

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-MAR-2011
Start Time of First Product	00:23:39
Stop Time of Last Product	22:33:39
Number of EGOI Products analysed	--
Number of corrupted products	3
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110325CMEP5096.E2	25-MAR-2011	03:41:45.934
EGOI_110325CMEP5105.E2	25-MAR-2011	05:23:04.568
EGOI_110325CMEP5111.E2	25-MAR-2011	16:04:52.043
EGOI_110325CMEP5120.E2	25-MAR-2011	17:45:24.166
EGOI_110325GSEP8444.E2	25-MAR-2011	00:33:55.263
EGOI_110325GSEP8465.E2	25-MAR-2011	02:09:01.858
EGOI_110325GSEP8492.E2	25-MAR-2011	03:48:36.973
EGOI_110325GSEP8502.E2	25-MAR-2011	05:31:16.619
EGOI_110325HLEP9717.E2	25-MAR-2011	11:52:29.481

EGOI_110325KSEP0477.E2	25-MAR-2011	07:29:21.852
EGOI_110325KSEP0506.E2	25-MAR-2011	09:09:11.971
EGOI_110325KSEP0529.E2	25-MAR-2011	10:48:47.086
EGOI_110325KSEP0554.E2	25-MAR-2011	12:27:56.701
EGOI_110325KSEP0567.E2	25-MAR-2011	14:06:49.815
EGOI_110325KSEP0582.E2	25-MAR-2011	15:44:53.422
EGOI_110325KSEP0592.E2	25-MAR-2011	17:22:33.025
EGOI_110325KSEP0622.E2	25-MAR-2011	19:00:02.132
EGOI_110325KSEP0631.E2	25-MAR-2011	20:39:23.740
EGOI_110325KSEP0648.E2	25-MAR-2011	22:21:09.374
EGOI_110325MAEP4207.E2	25-MAR-2011	10:56:20.133
EGOI_110325MAEP4221.E2	25-MAR-2011	20:33:13.204
EGOI_110325MIEP6812.E2	25-MAR-2011	02:07:03.347
EGOI_110325MIEP6833.E2	25-MAR-2011	03:43:30.942
EGOI_110325MIEP6853.E2	25-MAR-2011	14:26:43.940
EGOI_110325MIEP6880.E2	25-MAR-2011	16:02:38.528
EGOI_110325MIEP6903.E2	25-MAR-2011	17:44:25.659
EGOI_110325MMEP9065.E2	25-MAR-2011	03:10:50.242
EGOI_110325MMEP9077.E2	25-MAR-2011	11:37:02.391
EGOI_110325MMEP9087.E2	25-MAR-2011	16:35:32.731
EGOI_110325MSEP1588.E2	25-MAR-2011	00:23:38.700
EGOI_110325MSEP1615.E2	25-MAR-2011	11:01:59.168
EGOI_110325MSEP1643.E2	25-MAR-2011	12:41:20.783
EGOI_110325MSEP1674.E2	25-MAR-2011	22:10:52.807

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
---------	-------	------	------------	-----------	--------------

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	83265	25-MAR-2011	00:29:05.336	00:43:42.427	877.09100
MM	83265	25-MAR-2011	00:40:56.742	00:51:47.543	650.80100
BE	83266	25-MAR-2011	01:48:43.494	01:59:44.552	661.05800
MM	83266	25-MAR-2011	02:23:24.652	02:32:08.158	523.50600
SG	83266	25-MAR-2011	02:02:34.382	02:09:37.886	423.50400
BE	83267	25-MAR-2011	03:27:20.078	03:40:30.266	790.18800
SG	83267	25-MAR-2011	03:38:16.341	03:52:04.934	828.59300
MM	83268	25-MAR-2011	05:49:00.243	05:54:54.244	354.00100
MI	83268	25-MAR-2011	04:37:18.100	04:47:49.571	631.47100

MM	83269	25-MAR-2011	07:30:12.044	07:37:55.638	463.59400
JO	83269	25-MAR-2011	07:09:01.084	07:21:47.887	766.80300
MM	83270	25-MAR-2011	09:10:41.504	09:20:44.295	602.79100
MA	83270	25-MAR-2011	08:31:07.014	08:43:08.250	721.23600
JO	83270	25-MAR-2011	08:47:08.769	09:01:41.639	872.87000
MM	83271	25-MAR-2011	10:50:52.433	11:02:36.078	703.64500
MA	83272	25-MAR-2011	11:51:59.582	11:57:05.333	305.75100
HO	83273	25-MAR-2011	14:19:29.912	14:32:10.031	760.11900
MM	83273	25-MAR-2011	14:10:32.932	14:23:16.646	763.71400
SG	83273	25-MAR-2011	14:34:46.961	14:46:48.150	721.18900
BE	83274	25-MAR-2011	14:44:14.024	14:57:07.962	773.93800
MM	83274	25-MAR-2011	15:49:59.829	16:02:35.681	755.85200
GS	83274	25-MAR-2011	15:10:48.524	15:24:02.934	794.41000
SG	83274	25-MAR-2011	16:13:41.974	16:26:05.334	743.36000
GS	83275	25-MAR-2011	16:50:14.057	17:03:20.170	786.11300
MM	83276	25-MAR-2011	19:08:20.872	19:20:59.390	758.51800
JO	83276	25-MAR-2011	19:29:04.273	19:40:41.284	697.01100
MM	83277	25-MAR-2011	20:47:46.692	21:00:30.51	

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
---------	-------	------

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK

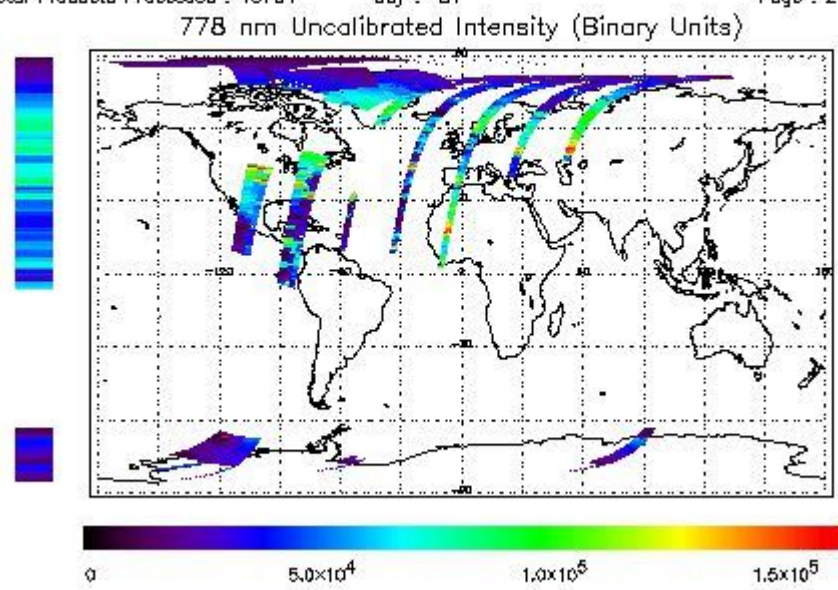
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

First Product : 25-MAR-2011 00:23:38.700 : ORBIT : 83265.4776
 Last Product : 25-MAR-2011 22:33:39.444 : ORBIT : 83278.6986
 Total Products Processed : 15754 Day : 84 Page : 21



Ozone Line Ratio

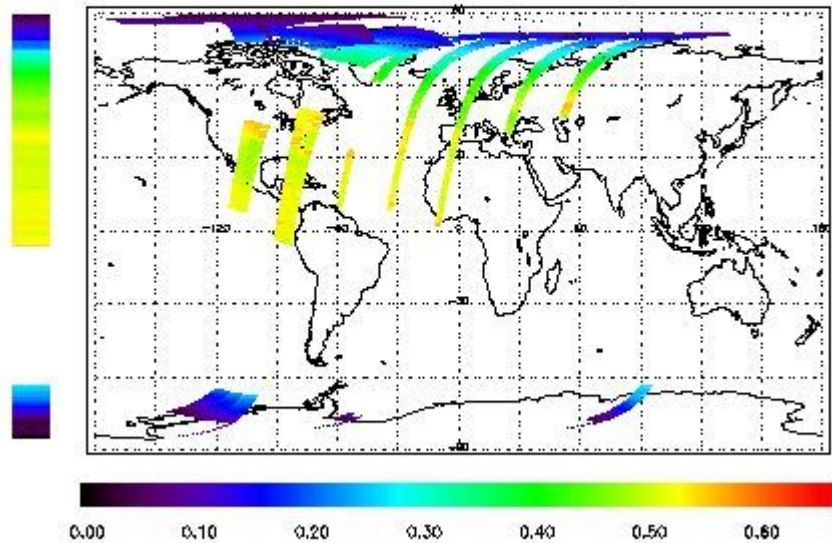
First Product : 25-MAR-2011 00:23:38.700 : ORBIT : 83265.4776

Last Product : 25-MAR-2011 22:33:39.444 : ORBIT : 83278.8988

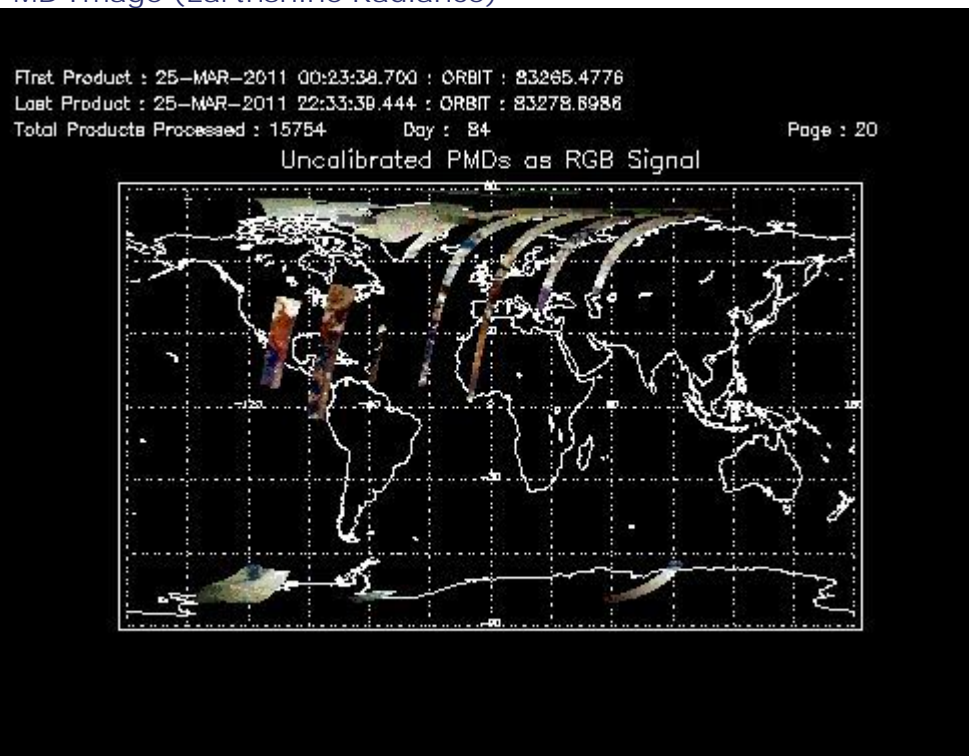
Total Products Processed : 15754 Day : 84

Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	15:48:12.945	--	83274	Yes	--	15388

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
--	--	--	--	--	--	--	--

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
16:00	14:00	83261	83273

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[[BACK TO MENU](#)]

(1) The Solar/lamp calibration is carried out routinely or after an instrument switch-off or a power cycle (performed to reset the instrument when abnormal values are observed); in the latter cases the coolers are off and the temperature refers to the warm detectors