

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	09-APR-2011
Start Time of First Product	00:23:37
Stop Time of Last Product	22:33:44
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110409CMEP5586.E2	09-APR-2011	03:41:54.823
EGOI_110409CMEP5594.E2	09-APR-2011	05:22:55.440
EGOI_110409CMEP5602.E2	09-APR-2011	16:04:45.869
EGOI_110409CMEP5611.E2	09-APR-2011	17:45:19.486
EGOI_110409GSEP9414.E2	09-APR-2011	00:34:01.173
EGOI_110409GSEP9434.E2	09-APR-2011	02:09:10.761
EGOI_110409GSEP9459.E2	09-APR-2011	03:48:39.862
EGOI_110409GSEP9468.E2	09-APR-2011	05:31:13.491
EGOI_110409KSEP3678.E2	09-APR-2011	07:29:23.214

EGOI_110409KSEP3708.E2	09-APR-2011	09:09:14.825
EGOI_110409KSEP3732.E2	09-APR-2011	10:48:49.935
EGOI_110409KSEP3756.E2	09-APR-2011	12:27:59.539
EGOI_110409KSEP3773.E2	09-APR-2011	14:06:52.645
EGOI_110409KSEP3795.E2	09-APR-2011	15:44:42.744
EGOI_110409KSEP3809.E2	09-APR-2011	17:22:25.343
EGOI_110409KSEP3839.E2	09-APR-2011	19:00:07.943
EGOI_110409KSEP3859.E2	09-APR-2011	20:39:28.045
EGOI_110409KSEP3879.E2	09-APR-2011	22:21:28.671
EGOI_110409MAEP5059.E2	09-APR-2011	10:56:19.972
EGOI_110409MAEP5075.E2	09-APR-2011	22:13:18.118
EGOI_110409MIEP8392.E2	09-APR-2011	02:06:33.241
EGOI_110409MIEP8413.E2	09-APR-2011	03:43:30.831
EGOI_110409MIEP8432.E2	09-APR-2011	14:26:16.762
EGOI_110409MIEP8459.E2	09-APR-2011	16:02:29.354
EGOI_110409MIEP8483.E2	09-APR-2011	17:43:58.478
EGOI_110409MSEP3356.E2	09-APR-2011	00:23:37.106
EGOI_110409MSEP3381.E2	09-APR-2011	11:02:02.015
EGOI_110409MSEP3408.E2	09-APR-2011	12:41:23.622
EGOI_110409MSEP3432.E2	09-APR-2011	22:10:57.105
EGOI_110409SGEP2635.E2	09-APR-2011	17:03:01.226

[[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	83480	09-APR-2011	00:58:16.114	01:11:47.918	811.80400
MM	83480	09-APR-2011	01:10:07.275	01:20:25.894	618.61900
KS	83480	09-APR-2011	00:22:22.252	00:24:51.690	149.43800
BE	83481	09-APR-2011	02:16:33.580	02:29:09.381	755.80100
MM	83481	09-APR-2011	02:52:50.242	03:00:52.468	482.22600
SG	83481	09-APR-2011	02:28:42.792	02:40:03.089	680.29700
BE	83482	09-APR-2011	03:55:58.948	04:08:18.214	739.26600
MM	83482	09-APR-2011	04:35:54.347	04:41:56.346	361.99900
SG	83482	09-APR-2011	04:07:03.381	04:19:55.309	771.92800
MM	83483	09-APR-2011	06:18:02.002	06:24:16.922	374.92000
MI	83483	09-APR-2011	05:08:10.372	05:14:07.621	357.24900
MM	83484	09-APR-2011	07:58:57.478	08:07:22.306	504.82800

JO	83484	09-APR-2011	07:36:25.381	07:50:43.347	857.96600
MM	83485	09-APR-2011	09:39:20.385	09:49:57.119	636.73400
MA	83485	09-APR-2011	08:59:58.639	09:12:24.963	746.32400
JO	83485	09-APR-2011	09:16:19.946	09:29:29.170	789.22400
MM	83486	09-APR-2011	11:19:27.356	11:31:30.250	722.89400
MM	83487	09-APR-2011	12:59:20.866	13:12:00.549	759.68300
HO	83488	09-APR-2011	14:48:25.323	14:58:21.873	596.55000
MM	83488	09-APR-2011	14:38:59.461	14:51:41.693	762.23200
GS	83488	09-APR-2011	14:01:36.449	14:09:31.194	474.74500
SG	83488	09-APR-2011	15:02:19.960	15:15:51.288	811.32800
BE	83489	09-APR-2011	15:13:27.416	15:25:05.072	697.65600
MM	83489	09-APR-2011	16:18:21.718	16:30:55.291	753.57300
GS	83489	09-APR-2011	15:39:02.487	15:52:52.734	830.24700
SG	83489	09-APR-2011	16:43:27.278	16:52:55.596	568.31800
MM	83490	09-APR-2011	17:57:31.425	18:10:04.134	752.70900
GS	83490	09-APR-2011	17:18:55.847	17:30:53.405	717.55800
MM	83491	09-APR-2011	19:36:42.588	19:49:23.709	761.12100
JO	83491	09-APR-2011	19:56:31.195	20:10:19.134	827.93900
MM	83492	09-APR-2011	21:16:17.712	21:28:59.572	761.86000
MA	83492	09-APR-2011	20:14:47.164	20:28:33.9	

[[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

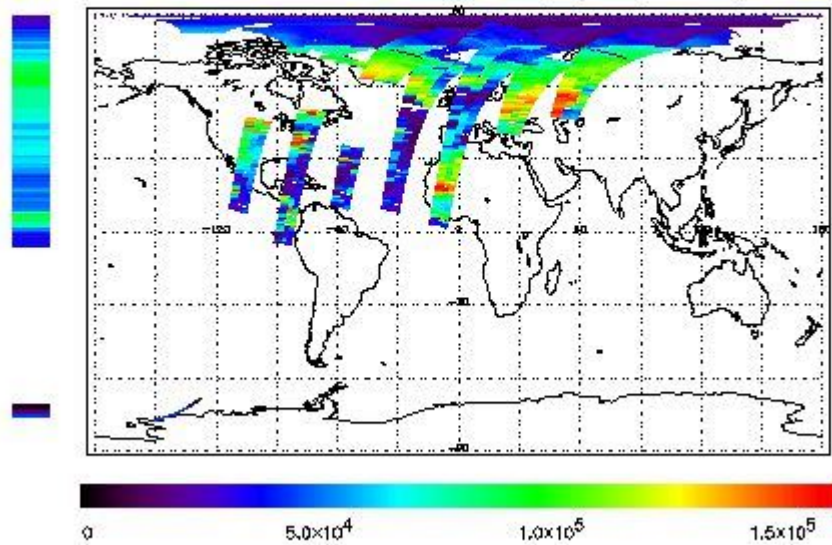
2.2 - Daily Plots

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 : 09-APR-2011 00:23:37.106 : ORBIT : 83480.1917
 Last Product : 09-APR-2011 22:33:43.749 : ORBIT : 83493.4136
 Total Products Processed : 14037 Day : 99 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

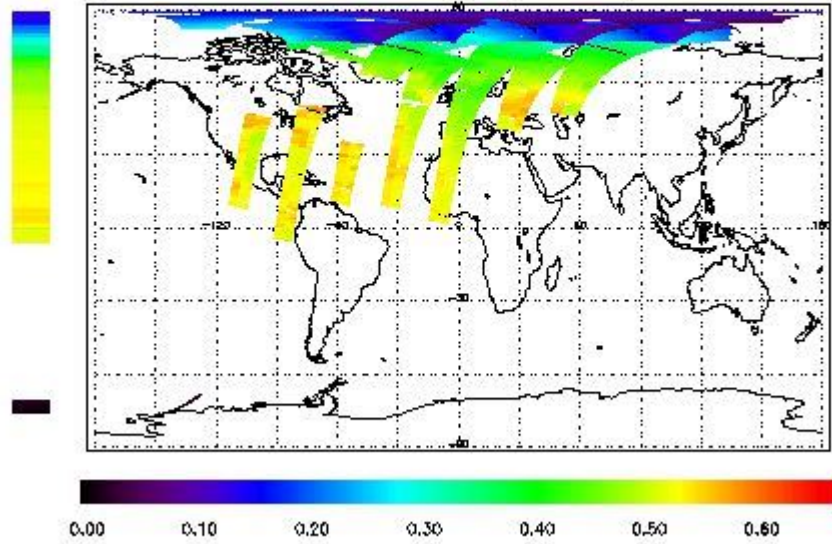


Ozone Line Ratio

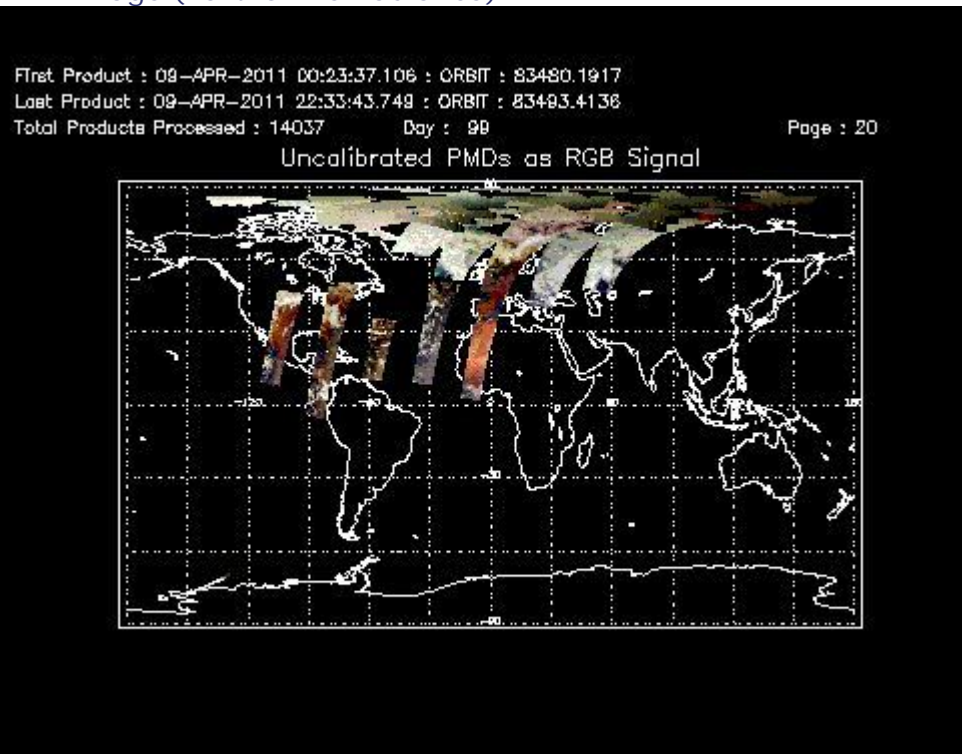
First Product : 09-APR-2011 00:23:37.106 : ORBIT : 83480.1917
 Last Product : 09-APR-2011 22:33:43.749 : ORBIT : 83493.4136
 Total Products Processed : 14037 Day : 99

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	17:27:07.374	--	83490	Yes	--	15159

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)
--	--	--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

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
--	--	--	--

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