCCPD_OUTPUT_FILE_18 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021014
ISCCPD_OUTPUT_FILE_19 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021013
ISCCPD_OUTPUT_FILE_20 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021012
```

```
ISCCPD_OUTPUT_FILE_21 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021011
ISCCPD_OUTPUT_FILE_22 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021010
ISCCPD_OUTPUT_FILE_23 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021009
ISCCPD_OUTPUT_FILE_24 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021008
ISCCPD_OUTPUT_FILE_25 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021007
ISCCPD_OUTPUT_FILE_26 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021006
ISCCPD_OUTPUT_FILE_27 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021005
ISCCPD_OUTPUT_FILE_28 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021004
ISCCPD_OUTPUT_FILE_29 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021003
ISCCPD_OUTPUT_FILE_30 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021002
ISCCPD_OUTPUT_FILE_31 = CER_ISCCP-D2likeD_Terra-FM1-MODIS_TestSuite_000000.20021001
ISCCP_OUTPUT_FILE = CER_ISCCP-D2like_Terra-FM1-MODIS_TestSuite_000000.200210

##################
# Log file names #
##################
LogReport = CER9.0P1_LogReport_Terra-FM1-MODIS_TestSuite_000000.200210
LogStatus = CER9.0P1_LogStatus_Terra-FM1-MODIS_TestSuite_000000.200210
LogUser = CER9.0P1_LogUser_Terra-FM1-MODIS_TestSuite_000000.200210
```

C.5 Sample Input File Listing for CER9.1P1

```
##########################
# CERES Baseline Metadata #
##########################
PGEName=CER9.1P1
SamplingStrategy=CERES
ProductionStrategy= ECMWF-GEOS2
CERDataDateYear=1998
CERDataDateMonth=01
ConfigurationCode=000000
SWsccr= 00000
DATAsccr= 00000

##################################
# PGE specific runtime parameters #
##################################
BegNestedRegSeqNo=0
EndNestedRegSeqNo=0

###########################
# PGE required directories #
###########################
CERESHOME=/CERES
PGS_DIR=/usr/local/scf_toolkit5.2.3.L1_f90/TOOLKIT
MOA_InputDir=/CERES/sarb/data/out_comp/data/regridmoa
PMOA_OutputDir=/CERES/tisa_grid/data/out_comp/data/PMOA
LOG_Dir=/CERES/tisa_grid/runlogs
SCR_DIR=/CERES/tisa_grid/data/scr

###################
# Input file names #
###################
MOA_INPUT_FILE_744=CER_MOA_CERES_{ProductionStrategy}_000000.1998010100
MOA_INPUT_FILE_743=CER_MOA_CERES_{ProductionStrategy}_000000.1998010101
MOA_INPUT_FILE_742=CER_MOA_CERES_{ProductionStrategy}_000000.1998010102
MOA_INPUT_FILE_741=CER_MOA_CERES_{ProductionStrategy}_000000.1998010103
MOA_INPUT_FILE_740=CER_MOA_CERES_{ProductionStrategy}_000000.1998010104
MOA_INPUT_FILE_739=CER_MOA_CERES_{ProductionStrategy}_000000.1998010105
MOA_INPUT_FILE_738=CER_MOA_CERES_{ProductionStrategy}_000000.1998010106
MOA_INPUT_FILE_737=CER_MOA_CERES_{ProductionStrategy}_000000.1998010107
MOA_INPUT_FILE_736=CER_MOA_CERES_{ProductionStrategy}_000000.1998010108
MOA_INPUT_FILE_735=CER_MOA_CERES_{ProductionStrategy}_000000.1998010109
MOA_INPUT_FILE_734=CER_MOA_CERES_{ProductionStrategy}_000000.1998010110
MOA_INPUT_FILE_733=CER_MOA_CERES_{ProductionStrategy}_000000.1998010111
MOA_INPUT_FILE_732=CER_MOA_CERES_{ProductionStrategy}_000000.1998010112
MOA_INPUT_FILE_731=CER_MOA_CERES_{ProductionStrategy}_000000.1998010113
MOA_INPUT_FILE_730=CER_MOA_CERES_{ProductionStrategy}_000000.1998010114
MOA_INPUT_FILE_729=CER_MOA_CERES_{ProductionStrategy}_000000.1998010115
MOA_INPUT_FILE_728=CER_MOA_CERES_{ProductionStrategy}_000000.1998010116
MOA_INPUT_FILE_727=CER_MOA_CERES_{ProductionStrategy}_000000.1998010117
```

MOA_INPUT_FILE_726=CER_MOA_CERES_{ProductionStrategy}_000000.1998010118
MOA_INPUT_FILE_725=CER_MOA_CERES_{ProductionStrategy}_000000.1998010119
MOA_INPUT_FILE_724=CER_MOA_CERES_{ProductionStrategy}_000000.1998010120
MOA_INPUT_FILE_723=CER_MOA_CERES_{ProductionStrategy}_000000.1998010121
MOA_INPUT_FILE_722=CER_MOA_CERES_{ProductionStrategy}_000000.1998010122
MOA_INPUT_FILE_721=CER_MOA_CERES_{ProductionStrategy}_000000.1998010123
MOA_INPUT_FILE_720=CER_MOA_CERES_{ProductionStrategy}_000000.1998010200
MOA_INPUT_FILE_719=CER_MOA_CERES_{ProductionStrategy}_000000.1998010201
MOA_INPUT_FILE_718=CER_MOA_CERES_{ProductionStrategy}_000000.1998010202
MOA_INPUT_FILE_717=CER_MOA_CERES_{ProductionStrategy}_000000.1998010203
MOA_INPUT_FILE_716=CER_MOA_CERES_{ProductionStrategy}_000000.1998010204
MOA_INPUT_FILE_715=CER_MOA_CERES_{ProductionStrategy}_000000.1998010205
MOA_INPUT_FILE_714=CER_MOA_CERES_{ProductionStrategy}_000000.1998010206
MOA_INPUT_FILE_713=CER_MOA_CERES_{ProductionStrategy}_000000.1998010207
MOA_INPUT_FILE_712=CER_MOA_CERES_{ProductionStrategy}_000000.1998010208
MOA_INPUT_FILE_711=CER_MOA_CERES_{ProductionStrategy}_000000.1998010209
MOA_INPUT_FILE_710=CER_MOA_CERES_{ProductionStrategy}_000000.1998010210
MOA_INPUT_FILE_709=CER_MOA_CERES_{ProductionStrategy}_000000.1998010211
MOA_INPUT_FILE_708=CER_MOA_CERES_{ProductionStrategy}_000000.1998010212
MOA_INPUT_FILE_707=CER_MOA_CERES_{ProductionStrategy}_000000.1998010213
MOA_INPUT_FILE_706=CER_MOA_CERES_{ProductionStrategy}_000000.1998010214
MOA_INPUT_FILE_705=CER_MOA_CERES_{ProductionStrategy}_000000.1998010215
MOA_INPUT_FILE_704=CER_MOA_CERES_{ProductionStrategy}_000000.1998010216
MOA_INPUT_FILE_703=CER_MOA_CERES_{ProductionStrategy}_000000.1998010217
MOA_INPUT_FILE_702=CER_MOA_CERES_{ProductionStrategy}_000000.1998010218
MOA_INPUT_FILE_701=CER_MOA_CERES_{ProductionStrategy}_000000.1998010219
MOA_INPUT_FILE_700=CER_MOA_CERES_{ProductionStrategy}_000000.1998010220
MOA_INPUT_FILE_699=CER_MOA_CERES_{ProductionStrategy}_000000.1998010221
MOA_INPUT_FILE_698=CER_MOA_CERES_{ProductionStrategy}_000000.1998010222
MOA_INPUT_FILE_697=CER_MOA_CERES_{ProductionStrategy}_000000.1998010223
MOA_INPUT_FILE_696=CER_MOA_CERES_{ProductionStrategy}_000000.1998010300
MOA_INPUT_FILE_695=CER_MOA_CERES_{ProductionStrategy}_000000.1998010301
MOA_INPUT_FILE_694=CER_MOA_CERES_{ProductionStrategy}_000000.1998010302
MOA_INPUT_FILE_693=CER_MOA_CERES_{ProductionStrategy}_000000.1998010303
MOA_INPUT_FILE_692=CER_MOA_CERES_{ProductionStrategy}_000000.1998010304
MOA_INPUT_FILE_691=CER_MOA_CERES_{ProductionStrategy}_000000.1998010305
MOA_INPUT_FILE_690=CER_MOA_CERES_{ProductionStrategy}_000000.1998010306
MOA_INPUT_FILE_689=CER_MOA_CERES_{ProductionStrategy}_000000.1998010307
MOA_INPUT_FILE_688=CER_MOA_CERES_{ProductionStrategy}_000000.1998010308
MOA_INPUT_FILE_687=CER_MOA_CERES_{ProductionStrategy}_000000.1998010309
MOA_INPUT_FILE_686=CER_MOA_CERES_{ProductionStrategy}_000000.1998010310
MOA_INPUT_FILE_685=CER_MOA_CERES_{ProductionStrategy}_000000.1998010311
MOA_INPUT_FILE_684=CER_MOA_CERES_{ProductionStrategy}_000000.1998010312
MOA_INPUT_FILE_683=CER_MOA_CERES_{ProductionStrategy}_000000.1998010313
MOA_INPUT_FILE_682=CER_MOA_CERES_{ProductionStrategy}_000000.1998010314
MOA_INPUT_FILE_681=CER_MOA_CERES_{ProductionStrategy}_000000.1998010315
MOA_INPUT_FILE_680=CER_MOA_CERES_{ProductionStrategy}_000000.1998010316
MOA_INPUT_FILE_679=CER_MOA_CERES_{ProductionStrategy}_000000.1998010317
MOA_INPUT_FILE_678=CER_MOA_CERES_{ProductionStrategy}_000000.1998010318
MOA_INPUT_FILE_677=CER_MOA_CERES_{ProductionStrategy}_000000.1998010319
MOA_INPUT_FILE_676=CER_MOA_CERES_{ProductionStrategy}_000000.1998010320
MOA_INPUT_FILE_675=CER_MOA_CERES_{ProductionStrategy}_000000.1998010321
MOA_INPUT_FILE_674=CER_MOA_CERES_{ProductionStrategy}_000000.1998010322
MOA_INPUT_FILE_673=CER_MOA_CERES_{ProductionStrategy}_000000.1998010323

MOA_INPUT_FILE_672=CER_MOA_CERES_{ProductionStrategy}_000000.1998010400
MOA_INPUT_FILE_671=CER_MOA_CERES_{ProductionStrategy}_000000.1998010401
MOA_INPUT_FILE_670=CER_MOA_CERES_{ProductionStrategy}_000000.1998010402
MOA_INPUT_FILE_669=CER_MOA_CERES_{ProductionStrategy}_000000.1998010403
MOA_INPUT_FILE_668=CER_MOA_CERES_{ProductionStrategy}_000000.1998010404
MOA_INPUT_FILE_667=CER_MOA_CERES_{ProductionStrategy}_000000.1998010405
MOA_INPUT_FILE_666=CER_MOA_CERES_{ProductionStrategy}_000000.1998010406
MOA_INPUT_FILE_665=CER_MOA_CERES_{ProductionStrategy}_000000.1998010407
MOA_INPUT_FILE_664=CER_MOA_CERES_{ProductionStrategy}_000000.1998010408
MOA_INPUT_FILE_663=CER_MOA_CERES_{ProductionStrategy}_000000.1998010409
MOA_INPUT_FILE_662=CER_MOA_CERES_{ProductionStrategy}_000000.1998010410
MOA_INPUT_FILE_661=CER_MOA_CERES_{ProductionStrategy}_000000.1998010411
MOA_INPUT_FILE_660=CER_MOA_CERES_{ProductionStrategy}_000000.1998010412
MOA_INPUT_FILE_659=CER_MOA_CERES_{ProductionStrategy}_000000.1998010413
MOA_INPUT_FILE_658=CER_MOA_CERES_{ProductionStrategy}_000000.1998010414
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MOA_INPUT_FILE_655=CER_MOA_CERES_{ProductionStrategy}_000000.1998010417
MOA_INPUT_FILE_654=CER_MOA_CERES_{ProductionStrategy}_000000.1998010418
MOA_INPUT_FILE_653=CER_MOA_CERES_{ProductionStrategy}_000000.1998010419
MOA_INPUT_FILE_652=CER_MOA_CERES_{ProductionStrategy}_000000.1998010420
MOA_INPUT_FILE_651=CER_MOA_CERES_{ProductionStrategy}_000000.1998010421
MOA_INPUT_FILE_650=CER_MOA_CERES_{ProductionStrategy}_000000.1998010422
MOA_INPUT_FILE_649=CER_MOA_CERES_{ProductionStrategy}_000000.1998010423
MOA_INPUT_FILE_648=CER_MOA_CERES_{ProductionStrategy}_000000.1998010500
MOA_INPUT_FILE_647=CER_MOA_CERES_{ProductionStrategy}_000000.1998010501
MOA_INPUT_FILE_646=CER_MOA_CERES_{ProductionStrategy}_000000.1998010502
MOA_INPUT_FILE_645=CER_MOA_CERES_{ProductionStrategy}_000000.1998010503
MOA_INPUT_FILE_644=CER_MOA_CERES_{ProductionStrategy}_000000.1998010504
MOA_INPUT_FILE_643=CER_MOA_CERES_{ProductionStrategy}_000000.1998010505
MOA_INPUT_FILE_642=CER_MOA_CERES_{ProductionStrategy}_000000.1998010506
MOA_INPUT_FILE_641=CER_MOA_CERES_{ProductionStrategy}_000000.1998010507
MOA_INPUT_FILE_640=CER_MOA_CERES_{ProductionStrategy}_000000.1998010508
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MOA_INPUT_FILE_637=CER_MOA_CERES_{ProductionStrategy}_000000.1998010511
MOA_INPUT_FILE_636=CER_MOA_CERES_{ProductionStrategy}_000000.1998010512
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MOA_INPUT_FILE_634=CER_MOA_CERES_{ProductionStrategy}_000000.1998010514
MOA_INPUT_FILE_633=CER_MOA_CERES_{ProductionStrategy}_000000.1998010515
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MOA_INPUT_FILE_631=CER_MOA_CERES_{ProductionStrategy}_000000.1998010517
MOA_INPUT_FILE_630=CER_MOA_CERES_{ProductionStrategy}_000000.1998010518
MOA_INPUT_FILE_629=CER_MOA_CERES_{ProductionStrategy}_000000.1998010519
MOA_INPUT_FILE_628=CER_MOA_CERES_{ProductionStrategy}_000000.1998010520
MOA_INPUT_FILE_627=CER_MOA_CERES_{ProductionStrategy}_000000.1998010521
MOA_INPUT_FILE_626=CER_MOA_CERES_{ProductionStrategy}_000000.1998010522
MOA_INPUT_FILE_625=CER_MOA_CERES_{ProductionStrategy}_000000.1998010523
MOA_INPUT_FILE_624=CER_MOA_CERES_{ProductionStrategy}_000000.1998010600
MOA_INPUT_FILE_623=CER_MOA_CERES_{ProductionStrategy}_000000.1998010601
MOA_INPUT_FILE_622=CER_MOA_CERES_{ProductionStrategy}_000000.1998010602
MOA_INPUT_FILE_621=CER_MOA_CERES_{ProductionStrategy}_000000.1998010603
MOA_INPUT_FILE_620=CER_MOA_CERES_{ProductionStrategy}_000000.1998010604
MOA_INPUT_FILE_619=CER_MOA_CERES_{ProductionStrategy}_000000.1998010605

MOA_INPUT_FILE_618=CER_MOA_CERES_{ProductionStrategy}_000000.1998010606
MOA_INPUT_FILE_617=CER_MOA_CERES_{ProductionStrategy}_000000.1998010607
MOA_INPUT_FILE_616=CER_MOA_CERES_{ProductionStrategy}_000000.1998010608
MOA_INPUT_FILE_615=CER_MOA_CERES_{ProductionStrategy}_000000.1998010609
MOA_INPUT_FILE_614=CER_MOA_CERES_{ProductionStrategy}_000000.1998010610
MOA_INPUT_FILE_613=CER_MOA_CERES_{ProductionStrategy}_000000.1998010611
MOA_INPUT_FILE_612=CER_MOA_CERES_{ProductionStrategy}_000000.1998010612
MOA_INPUT_FILE_611=CER_MOA_CERES_{ProductionStrategy}_000000.1998010613
MOA_INPUT_FILE_610=CER_MOA_CERES_{ProductionStrategy}_000000.1998010614
MOA_INPUT_FILE_609=CER_MOA_CERES_{ProductionStrategy}_000000.1998010615
MOA_INPUT_FILE_608=CER_MOA_CERES_{ProductionStrategy}_000000.1998010616
MOA_INPUT_FILE_607=CER_MOA_CERES_{ProductionStrategy}_000000.1998010617
MOA_INPUT_FILE_606=CER_MOA_CERES_{ProductionStrategy}_000000.1998010618
MOA_INPUT_FILE_605=CER_MOA_CERES_{ProductionStrategy}_000000.1998010619
MOA_INPUT_FILE_604=CER_MOA_CERES_{ProductionStrategy}_000000.1998010620
MOA_INPUT_FILE_603=CER_MOA_CERES_{ProductionStrategy}_000000.1998010621
MOA_INPUT_FILE_602=CER_MOA_CERES_{ProductionStrategy}_000000.1998010622
MOA_INPUT_FILE_601=CER_MOA_CERES_{ProductionStrategy}_000000.1998010623
MOA_INPUT_FILE_600=CER_MOA_CERES_{ProductionStrategy}_000000.1998010700
MOA_INPUT_FILE_599=CER_MOA_CERES_{ProductionStrategy}_000000.1998010701
MOA_INPUT_FILE_598=CER_MOA_CERES_{ProductionStrategy}_000000.1998010702
MOA_INPUT_FILE_597=CER_MOA_CERES_{ProductionStrategy}_000000.1998010703
MOA_INPUT_FILE_596=CER_MOA_CERES_{ProductionStrategy}_000000.1998010704
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MOA_INPUT_FILE_594=CER_MOA_CERES_{ProductionStrategy}_000000.1998010706
MOA_INPUT_FILE_593=CER_MOA_CERES_{ProductionStrategy}_000000.1998010707
MOA_INPUT_FILE_592=CER_MOA_CERES_{ProductionStrategy}_000000.1998010708
MOA_INPUT_FILE_591=CER_MOA_CERES_{ProductionStrategy}_000000.1998010709
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MOA_INPUT_FILE_589=CER_MOA_CERES_{ProductionStrategy}_000000.1998010711
MOA_INPUT_FILE_588=CER_MOA_CERES_{ProductionStrategy}_000000.1998010712
MOA_INPUT_FILE_587=CER_MOA_CERES_{ProductionStrategy}_000000.1998010713
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MOA_INPUT_FILE_584=CER_MOA_CERES_{ProductionStrategy}_000000.1998010716
MOA_INPUT_FILE_583=CER_MOA_CERES_{ProductionStrategy}_000000.1998010717
MOA_INPUT_FILE_582=CER_MOA_CERES_{ProductionStrategy}_000000.1998010718
MOA_INPUT_FILE_581=CER_MOA_CERES_{ProductionStrategy}_000000.1998010719
MOA_INPUT_FILE_580=CER_MOA_CERES_{ProductionStrategy}_000000.1998010720
MOA_INPUT_FILE_579=CER_MOA_CERES_{ProductionStrategy}_000000.1998010721
MOA_INPUT_FILE_578=CER_MOA_CERES_{ProductionStrategy}_000000.1998010722
MOA_INPUT_FILE_577=CER_MOA_CERES_{ProductionStrategy}_000000.1998010723
MOA_INPUT_FILE_576=CER_MOA_CERES_{ProductionStrategy}_000000.1998010800
MOA_INPUT_FILE_575=CER_MOA_CERES_{ProductionStrategy}_000000.1998010801
MOA_INPUT_FILE_574=CER_MOA_CERES_{ProductionStrategy}_000000.1998010802
MOA_INPUT_FILE_573=CER_MOA_CERES_{ProductionStrategy}_000000.1998010803
MOA_INPUT_FILE_572=CER_MOA_CERES_{ProductionStrategy}_000000.1998010804
MOA_INPUT_FILE_571=CER_MOA_CERES_{ProductionStrategy}_000000.1998010805
MOA_INPUT_FILE_570=CER_MOA_CERES_{ProductionStrategy}_000000.1998010806
MOA_INPUT_FILE_569=CER_MOA_CERES_{ProductionStrategy}_000000.1998010807
MOA_INPUT_FILE_568=CER_MOA_CERES_{ProductionStrategy}_000000.1998010808
MOA_INPUT_FILE_567=CER_MOA_CERES_{ProductionStrategy}_000000.1998010809
MOA_INPUT_FILE_566=CER_MOA_CERES_{ProductionStrategy}_000000.1998010810
MOA_INPUT_FILE_565=CER_MOA_CERES_{ProductionStrategy}_000000.1998010811

MOA_INPUT_FILE_564=CER_MOA_CERES_{ProductionStrategy}_000000.1998010812
MOA_INPUT_FILE_563=CER_MOA_CERES_{ProductionStrategy}_000000.1998010813
MOA_INPUT_FILE_562=CER_MOA_CERES_{ProductionStrategy}_000000.1998010814
MOA_INPUT_FILE_561=CER_MOA_CERES_{ProductionStrategy}_000000.1998010815
MOA_INPUT_FILE_560=CER_MOA_CERES_{ProductionStrategy}_000000.1998010816
MOA_INPUT_FILE_559=CER_MOA_CERES_{ProductionStrategy}_000000.1998010817
MOA_INPUT_FILE_558=CER_MOA_CERES_{ProductionStrategy}_000000.1998010818
MOA_INPUT_FILE_557=CER_MOA_CERES_{ProductionStrategy}_000000.1998010819
MOA_INPUT_FILE_556=CER_MOA_CERES_{ProductionStrategy}_000000.1998010820
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MOA_INPUT_FILE_553=CER_MOA_CERES_{ProductionStrategy}_000000.1998010823
MOA_INPUT_FILE_552=CER_MOA_CERES_{ProductionStrategy}_000000.1998010900
MOA_INPUT_FILE_551=CER_MOA_CERES_{ProductionStrategy}_000000.1998010901
MOA_INPUT_FILE_550=CER_MOA_CERES_{ProductionStrategy}_000000.1998010902
MOA_INPUT_FILE_549=CER_MOA_CERES_{ProductionStrategy}_000000.1998010903
MOA_INPUT_FILE_548=CER_MOA_CERES_{ProductionStrategy}_000000.1998010904
MOA_INPUT_FILE_547=CER_MOA_CERES_{ProductionStrategy}_000000.1998010905
MOA_INPUT_FILE_546=CER_MOA_CERES_{ProductionStrategy}_000000.1998010906
MOA_INPUT_FILE_545=CER_MOA_CERES_{ProductionStrategy}_000000.1998010907
MOA_INPUT_FILE_544=CER_MOA_CERES_{ProductionStrategy}_000000.1998010908
MOA_INPUT_FILE_543=CER_MOA_CERES_{ProductionStrategy}_000000.1998010909
MOA_INPUT_FILE_542=CER_MOA_CERES_{ProductionStrategy}_000000.1998010910
MOA_INPUT_FILE_541=CER_MOA_CERES_{ProductionStrategy}_000000.1998010911
MOA_INPUT_FILE_540=CER_MOA_CERES_{ProductionStrategy}_000000.1998010912
MOA_INPUT_FILE_539=CER_MOA_CERES_{ProductionStrategy}_000000.1998010913
MOA_INPUT_FILE_538=CER_MOA_CERES_{ProductionStrategy}_000000.1998010914
MOA_INPUT_FILE_537=CER_MOA_CERES_{ProductionStrategy}_000000.1998010915
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MOA_INPUT_FILE_535=CER_MOA_CERES_{ProductionStrategy}_000000.1998010917
MOA_INPUT_FILE_534=CER_MOA_CERES_{ProductionStrategy}_000000.1998010918
MOA_INPUT_FILE_533=CER_MOA_CERES_{ProductionStrategy}_000000.1998010919
MOA_INPUT_FILE_532=CER_MOA_CERES_{ProductionStrategy}_000000.1998010920
MOA_INPUT_FILE_531=CER_MOA_CERES_{ProductionStrategy}_000000.1998010921
MOA_INPUT_FILE_530=CER_MOA_CERES_{ProductionStrategy}_000000.1998010922
MOA_INPUT_FILE_529=CER_MOA_CERES_{ProductionStrategy}_000000.1998010923
MOA_INPUT_FILE_528=CER_MOA_CERES_{ProductionStrategy}_000000.1998011000
MOA_INPUT_FILE_527=CER_MOA_CERES_{ProductionStrategy}_000000.1998011001
MOA_INPUT_FILE_526=CER_MOA_CERES_{ProductionStrategy}_000000.1998011002
MOA_INPUT_FILE_525=CER_MOA_CERES_{ProductionStrategy}_000000.1998011003
MOA_INPUT_FILE_524=CER_MOA_CERES_{ProductionStrategy}_000000.1998011004
MOA_INPUT_FILE_523=CER_MOA_CERES_{ProductionStrategy}_000000.1998011005
MOA_INPUT_FILE_522=CER_MOA_CERES_{ProductionStrategy}_000000.1998011006
MOA_INPUT_FILE_521=CER_MOA_CERES_{ProductionStrategy}_000000.1998011007
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MOA_INPUT_FILE_245=CER_MOA_CERES_{ProductionStrategy}_000000.1998012119
MOA_INPUT_FILE_244=CER_MOA_CERES_{ProductionStrategy}_000000.1998012120
MOA_INPUT_FILE_243=CER_MOA_CERES_{ProductionStrategy}_000000.1998012121
MOA_INPUT_FILE_242=CER_MOA_CERES_{ProductionStrategy}_000000.1998012122
MOA_INPUT_FILE_241=CER_MOA_CERES_{ProductionStrategy}_000000.1998012123

MOA_INPUT_FILE_240=CER_MOA_CERES_{ProductionStrategy}_000000.1998012200
MOA_INPUT_FILE_239=CER_MOA_CERES_{ProductionStrategy}_000000.1998012201
MOA_INPUT_FILE_238=CER_MOA_CERES_{ProductionStrategy}_000000.1998012202
MOA_INPUT_FILE_237=CER_MOA_CERES_{ProductionStrategy}_000000.1998012203
MOA_INPUT_FILE_236=CER_MOA_CERES_{ProductionStrategy}_000000.1998012204
MOA_INPUT_FILE_235=CER_MOA_CERES_{ProductionStrategy}_000000.1998012205
MOA_INPUT_FILE_234=CER_MOA_CERES_{ProductionStrategy}_000000.1998012206
MOA_INPUT_FILE_233=CER_MOA_CERES_{ProductionStrategy}_000000.1998012207
MOA_INPUT_FILE_232=CER_MOA_CERES_{ProductionStrategy}_000000.1998012208
MOA_INPUT_FILE_231=CER_MOA_CERES_{ProductionStrategy}_000000.1998012209
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MOA_INPUT_FILE_229=CER_MOA_CERES_{ProductionStrategy}_000000.1998012211
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MOA_INPUT_FILE_223=CER_MOA_CERES_{ProductionStrategy}_000000.1998012217
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MOA_INPUT_FILE_218=CER_MOA_CERES_{ProductionStrategy}_000000.1998012222
MOA_INPUT_FILE_217=CER_MOA_CERES_{ProductionStrategy}_000000.1998012223
MOA_INPUT_FILE_216=CER_MOA_CERES_{ProductionStrategy}_000000.1998012300
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MOA_INPUT_FILE_204=CER_MOA_CERES_{ProductionStrategy}_000000.1998012312
MOA_INPUT_FILE_203=CER_MOA_CERES_{ProductionStrategy}_000000.1998012313
MOA_INPUT_FILE_202=CER_MOA_CERES_{ProductionStrategy}_000000.1998012314
MOA_INPUT_FILE_201=CER_MOA_CERES_{ProductionStrategy}_000000.1998012315
MOA_INPUT_FILE_200=CER_MOA_CERES_{ProductionStrategy}_000000.1998012316
MOA_INPUT_FILE_199=CER_MOA_CERES_{ProductionStrategy}_000000.1998012317
MOA_INPUT_FILE_198=CER_MOA_CERES_{ProductionStrategy}_000000.1998012318
MOA_INPUT_FILE_197=CER_MOA_CERES_{ProductionStrategy}_000000.1998012319
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MOA_INPUT_FILE_193=CER_MOA_CERES_{ProductionStrategy}_000000.1998012323
MOA_INPUT_FILE_192=CER_MOA_CERES_{ProductionStrategy}_000000.1998012400
MOA_INPUT_FILE_191=CER_MOA_CERES_{ProductionStrategy}_000000.1998012401
MOA_INPUT_FILE_190=CER_MOA_CERES_{ProductionStrategy}_000000.1998012402
MOA_INPUT_FILE_189=CER_MOA_CERES_{ProductionStrategy}_000000.1998012403
MOA_INPUT_FILE_188=CER_MOA_CERES_{ProductionStrategy}_000000.1998012404
MOA_INPUT_FILE_187=CER_MOA_CERES_{ProductionStrategy}_000000.1998012405

MOA_INPUT_FILE_186=CER_MOA_CERES_{ProductionStrategy}_000000.1998012406
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MOA_INPUT_FILE_181=CER_MOA_CERES_{ProductionStrategy}_000000.1998012411
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MOA_INPUT_FILE_179=CER_MOA_CERES_{ProductionStrategy}_000000.1998012413
MOA_INPUT_FILE_178=CER_MOA_CERES_{ProductionStrategy}_000000.1998012414
MOA_INPUT_FILE_177=CER_MOA_CERES_{ProductionStrategy}_000000.1998012415
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MOA_INPUT_FILE_175=CER_MOA_CERES_{ProductionStrategy}_000000.1998012417
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MOA_INPUT_FILE_173=CER_MOA_CERES_{ProductionStrategy}_000000.1998012419
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MOA_INPUT_FILE_171=CER_MOA_CERES_{ProductionStrategy}_000000.1998012421
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MOA_INPUT_FILE_169=CER_MOA_CERES_{ProductionStrategy}_000000.1998012423
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MOA_INPUT_FILE_167=CER_MOA_CERES_{ProductionStrategy}_000000.1998012501
MOA_INPUT_FILE_166=CER_MOA_CERES_{ProductionStrategy}_000000.1998012502
MOA_INPUT_FILE_165=CER_MOA_CERES_{ProductionStrategy}_000000.1998012503
MOA_INPUT_FILE_164=CER_MOA_CERES_{ProductionStrategy}_000000.1998012504
MOA_INPUT_FILE_163=CER_MOA_CERES_{ProductionStrategy}_000000.1998012505
MOA_INPUT_FILE_162=CER_MOA_CERES_{ProductionStrategy}_000000.1998012506
MOA_INPUT_FILE_161=CER_MOA_CERES_{ProductionStrategy}_000000.1998012507
MOA_INPUT_FILE_160=CER_MOA_CERES_{ProductionStrategy}_000000.1998012508
MOA_INPUT_FILE_159=CER_MOA_CERES_{ProductionStrategy}_000000.1998012509
MOA_INPUT_FILE_158=CER_MOA_CERES_{ProductionStrategy}_000000.1998012510
MOA_INPUT_FILE_157=CER_MOA_CERES_{ProductionStrategy}_000000.1998012511
MOA_INPUT_FILE_156=CER_MOA_CERES_{ProductionStrategy}_000000.1998012512
MOA_INPUT_FILE_155=CER_MOA_CERES_{ProductionStrategy}_000000.1998012513
MOA_INPUT_FILE_154=CER_MOA_CERES_{ProductionStrategy}_000000.1998012514
MOA_INPUT_FILE_153=CER_MOA_CERES_{ProductionStrategy}_000000.1998012515
MOA_INPUT_FILE_152=CER_MOA_CERES_{ProductionStrategy}_000000.1998012516
MOA_INPUT_FILE_151=CER_MOA_CERES_{ProductionStrategy}_000000.1998012517
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MOA_INPUT_FILE_142=CER_MOA_CERES_{ProductionStrategy}_000000.1998012602
MOA_INPUT_FILE_141=CER_MOA_CERES_{ProductionStrategy}_000000.1998012603
MOA_INPUT_FILE_140=CER_MOA_CERES_{ProductionStrategy}_000000.1998012604
MOA_INPUT_FILE_139=CER_MOA_CERES_{ProductionStrategy}_000000.1998012605
MOA_INPUT_FILE_138=CER_MOA_CERES_{ProductionStrategy}_000000.1998012606
MOA_INPUT_FILE_137=CER_MOA_CERES_{ProductionStrategy}_000000.1998012607
MOA_INPUT_FILE_136=CER_MOA_CERES_{ProductionStrategy}_000000.1998012608
MOA_INPUT_FILE_135=CER_MOA_CERES_{ProductionStrategy}_000000.1998012609
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MOA_INPUT_FILE_133=CER_MOA_CERES_{ProductionStrategy}_000000.1998012611

MOA_INPUT_FILE_132=CER_MOA_CERES_{ProductionStrategy}_000000.1998012612
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MOA_INPUT_FILE_127=CER_MOA_CERES_{ProductionStrategy}_000000.1998012617
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MOA_INPUT_FILE_124=CER_MOA_CERES_{ProductionStrategy}_000000.1998012620
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MOA_INPUT_FILE_121=CER_MOA_CERES_{ProductionStrategy}_000000.1998012623
MOA_INPUT_FILE_120=CER_MOA_CERES_{ProductionStrategy}_000000.1998012700
MOA_INPUT_FILE_119=CER_MOA_CERES_{ProductionStrategy}_000000.1998012701
MOA_INPUT_FILE_118=CER_MOA_CERES_{ProductionStrategy}_000000.1998012702
MOA_INPUT_FILE_117=CER_MOA_CERES_{ProductionStrategy}_000000.1998012703
MOA_INPUT_FILE_116=CER_MOA_CERES_{ProductionStrategy}_000000.1998012704
MOA_INPUT_FILE_115=CER_MOA_CERES_{ProductionStrategy}_000000.1998012705
MOA_INPUT_FILE_114=CER_MOA_CERES_{ProductionStrategy}_000000.1998012706
MOA_INPUT_FILE_113=CER_MOA_CERES_{ProductionStrategy}_000000.1998012707
MOA_INPUT_FILE_112=CER_MOA_CERES_{ProductionStrategy}_000000.1998012708
MOA_INPUT_FILE_111=CER_MOA_CERES_{ProductionStrategy}_000000.1998012709
MOA_INPUT_FILE_110=CER_MOA_CERES_{ProductionStrategy}_000000.1998012710
MOA_INPUT_FILE_109=CER_MOA_CERES_{ProductionStrategy}_000000.1998012711
MOA_INPUT_FILE_108=CER_MOA_CERES_{ProductionStrategy}_000000.1998012712
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MOA_INPUT_FILE_105=CER_MOA_CERES_{ProductionStrategy}_000000.1998012715
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MOA_INPUT_FILE_101=CER_MOA_CERES_{ProductionStrategy}_000000.1998012719
MOA_INPUT_FILE_100=CER_MOA_CERES_{ProductionStrategy}_000000.1998012720
MOA_INPUT_FILE_099=CER_MOA_CERES_{ProductionStrategy}_000000.1998012721
MOA_INPUT_FILE_098=CER_MOA_CERES_{ProductionStrategy}_000000.1998012722
MOA_INPUT_FILE_097=CER_MOA_CERES_{ProductionStrategy}_000000.1998012723
MOA_INPUT_FILE_096=CER_MOA_CERES_{ProductionStrategy}_000000.1998012800
MOA_INPUT_FILE_095=CER_MOA_CERES_{ProductionStrategy}_000000.1998012801
MOA_INPUT_FILE_094=CER_MOA_CERES_{ProductionStrategy}_000000.1998012802
MOA_INPUT_FILE_093=CER_MOA_CERES_{ProductionStrategy}_000000.1998012803
MOA_INPUT_FILE_092=CER_MOA_CERES_{ProductionStrategy}_000000.1998012804
MOA_INPUT_FILE_091=CER_MOA_CERES_{ProductionStrategy}_000000.1998012805
MOA_INPUT_FILE_090=CER_MOA_CERES_{ProductionStrategy}_000000.1998012806
MOA_INPUT_FILE_089=CER_MOA_CERES_{ProductionStrategy}_000000.1998012807
MOA_INPUT_FILE_088=CER_MOA_CERES_{ProductionStrategy}_000000.1998012808
MOA_INPUT_FILE_087=CER_MOA_CERES_{ProductionStrategy}_000000.1998012809
MOA_INPUT_FILE_086=CER_MOA_CERES_{ProductionStrategy}_000000.1998012810
MOA_INPUT_FILE_085=CER_MOA_CERES_{ProductionStrategy}_000000.1998012811
MOA_INPUT_FILE_084=CER_MOA_CERES_{ProductionStrategy}_000000.1998012812
MOA_INPUT_FILE_083=CER_MOA_CERES_{ProductionStrategy}_000000.1998012813
MOA_INPUT_FILE_082=CER_MOA_CERES_{ProductionStrategy}_000000.1998012814
MOA_INPUT_FILE_081=CER_MOA_CERES_{ProductionStrategy}_000000.1998012815
MOA_INPUT_FILE_080=CER_MOA_CERES_{ProductionStrategy}_000000.1998012816
MOA_INPUT_FILE_079=CER_MOA_CERES_{ProductionStrategy}_000000.1998012817

MOA_INPUT_FILE_078=CER_MOA_CERES_{ProductionStrategy}_000000.1998012818
MOA_INPUT_FILE_077=CER_MOA_CERES_{ProductionStrategy}_000000.1998012819
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MOA_INPUT_FILE_073=CER_MOA_CERES_{ProductionStrategy}_000000.1998012823
MOA_INPUT_FILE_072=CER_MOA_CERES_{ProductionStrategy}_000000.1998012900
MOA_INPUT_FILE_071=CER_MOA_CERES_{ProductionStrategy}_000000.1998012901
MOA_INPUT_FILE_070=CER_MOA_CERES_{ProductionStrategy}_000000.1998012902
MOA_INPUT_FILE_069=CER_MOA_CERES_{ProductionStrategy}_000000.1998012903
MOA_INPUT_FILE_068=CER_MOA_CERES_{ProductionStrategy}_000000.1998012904
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MOA_INPUT_FILE_065=CER_MOA_CERES_{ProductionStrategy}_000000.1998012907
MOA_INPUT_FILE_064=CER_MOA_CERES_{ProductionStrategy}_000000.1998012908
MOA_INPUT_FILE_063=CER_MOA_CERES_{ProductionStrategy}_000000.1998012909
MOA_INPUT_FILE_062=CER_MOA_CERES_{ProductionStrategy}_000000.1998012910
MOA_INPUT_FILE_061=CER_MOA_CERES_{ProductionStrategy}_000000.1998012911
MOA_INPUT_FILE_060=CER_MOA_CERES_{ProductionStrategy}_000000.1998012912
MOA_INPUT_FILE_059=CER_MOA_CERES_{ProductionStrategy}_000000.1998012913
MOA_INPUT_FILE_058=CER_MOA_CERES_{ProductionStrategy}_000000.1998012914
MOA_INPUT_FILE_057=CER_MOA_CERES_{ProductionStrategy}_000000.1998012915
MOA_INPUT_FILE_056=CER_MOA_CERES_{ProductionStrategy}_000000.1998012916
MOA_INPUT_FILE_055=CER_MOA_CERES_{ProductionStrategy}_000000.1998012917
MOA_INPUT_FILE_054=CER_MOA_CERES_{ProductionStrategy}_000000.1998012918
MOA_INPUT_FILE_053=CER_MOA_CERES_{ProductionStrategy}_000000.1998012919
MOA_INPUT_FILE_052=CER_MOA_CERES_{ProductionStrategy}_000000.1998012920
MOA_INPUT_FILE_051=CER_MOA_CERES_{ProductionStrategy}_000000.1998012921
MOA_INPUT_FILE_050=CER_MOA_CERES_{ProductionStrategy}_000000.1998012922
MOA_INPUT_FILE_049=CER_MOA_CERES_{ProductionStrategy}_000000.1998012923
MOA_INPUT_FILE_048=CER_MOA_CERES_{ProductionStrategy}_000000.1998013000
MOA_INPUT_FILE_047=CER_MOA_CERES_{ProductionStrategy}_000000.1998013001
MOA_INPUT_FILE_046=CER_MOA_CERES_{ProductionStrategy}_000000.1998013002
MOA_INPUT_FILE_045=CER_MOA_CERES_{ProductionStrategy}_000000.1998013003
MOA_INPUT_FILE_044=CER_MOA_CERES_{ProductionStrategy}_000000.1998013004
MOA_INPUT_FILE_043=CER_MOA_CERES_{ProductionStrategy}_000000.1998013005
MOA_INPUT_FILE_042=CER_MOA_CERES_{ProductionStrategy}_000000.1998013006
MOA_INPUT_FILE_041=CER_MOA_CERES_{ProductionStrategy}_000000.1998013007
MOA_INPUT_FILE_040=CER_MOA_CERES_{ProductionStrategy}_000000.1998013008
MOA_INPUT_FILE_039=CER_MOA_CERES_{ProductionStrategy}_000000.1998013009
MOA_INPUT_FILE_038=CER_MOA_CERES_{ProductionStrategy}_000000.1998013010
MOA_INPUT_FILE_037=CER_MOA_CERES_{ProductionStrategy}_000000.1998013011
MOA_INPUT_FILE_036=CER_MOA_CERES_{ProductionStrategy}_000000.1998013012
MOA_INPUT_FILE_035=CER_MOA_CERES_{ProductionStrategy}_000000.1998013013
MOA_INPUT_FILE_034=CER_MOA_CERES_{ProductionStrategy}_000000.1998013014
MOA_INPUT_FILE_033=CER_MOA_CERES_{ProductionStrategy}_000000.1998013015
MOA_INPUT_FILE_032=CER_MOA_CERES_{ProductionStrategy}_000000.1998013016
MOA_INPUT_FILE_031=CER_MOA_CERES_{ProductionStrategy}_000000.1998013017
MOA_INPUT_FILE_030=CER_MOA_CERES_{ProductionStrategy}_000000.1998013018
MOA_INPUT_FILE_029=CER_MOA_CERES_{ProductionStrategy}_000000.1998013019
MOA_INPUT_FILE_028=CER_MOA_CERES_{ProductionStrategy}_000000.1998013020
MOA_INPUT_FILE_027=CER_MOA_CERES_{ProductionStrategy}_000000.1998013021
MOA_INPUT_FILE_026=CER_MOA_CERES_{ProductionStrategy}_000000.1998013022
MOA_INPUT_FILE_025=CER_MOA_CERES_{ProductionStrategy}_000000.1998013023

```
MOA_INPUT_FILE_024=CER_MOA_CERES_{ProductionStrategy}_000000.1998013100
MOA_INPUT_FILE_023=CER_MOA_CERES_{ProductionStrategy}_000000.1998013101
MOA_INPUT_FILE_022=CER_MOA_CERES_{ProductionStrategy}_000000.1998013102
MOA_INPUT_FILE_021=CER_MOA_CERES_{ProductionStrategy}_000000.1998013103
MOA_INPUT_FILE_020=CER_MOA_CERES_{ProductionStrategy}_000000.1998013104
MOA_INPUT_FILE_019=CER_MOA_CERES_{ProductionStrategy}_000000.1998013105
MOA_INPUT_FILE_018=CER_MOA_CERES_{ProductionStrategy}_000000.1998013106
MOA_INPUT_FILE_017=CER_MOA_CERES_{ProductionStrategy}_000000.1998013107
MOA_INPUT_FILE_016=CER_MOA_CERES_{ProductionStrategy}_000000.1998013108
MOA_INPUT_FILE_015=CER_MOA_CERES_{ProductionStrategy}_000000.1998013109
MOA_INPUT_FILE_014=CER_MOA_CERES_{ProductionStrategy}_000000.1998013110
MOA_INPUT_FILE_013=CER_MOA_CERES_{ProductionStrategy}_000000.1998013111
MOA_INPUT_FILE_012=CER_MOA_CERES_{ProductionStrategy}_000000.1998013112
MOA_INPUT_FILE_011=CER_MOA_CERES_{ProductionStrategy}_000000.1998013113
MOA_INPUT_FILE_010=CER_MOA_CERES_{ProductionStrategy}_000000.1998013114
MOA_INPUT_FILE_009=CER_MOA_CERES_{ProductionStrategy}_000000.1998013115
MOA_INPUT_FILE_008=CER_MOA_CERES_{ProductionStrategy}_000000.1998013116
MOA_INPUT_FILE_007=CER_MOA_CERES_{ProductionStrategy}_000000.1998013117
MOA_INPUT_FILE_006=CER_MOA_CERES_{ProductionStrategy}_000000.1998013118
MOA_INPUT_FILE_005=CER_MOA_CERES_{ProductionStrategy}_000000.1998013119
MOA_INPUT_FILE_004=CER_MOA_CERES_{ProductionStrategy}_000000.1998013120
MOA_INPUT_FILE_003=CER_MOA_CERES_{ProductionStrategy}_000000.1998013121
MOA_INPUT_FILE_002=CER_MOA_CERES_{ProductionStrategy}_000000.1998013122
MOA_INPUT_FILE_001=CER_MOA_CERES_{ProductionStrategy}_000000.1998013123

#####################
# Output file names #
#####################
PMOA_OUTPUT_FILE_1=CER_PMOA_CERES_{ProductionStrategy}_000000.199801F4
PMOA_OUTPUT_FILE_2=CER_PMOA_CERES_{ProductionStrategy}_000000.199801F3
PMOA_OUTPUT_FILE_3=CER_PMOA_CERES_{ProductionStrategy}_000000.199801F2
PMOA_OUTPUT_FILE_4=CER_PMOA_CERES_{ProductionStrategy}_000000.199801F1

#################
# Log file names #
#################
LogReport=CER9.1P1_LogReport_CERES_{ProductionStrategy}_000000.199801
LogStatus=CER9.1P1_LogStatus_CERES_{ProductionStrategy}_000000.199801
LogUser=CER9.1P1_LogUser_CERES_{ProductionStrategy}_000000.199801
```

C.6 Sample Input File Listing for CER9.2P1

```
##########################
# CERES Baseline Metadata #
##########################
PGEName=CER9.2P1
SamplingStrategy=Terra-FM2-MODIS
ProductionStrategy=TestSuite
CERDataDateYear=2001
CERDataDateMonth=04
CERDataDateDay=04
CERHrOfMonth=73
ConfigurationCode=000000
SWsccr=00000
DATAsccr=00000

##################################
# PGE specific runtime parameters #
##################################
CERHrOfDay=00
SATELLITE=Terra
INSTRUMENT=FM2
LinesPerSwath=100
NumFootprints=10000

###########################
# PGE required directories #
###########################
CERESHOME=//CERES
SSF_InputDir=//CERES/tisa_grid/tisa_grid/data/input/SSF
PMOA_InputDir=/CERES/tisa_grid/tisa_grid/data/out_comp/data/PMOA
SFCH_OutputDir=/CERES/tisa_grid/tisa_grid/data/int_prod/SFC_hour
LOG_Dir=/CERES/tisa_grid/tisa_grid/runlogs
PGS_DIR=/usr/local/TOOLKIT

####################
# Input file names #
####################
SSF_INPUT_FILE_1=CER_SSFB_Terra-FM2-MODIS_Beta5_024027.2001040400

####################
# Input file names AEORSOL#
####################
SSFA_INPUT_FILE_1=CER_SSFA_Terra-FM2-MODIS_Beta5_024027.2001040400

PMOA_INPUT_FILE_1=CER_PMOA_CERES_ECMWF-GEOS3_016018.200104F4
PMOA_INPUT_FILE_2=CER_PMOA_CERES_ECMWF-GEOS3_016018.200104F3
PMOA_INPUT_FILE_3=CER_PMOA_CERES_ECMWF-GEOS3_016018.200104F2
PMOA_INPUT_FILE_4=CER_PMOA_CERES_ECMWF-GEOS3_016018.200104F1
```

```
#####################
# Output file names #
#####################
SFCH_OUTPUT_FILE=CER_SFC-HR_Terra-FM2-MODIS_TestSuite_000000.2001040400

##########################
# Optional Output file names #
##########################
MRGRP_OUTPUT_FILE=CER_MRGRP_Terra-FM2-MODIS_TestSuite_000000.2001040400

#######################################################################
# Output  file names for overlap hours -  last 12 hours of the month                #
#######################################################################
MOVLP_OUTPUT_FILE=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001040400

##################
# Log file names #
##################
LogReport=CER9.2P1_LogReport_Terra-FM2-MODIS_TestSuite_000000.2001040400
LogStatus=CER9.2P1_LogStatus_Terra-FM2-MODIS_TestSuite_000000.2001040400
LogUser=CER9.2P1_LogUser_Terra-FM2-MODIS_TestSuite_000000.2001040400
```

C.7 Sample Input File Listing for CER9.3P1

```
##########################
# CERES Baseline Metadata #
##########################
PGEName=CER9.3P1
SamplingStrategy=Terra-FM2-MODIS
ProductionStrategy=TestSuite
CERDataDateYear=2001
CERDataDateMonth=04
ConfigurationCode=000000
SWsccr=00000
DATAsccr=00000

##################################
# PGE specific runtime parameters #
##################################
SATELLITE=Terra
INSTRUMENT=FM2

###########################
# PGE required directories #
###########################
CERESHOME=/CERES
PGS_DIR=/usr/local/TOOLKIT
SFCH_InputDir=/CERES/tisa_grid/tisa_grid/data/int_prod/SFC_hour
SFCD_OutputDir=/CERES/tisa_grid/tisa_grid/data/int_prod/SFC_day
SFCB_OutputDir=/CERES/tisa_grid/tisa_grid/data/out_comp/data/SFC
LOG_Dir=/CERES/tisa_grid/tisa_grid/runlogs

###################
# Input file names #
###################
SFCH_INPUT_FILE_672=CER_SFC-HR_Terra-FM2-MODIS_TestSuite_000000.2001040400

#######################
# Overlap Input file names #
#######################
MOVLP_INPUT_FILE_024=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033112
MOVLP_INPUT_FILE_023=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033113
MOVLP_INPUT_FILE_022=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033114
MOVLP_INPUT_FILE_021=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033115
MOVLP_INPUT_FILE_020=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033116
MOVLP_INPUT_FILE_019=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033117
MOVLP_INPUT_FILE_018=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033118
MOVLP_INPUT_FILE_017=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033119
MOVLP_INPUT_FILE_016=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033120
MOVLP_INPUT_FILE_015=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033121
MOVLP_INPUT_FILE_014=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033122
MOVLP_INPUT_FILE_013=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001033123
MOVLP_INPUT_FILE_012=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050112
```

```
MOVLP_INPUT_FILE_011=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050111
MOVLP_INPUT_FILE_010=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050110
MOVLP_INPUT_FILE_010=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050109
MOVLP_INPUT_FILE_009=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050108
MOVLP_INPUT_FILE_008=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050107
MOVLP_INPUT_FILE_007=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050106
MOVLP_INPUT_FILE_006=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050105
MOVLP_INPUT_FILE_005=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050104
MOVLP_INPUT_FILE_004=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050103
MOVLP_INPUT_FILE_003=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050102
MOVLP_INPUT_FILE_002=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050101
MOVLP_INPUT_FILE_001=CER_MOVLP_Terra-FM2-MODIS_TestSuite_000000.2001050100

#####################
# Output file names #
#####################
SFCB_OUTPUT_FILE_001=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z180
SFCB_OUTPUT_FILE_002=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z179
SFCB_OUTPUT_FILE_003=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z178
SFCB_OUTPUT_FILE_004=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z177
SFCB_OUTPUT_FILE_005=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z176
SFCB_OUTPUT_FILE_006=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z175
SFCB_OUTPUT_FILE_007=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z174
SFCB_OUTPUT_FILE_008=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z173
SFCB_OUTPUT_FILE_009=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z172
SFCB_OUTPUT_FILE_010=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z171
SFCB_OUTPUT_FILE_011=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z170
SFCB_OUTPUT_FILE_012=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z169
SFCB_OUTPUT_FILE_013=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z168
SFCB_OUTPUT_FILE_014=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z167
SFCB_OUTPUT_FILE_015=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z166
SFCB_OUTPUT_FILE_016=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z165
SFCB_OUTPUT_FILE_017=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z164
SFCB_OUTPUT_FILE_018=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z163
SFCB_OUTPUT_FILE_019=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z162
SFCB_OUTPUT_FILE_020=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z161
SFCB_OUTPUT_FILE_021=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z160
SFCB_OUTPUT_FILE_022=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z159
SFCB_OUTPUT_FILE_023=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z158
SFCB_OUTPUT_FILE_024=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z157
SFCB_OUTPUT_FILE_025=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z156
SFCB_OUTPUT_FILE_026=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z155
SFCB_OUTPUT_FILE_027=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z154
SFCB_OUTPUT_FILE_028=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z153
SFCB_OUTPUT_FILE_029=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z152
SFCB_OUTPUT_FILE_030=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z151
SFCB_OUTPUT_FILE_031=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z150
SFCB_OUTPUT_FILE_032=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z149
SFCB_OUTPUT_FILE_033=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z148
SFCB_OUTPUT_FILE_034=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z147
SFCB_OUTPUT_FILE_035=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z146
SFCB_OUTPUT_FILE_036=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z145
SFCB_OUTPUT_FILE_037=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z144
SFCB_OUTPUT_FILE_038=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z143
```

SFCB_OUTPUT_FILE_039=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z142
SFCB_OUTPUT_FILE_040=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z141
SFCB_OUTPUT_FILE_041=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z140
SFCB_OUTPUT_FILE_042=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z139
SFCB_OUTPUT_FILE_043=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z138
SFCB_OUTPUT_FILE_044=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z137
SFCB_OUTPUT_FILE_045=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z136
SFCB_OUTPUT_FILE_046=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z135
SFCB_OUTPUT_FILE_047=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z134
SFCB_OUTPUT_FILE_048=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z133
SFCB_OUTPUT_FILE_049=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z132
SFCB_OUTPUT_FILE_050=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z131
SFCB_OUTPUT_FILE_051=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z130
SFCB_OUTPUT_FILE_052=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z129
SFCB_OUTPUT_FILE_053=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z128
SFCB_OUTPUT_FILE_054=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z127
SFCB_OUTPUT_FILE_055=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z126
SFCB_OUTPUT_FILE_056=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z125
SFCB_OUTPUT_FILE_057=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z124
SFCB_OUTPUT_FILE_058=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z123
SFCB_OUTPUT_FILE_059=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z122
SFCB_OUTPUT_FILE_060=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z121
SFCB_OUTPUT_FILE_061=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z120
SFCB_OUTPUT_FILE_062=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z119
SFCB_OUTPUT_FILE_063=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z118
SFCB_OUTPUT_FILE_064=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z117
SFCB_OUTPUT_FILE_065=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z116
SFCB_OUTPUT_FILE_066=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z115
SFCB_OUTPUT_FILE_067=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z114
SFCB_OUTPUT_FILE_068=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z113
SFCB_OUTPUT_FILE_069=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z112
SFCB_OUTPUT_FILE_070=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z111
SFCB_OUTPUT_FILE_071=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z110
SFCB_OUTPUT_FILE_072=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z109
SFCB_OUTPUT_FILE_073=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z108
SFCB_OUTPUT_FILE_074=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z107
SFCB_OUTPUT_FILE_075=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z106
SFCB_OUTPUT_FILE_076=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z105
SFCB_OUTPUT_FILE_077=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z104
SFCB_OUTPUT_FILE_078=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z103
SFCB_OUTPUT_FILE_079=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z102
SFCB_OUTPUT_FILE_080=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z101
SFCB_OUTPUT_FILE_081=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z100
SFCB_OUTPUT_FILE_082=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z099
SFCB_OUTPUT_FILE_083=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z098
SFCB_OUTPUT_FILE_084=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z097
SFCB_OUTPUT_FILE_085=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z096
SFCB_OUTPUT_FILE_086=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z095
SFCB_OUTPUT_FILE_087=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z094
SFCB_OUTPUT_FILE_088=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z093
SFCB_OUTPUT_FILE_089=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z092
SFCB_OUTPUT_FILE_090=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z091
SFCB_OUTPUT_FILE_091=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z090
SFCB_OUTPUT_FILE_092=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z089

SFCB_OUTPUT_FILE_093=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z088
SFCB_OUTPUT_FILE_094=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z087
SFCB_OUTPUT_FILE_095=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z086
SFCB_OUTPUT_FILE_096=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z085
SFCB_OUTPUT_FILE_097=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z084
SFCB_OUTPUT_FILE_098=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z083
SFCB_OUTPUT_FILE_099=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z082
SFCB_OUTPUT_FILE_100=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z081
SFCB_OUTPUT_FILE_101=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z080
SFCB_OUTPUT_FILE_102=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z079
SFCB_OUTPUT_FILE_103=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z078
SFCB_OUTPUT_FILE_104=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z077
SFCB_OUTPUT_FILE_105=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z076
SFCB_OUTPUT_FILE_106=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z075
SFCB_OUTPUT_FILE_107=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z074
SFCB_OUTPUT_FILE_108=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z073
SFCB_OUTPUT_FILE_109=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z072
SFCB_OUTPUT_FILE_110=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z071
SFCB_OUTPUT_FILE_111=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z070
SFCB_OUTPUT_FILE_112=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z069
SFCB_OUTPUT_FILE_113=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z068
SFCB_OUTPUT_FILE_114=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z067
SFCB_OUTPUT_FILE_115=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z066
SFCB_OUTPUT_FILE_116=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z065
SFCB_OUTPUT_FILE_117=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z064
SFCB_OUTPUT_FILE_118=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z063
SFCB_OUTPUT_FILE_119=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z062
SFCB_OUTPUT_FILE_120=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z061
SFCB_OUTPUT_FILE_121=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z060
SFCB_OUTPUT_FILE_122=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z059
SFCB_OUTPUT_FILE_123=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z058
SFCB_OUTPUT_FILE_124=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z057
SFCB_OUTPUT_FILE_125=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z056
SFCB_OUTPUT_FILE_126=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z055
SFCB_OUTPUT_FILE_127=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z054
SFCB_OUTPUT_FILE_128=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z053
SFCB_OUTPUT_FILE_129=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z052
SFCB_OUTPUT_FILE_130=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z051
SFCB_OUTPUT_FILE_131=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z050
SFCB_OUTPUT_FILE_132=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z049
SFCB_OUTPUT_FILE_133=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z048
SFCB_OUTPUT_FILE_134=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z047
SFCB_OUTPUT_FILE_135=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z046
SFCB_OUTPUT_FILE_136=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z045
SFCB_OUTPUT_FILE_137=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z044
SFCB_OUTPUT_FILE_138=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z043
SFCB_OUTPUT_FILE_139=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z042
SFCB_OUTPUT_FILE_140=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z041
SFCB_OUTPUT_FILE_141=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z040
SFCB_OUTPUT_FILE_142=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z039
SFCB_OUTPUT_FILE_143=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z038
SFCB_OUTPUT_FILE_144=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z037
SFCB_OUTPUT_FILE_145=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z036
SFCB_OUTPUT_FILE_146=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z035

SFCB_OUTPUT_FILE_147=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z034
SFCB_OUTPUT_FILE_148=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z033
SFCB_OUTPUT_FILE_149=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z032
SFCB_OUTPUT_FILE_150=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z031
SFCB_OUTPUT_FILE_151=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z030
SFCB_OUTPUT_FILE_152=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z029
SFCB_OUTPUT_FILE_153=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z028
SFCB_OUTPUT_FILE_154=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z027
SFCB_OUTPUT_FILE_155=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z026
SFCB_OUTPUT_FILE_156=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z025
SFCB_OUTPUT_FILE_157=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z024
SFCB_OUTPUT_FILE_158=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z023
SFCB_OUTPUT_FILE_159=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z022
SFCB_OUTPUT_FILE_160=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z021
SFCB_OUTPUT_FILE_161=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z020
SFCB_OUTPUT_FILE_162=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z019
SFCB_OUTPUT_FILE_163=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z018
SFCB_OUTPUT_FILE_164=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z017
SFCB_OUTPUT_FILE_165=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z016
SFCB_OUTPUT_FILE_166=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z015
SFCB_OUTPUT_FILE_167=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z014
SFCB_OUTPUT_FILE_168=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z013
SFCB_OUTPUT_FILE_169=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z012
SFCB_OUTPUT_FILE_170=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z011
SFCB_OUTPUT_FILE_171=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z010
SFCB_OUTPUT_FILE_172=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z009
SFCB_OUTPUT_FILE_173=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z008
SFCB_OUTPUT_FILE_174=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z007
SFCB_OUTPUT_FILE_175=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z006
SFCB_OUTPUT_FILE_176=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z005
SFCB_OUTPUT_FILE_177=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z004
SFCB_OUTPUT_FILE_178=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z003
SFCB_OUTPUT_FILE_179=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z002
SFCB_OUTPUT_FILE_180=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z001
SFCD_OUTPUT_FILE_01=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010431
SFCD_OUTPUT_FILE_02=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010430
SFCD_OUTPUT_FILE_03=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010429
SFCD_OUTPUT_FILE_04=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010428
SFCD_OUTPUT_FILE_05=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010427
SFCD_OUTPUT_FILE_06=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010426
SFCD_OUTPUT_FILE_07=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010425
SFCD_OUTPUT_FILE_08=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010424
SFCD_OUTPUT_FILE_09=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010423
SFCD_OUTPUT_FILE_10=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010422
SFCD_OUTPUT_FILE_11=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010421
SFCD_OUTPUT_FILE_12=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010420
SFCD_OUTPUT_FILE_13=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010419
SFCD_OUTPUT_FILE_14=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010418
SFCD_OUTPUT_FILE_15=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010417
SFCD_OUTPUT_FILE_16=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010416
SFCD_OUTPUT_FILE_17=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010415
SFCD_OUTPUT_FILE_18=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010414
SFCD_OUTPUT_FILE_19=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010413
SFCD_OUTPUT_FILE_20=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010412

```
SFCD_OUTPUT_FILE_21=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010411
SFCD_OUTPUT_FILE_22=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010410
SFCD_OUTPUT_FILE_23=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010409
SFCD_OUTPUT_FILE_24=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010408
SFCD_OUTPUT_FILE_25=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010407
SFCD_OUTPUT_FILE_26=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010406
SFCD_OUTPUT_FILE_27=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010405
SFCD_OUTPUT_FILE_28=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010404
SFCD_OUTPUT_FILE_29=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010403
SFCD_OUTPUT_FILE_30=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010402
SFCD_OUTPUT_FILE_31=CER_SFCD_Terra-FM2-MODIS_TestSuite_000000.20010401
MQCRP_OUTPUT_FILE=CER_MQCRP_Terra-FM2-MODIS_TestSuite_000000.200104

##################
# Log file names #
##################
LogReport=CER9.3P1_LogReport_Terra-FM2-MODIS_TestSuite_000000.200104
LogStatus=CER9.3P1_LogStatus_Terra-FM2-MODIS_TestSuite_000000.200104
LogUser=CER9.3P1_LogUser_Terra-FM2-MODIS_TestSuite_000000.200104
```

C.8 Sample Input File Listing for CER9.4P1

```
##########################
# CERES Baseline Metadata #
##########################
PGEName=CER9.4P1
SamplingStrategy=Terra-FM2-MODIS
ProductionStrategy=TestSuite
CERDataDateYear=2001
CERDataDateMonth=04
ConfigurationCode=111111
SWsccr=00000
DATAsccr=00000

##################################
# PGE specific runtime parameters #
##################################
SATELLITE=Terra
INSTRUMENT=FM2
Num_of_hdffiles = 36
Num_zns_per_hdf = 5

###########################
# PGE required directories #
###########################
CERESHOME=/CERES
PGS_DIR=/usr/local/TOOLKIT
SFCB_InputDir=/CERES/tisa_grid/tisa_grid/data/out_comp/data/SFC
SFC_OutputDir=/CERES/tisa_grid/tisa_grid/data/out_comp/data/SFC_hdf
LOG_Dir=/CERES/tisa_grid/tisa_grid/runlogs

###################
# Input file names #
###################
SFCB_INPUT_FILE_180=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z001
SFCB_INPUT_FILE_179=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z002
SFCB_INPUT_FILE_178=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z003
SFCB_INPUT_FILE_177=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z004
SFCB_INPUT_FILE_176=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z005
SFCB_INPUT_FILE_175=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z006
SFCB_INPUT_FILE_174=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z007
SFCB_INPUT_FILE_173=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z008
SFCB_INPUT_FILE_172=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z009
SFCB_INPUT_FILE_171=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z010
SFCB_INPUT_FILE_170=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z011
SFCB_INPUT_FILE_169=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z012
SFCB_INPUT_FILE_168=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z013
SFCB_INPUT_FILE_167=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z014
SFCB_INPUT_FILE_166=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z015
SFCB_INPUT_FILE_165=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z016
SFCB_INPUT_FILE_164=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z017
```

SFCB_INPUT_FILE_163=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z018
SFCB_INPUT_FILE_162=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z019
SFCB_INPUT_FILE_161=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z020
SFCB_INPUT_FILE_160=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z021
SFCB_INPUT_FILE_159=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z022
SFCB_INPUT_FILE_158=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z023
SFCB_INPUT_FILE_157=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z024
SFCB_INPUT_FILE_156=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z025
SFCB_INPUT_FILE_155=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z026
SFCB_INPUT_FILE_154=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z027
SFCB_INPUT_FILE_153=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z028
SFCB_INPUT_FILE_152=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z029
SFCB_INPUT_FILE_151=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z030
SFCB_INPUT_FILE_150=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z031
SFCB_INPUT_FILE_149=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z032
SFCB_INPUT_FILE_148=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z033
SFCB_INPUT_FILE_147=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z034
SFCB_INPUT_FILE_146=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z035
SFCB_INPUT_FILE_145=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z036
SFCB_INPUT_FILE_144=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z037
SFCB_INPUT_FILE_143=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z038
SFCB_INPUT_FILE_142=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z039
SFCB_INPUT_FILE_141=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z040
SFCB_INPUT_FILE_140=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z041
SFCB_INPUT_FILE_139=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z042
SFCB_INPUT_FILE_138=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z043
SFCB_INPUT_FILE_137=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z044
SFCB_INPUT_FILE_136=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z045
SFCB_INPUT_FILE_135=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z046
SFCB_INPUT_FILE_134=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z047
SFCB_INPUT_FILE_133=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z048
SFCB_INPUT_FILE_132=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z049
SFCB_INPUT_FILE_131=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z050
SFCB_INPUT_FILE_130=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z051
SFCB_INPUT_FILE_129=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z052
SFCB_INPUT_FILE_128=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z053
SFCB_INPUT_FILE_127=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z054
SFCB_INPUT_FILE_126=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z055
SFCB_INPUT_FILE_125=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z056
SFCB_INPUT_FILE_124=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z057
SFCB_INPUT_FILE_123=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z058
SFCB_INPUT_FILE_122=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z059
SFCB_INPUT_FILE_121=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z060
SFCB_INPUT_FILE_120=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z061
SFCB_INPUT_FILE_119=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z062
SFCB_INPUT_FILE_118=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z063
SFCB_INPUT_FILE_117=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z064
SFCB_INPUT_FILE_116=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z065
SFCB_INPUT_FILE_115=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z066
SFCB_INPUT_FILE_114=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z067
SFCB_INPUT_FILE_113=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z068
SFCB_INPUT_FILE_112=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z069
SFCB_INPUT_FILE_111=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z070
SFCB_INPUT_FILE_110=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z071

SFCB_INPUT_FILE_109=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z072
SFCB_INPUT_FILE_108=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z073
SFCB_INPUT_FILE_107=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z074
SFCB_INPUT_FILE_106=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z075
SFCB_INPUT_FILE_105=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z076
SFCB_INPUT_FILE_104=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z077
SFCB_INPUT_FILE_103=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z078
SFCB_INPUT_FILE_102=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z079
SFCB_INPUT_FILE_101=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z080
SFCB_INPUT_FILE_100=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z081
SFCB_INPUT_FILE_099=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z082
SFCB_INPUT_FILE_098=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z083
SFCB_INPUT_FILE_097=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z084
SFCB_INPUT_FILE_096=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z085
SFCB_INPUT_FILE_095=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z086
SFCB_INPUT_FILE_094=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z087
SFCB_INPUT_FILE_093=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z088
SFCB_INPUT_FILE_092=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z089
SFCB_INPUT_FILE_091=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z090
SFCB_INPUT_FILE_090=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z091
SFCB_INPUT_FILE_089=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z092
SFCB_INPUT_FILE_088=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z093
SFCB_INPUT_FILE_087=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z094
SFCB_INPUT_FILE_086=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z095
SFCB_INPUT_FILE_085=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z096
SFCB_INPUT_FILE_084=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z097
SFCB_INPUT_FILE_083=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z098
SFCB_INPUT_FILE_082=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z099
SFCB_INPUT_FILE_081=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z100
SFCB_INPUT_FILE_080=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z101
SFCB_INPUT_FILE_079=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z102
SFCB_INPUT_FILE_078=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z103
SFCB_INPUT_FILE_077=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z104
SFCB_INPUT_FILE_076=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z105
SFCB_INPUT_FILE_075=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z106
SFCB_INPUT_FILE_074=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z107
SFCB_INPUT_FILE_073=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z108
SFCB_INPUT_FILE_072=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z109
SFCB_INPUT_FILE_071=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z110
SFCB_INPUT_FILE_070=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z111
SFCB_INPUT_FILE_069=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z112
SFCB_INPUT_FILE_068=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z113
SFCB_INPUT_FILE_067=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z114
SFCB_INPUT_FILE_066=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z115
SFCB_INPUT_FILE_065=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z116
SFCB_INPUT_FILE_064=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z117
SFCB_INPUT_FILE_063=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z118
SFCB_INPUT_FILE_062=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z119
SFCB_INPUT_FILE_061=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z120
SFCB_INPUT_FILE_060=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z121
SFCB_INPUT_FILE_059=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z122
SFCB_INPUT_FILE_058=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z123
SFCB_INPUT_FILE_057=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z124
SFCB_INPUT_FILE_056=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z125

SFCB_INPUT_FILE_055=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z126
SFCB_INPUT_FILE_054=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z127
SFCB_INPUT_FILE_052=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z129
SFCB_INPUT_FILE_053=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z128
SFCB_INPUT_FILE_051=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z130
SFCB_INPUT_FILE_050=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z131
SFCB_INPUT_FILE_049=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z132
SFCB_INPUT_FILE_048=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z133
SFCB_INPUT_FILE_047=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z134
SFCB_INPUT_FILE_046=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z135
SFCB_INPUT_FILE_045=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z136
SFCB_INPUT_FILE_044=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z137
SFCB_INPUT_FILE_043=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z138
SFCB_INPUT_FILE_042=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z139
SFCB_INPUT_FILE_041=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z140
SFCB_INPUT_FILE_040=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z141
SFCB_INPUT_FILE_039=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z142
SFCB_INPUT_FILE_038=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z143
SFCB_INPUT_FILE_037=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z144
SFCB_INPUT_FILE_036=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z145
SFCB_INPUT_FILE_035=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z146
SFCB_INPUT_FILE_034=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z147
SFCB_INPUT_FILE_033=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z148
SFCB_INPUT_FILE_032=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z149
SFCB_INPUT_FILE_031=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z150
SFCB_INPUT_FILE_030=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z151
SFCB_INPUT_FILE_029=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z152
SFCB_INPUT_FILE_028=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z153
SFCB_INPUT_FILE_027=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z154
SFCB_INPUT_FILE_026=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z155
SFCB_INPUT_FILE_025=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z156
SFCB_INPUT_FILE_024=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z157
SFCB_INPUT_FILE_023=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z158
SFCB_INPUT_FILE_022=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z159
SFCB_INPUT_FILE_021=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z160
SFCB_INPUT_FILE_020=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z161
SFCB_INPUT_FILE_019=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z162
SFCB_INPUT_FILE_018=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z163
SFCB_INPUT_FILE_017=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z164
SFCB_INPUT_FILE_016=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z165
SFCB_INPUT_FILE_015=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z166
SFCB_INPUT_FILE_014=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z167
SFCB_INPUT_FILE_013=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z168
SFCB_INPUT_FILE_012=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z169
SFCB_INPUT_FILE_011=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z170
SFCB_INPUT_FILE_010=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z171
SFCB_INPUT_FILE_009=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z172
SFCB_INPUT_FILE_008=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z173
SFCB_INPUT_FILE_007=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z174
SFCB_INPUT_FILE_006=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z175
SFCB_INPUT_FILE_005=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z176
SFCB_INPUT_FILE_004=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z177

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SFCB_INPUT_FILE_003=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z178
SFCB_INPUT_FILE_002=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z179
SFCB_INPUT_FILE_001=CER_SFCB_Terra-FM2-MODIS_TestSuite_000000.200104Z180

#####################
# Output file names #
#####################
SFC_OUTPUT_FILE_01=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z36
SFC_OUTPUT_FILE_02=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z35
SFC_OUTPUT_FILE_03=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z34
SFC_OUTPUT_FILE_04=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z33
SFC_OUTPUT_FILE_05=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z32
SFC_OUTPUT_FILE_06=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z31
SFC_OUTPUT_FILE_07=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z30
SFC_OUTPUT_FILE_08=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z29
SFC_OUTPUT_FILE_09=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z28
SFC_OUTPUT_FILE_10=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z27
SFC_OUTPUT_FILE_11=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z26
SFC_OUTPUT_FILE_12=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z25
SFC_OUTPUT_FILE_13=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z24
SFC_OUTPUT_FILE_14=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z23
SFC_OUTPUT_FILE_15=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z22
SFC_OUTPUT_FILE_16=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z21
SFC_OUTPUT_FILE_17=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z20
SFC_OUTPUT_FILE_18=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z19
SFC_OUTPUT_FILE_19=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z18
SFC_OUTPUT_FILE_20=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z17
SFC_OUTPUT_FILE_21=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z16
SFC_OUTPUT_FILE_22=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z15
SFC_OUTPUT_FILE_23=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z14
SFC_OUTPUT_FILE_24=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z13
SFC_OUTPUT_FILE_25=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z12
SFC_OUTPUT_FILE_26=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z11
SFC_OUTPUT_FILE_27=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z10
SFC_OUTPUT_FILE_28=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z09
SFC_OUTPUT_FILE_29=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z08
SFC_OUTPUT_FILE_30=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z07
SFC_OUTPUT_FILE_31=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z06
SFC_OUTPUT_FILE_32=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z05
SFC_OUTPUT_FILE_33=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z04
SFC_OUTPUT_FILE_34=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z03
SFC_OUTPUT_FILE_35=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z02
SFC_OUTPUT_FILE_36=CER_SFC_Terra-FM2-MODIS_TestSuite_111111.200104Z01

##################
# Log file names #
##################
LogReport=CER9.4P1_LogReport_Terra-FM2-MODIS_TestSuite_111111.200104
LogStatus=CER9.4P1_LogStatus_Terra-FM2-MODIS_TestSuite_111111.200104
LogUser=CER9.4P1_LogUser_Terra-FM2-MODIS_TestSuite_111111.200104
```