

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	16-OCT-2009
Start Time of First Product	23:52:46 (15-Oct)
Stop Time of Last Product	23:19:47
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091016BEEP0914.E2	16-OCT-2009	03:30:00.922
EGOI_091016GSEP0800.E2	16-OCT-2009	01:25:42.158
EGOI_091016GSEP0826.E2	16-OCT-2009	03:03:15.757
EGOI_091016GSEP0852.E2	16-OCT-2009	04:45:44.884
EGOI_091016GSEP0858.E2	16-OCT-2009	06:27:39.509
EGOI_091016KSEP0251.E2	15-OCT-2009	23:52:46.090
EGOI_091016KSEP0264.E2	16-OCT-2009	06:44:53.110
EGOI_091016KSEP0281.E2	16-OCT-2009	08:24:50.725
EGOI_091016KSEP0299.E2	16-OCT-2009	10:04:30.331

EGOI_091016KSEP0324.E2	16-OCT-2009	11:44:05.442
EGOI_091016KSEP0345.E2	16-OCT-2009	13:23:04.549
EGOI_091016KSEP0357.E2	16-OCT-2009	15:01:47.152
EGOI_091016KSEP0375.E2	16-OCT-2009	16:39:22.256
EGOI_091016KSEP0406.E2	16-OCT-2009	18:17:22.847
EGOI_091016KSEP0441.E2	16-OCT-2009	19:55:51.959
EGOI_091016KSEP0466.E2	16-OCT-2009	21:36:43.578
EGOI_091016MAEP4889.E2	16-OCT-2009	08:32:37.272
EGOI_091016MAEP4903.E2	16-OCT-2009	10:11:57.382
EGOI_091016MAEP4920.E2	16-OCT-2009	21:28:45.027
EGOI_091016MIEP1585.E2	16-OCT-2009	02:59:14.234
EGOI_091016MIEP1609.E2	16-OCT-2009	04:39:38.845
EGOI_091016MSEP0753.E2	16-OCT-2009	10:19:22.921
EGOI_091016MSEP0769.E2	16-OCT-2009	11:56:59.524
EGOI_091016MSEP0787.E2	16-OCT-2009	21:30:01.535
EGOI_091016MSEP0819.E2	16-OCT-2009	23:05:56.126
EGOI_091016SGEP0453.E2	16-OCT-2009	02:04:21.393
EGOI_091016SGEP0459.E2	16-OCT-2009	03:40:53.488
EGOI_091016SGEP0467.E2	16-OCT-2009	14:38:20.011
EGOI_091016SGEP0475.E2	16-OCT-2009	16:16:31.115

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75750	15-OCT-2009	23:51:09.328	23:52:46.090	96.762000
KS	75754	16-OCT-2009	06:42:58.310	06:44:53.110	114.800000
KS	75755	16-OCT-2009	08:22:18.029	08:24:50.725	152.696000
KS	75756	16-OCT-2009	10:01:55.618	10:04:30.330	154.712000
KS	75757	16-OCT-2009	11:41:26.128	11:44:05.441	159.313000
KS	75758	16-OCT-2009	13:20:31.733	13:23:04.548	152.815000
KS	75759	16-OCT-2009	14:59:05.991	15:01:47.152	161.161000
KS	75760	16-OCT-2009	16:36:42.909	16:39:22.255	159.346000
KS	75761	16-OCT-2009	18:14:35.173	18:17:22.846	167.673000
KS	75762	16-OCT-2009	19:53:37.307	19:55:51.958	134.651000
KS	75763	16-OCT-2009	21:34:27.932	21:36:43.578	135.646000
GS	75751	16-OCT-2009	01:23:40.851	01:25:42.157	121.306000
GS	75752	16-OCT-2009	03:01:15.499	03:03:15.756	120.257000
GS	75753	16-OCT-2009	04:43:51.987	04:45:44.883	112.896000
MS	75756	16-OCT-2009	10:16:43.661	10:19:22.921	159.260000
MS	75757	16-OCT-2009	11:54:16.989	11:56:59.523	162.534000

MS	75757	16-OCT-2009	12:01:46.050	12:07:35.501	349.45100
MS	75764	16-OCT-2009	23:03:33.966	23:05:56.125	142.15900
MA	75755	16-OCT-2009	08:31:07.012	08:32:37.271	90.259000
MA	75756	16-OCT-2009	10:09:59.664	10:11:57.381	117.71700
MA	75763	16-OCT-2009	21:26:04.638	21:28:45.026	160.38800
MI	75752	16-OCT-2009	02:56:44.515	02:59:14.233	149.71800
MI	75753	16-OCT-2009	04:37:18.099	04:39:38.845	140.74600
BE	75752	16-OCT-2009	03:27:20.076	03:30:00.922	160.84600
SG	75751	16-OCT-2009	02:02:34.380	02:04:21.393	107.01300
SG	75752	16-OCT-2009	03:38:16.339	03:40:53.488	157.14900
SG	75758	16-OCT-2009	14:34:46.959	14:38:20.011	213.05200
SG	75759	16-OCT-2009	16:13:41.972	16:16:31.114	169.14200

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75750	16-OCT-2009	00:29:05.333	00:43:42.424	877.09100
MM	75750	16-OCT-2009	00:40:56.739	00:51:47.540	650.80100
BE	75751	16-OCT-2009	01:48:43.492	01:59:44.550	661.05800
MM	75751	16-OCT-2009	02:23:24.650	02:32:08.156	523.50600
MM	75752	16-OCT-2009	04:06:29.626	04:12:57.580	387.95400
CM	75752	16-OCT-2009	02:57:28.450	03:06:19.253	530.80300
CM	75752	16-OCT-2009	04:34:57.282	04:46:47.250	709.96800
MM	75753	16-OCT-2009	05:49:00.241	05:54:54.242	354.00100
MM	75754	16-OCT-2009	07:30:12.042	07:37:55.636	463.59400
JO	75754	16-OCT-2009	07:09:01.082	07:21:47.885	766.80300
MM	75755	16-OCT-2009	09:10:41.502	09:20:44.293	602.79100
JO	75755	16-OCT-2009	08:47:08.767	09:01:41.637	872.87000
MM	75756	16-OCT-2009	10:50:52.431	11:02:36.076	703.64500
MM	75757	16-OCT-2009	12:30:49.871	12:43:23.423	753.55200
MA	75757	16-OCT-2009	11:51:59.579	11:57:05.330	305.75100
HO	75758	16-OCT-2009	14:19:29.910	14:32:10.029	760.11900
MM	75758	16-OCT-2009	14:10:32.930	14:23:16.644	763.71400
BE	75759	16-OCT-2009	14:44:14.022	14:57:07.960	773.93800
MM	75759	16-OCT-2009	15:49:59.827	16:02:35.679	755.85200
MI	75759	16-OCT-2009	15:16:58.692	15:29:21.115	742.42300

GS	75759	16-OCT-2009	15:10:48.522	15:24:02.932	794.41000
CM	75759	16-OCT-2009	15:21:00.821	15:29:54.610	533.78900
MM	75760	16-OCT-2009	17:29:12.175	17:41:43.843	751.66800
MI	75760	16-OCT-2009	16:56:30.760	17:08:04.346	693.58600
GS	75760	16-OCT-2009	16:50:14.055	17:03:20.168	786.11300
CM	75760	16-OCT-2009	16:58:53.588	17:10:37.887	704.29900
MM	75761	16-OCT-2009	19:08:20.870	19:20:59.388	758.51800
JO	75761	16-OCT-2009	19:29:04.271	19:40:41.282	697.01100
MM	75762	16-OCT-2009	20:47:46.690	21:00:30.509	763.81900
MA	75762	16-OCT-2009	19:47:03.237	19:59:41.197	757.96000
JO	75762	16-OCT-2009	21:07:00.062	21:21:48.701	888.63900
HO	75763	16-OCT-2009	22:20:43.729	22:32:30.250	706.52100
MM	75763	16-OCT-2009	22:27:52.923	22:40:17.637	744.71400
HO	75764	16-OCT-2009	23:57:58.437	00:12:29.487	871.05000

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
GS	75752	03:03:23.261

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	South Polar View operations
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

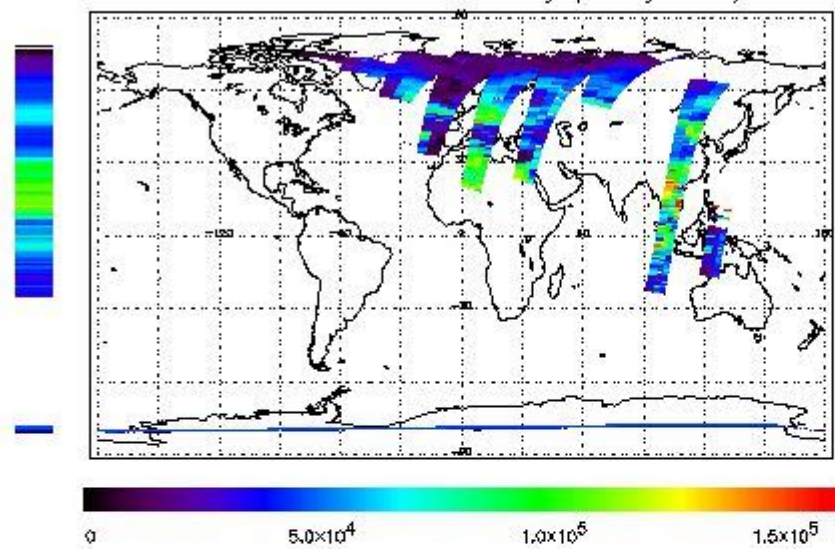
2.2 - Daily Plots

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 : 15-OCT-2009 23:52:46.090 : ORBIT : 75750.1707
 Last Product : 16-OCT-2009 23:19:47.208 : ORBIT : 75764.1571
 Total Products Processed : 13630 Day : 289 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

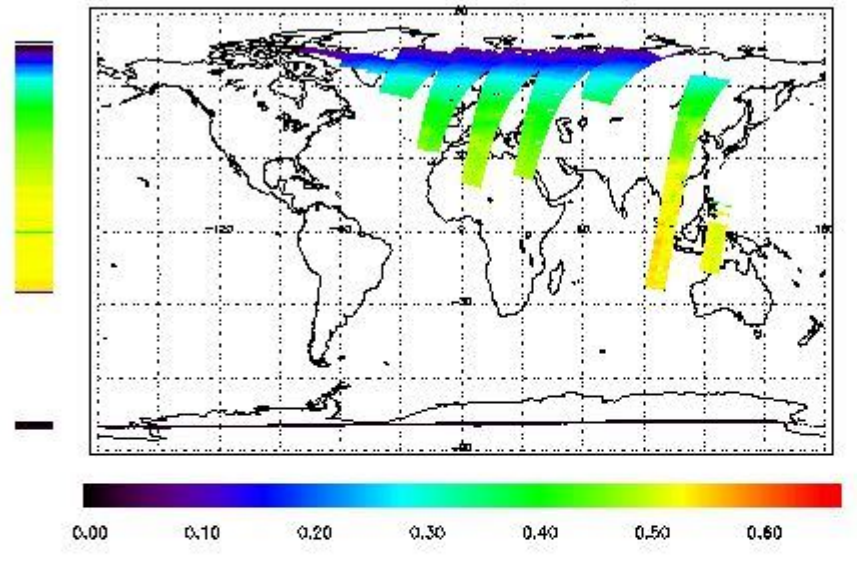


Ozone Line Ratio

First Product : 15-OCT-2009 23:52:46.090 : ORBIT : 75750.1707
Last Product : 16-OCT-2009 23:19:47.208 : ORBIT : 75764.1571
Total Products Processed : 13630 Day : 289

Page : 20

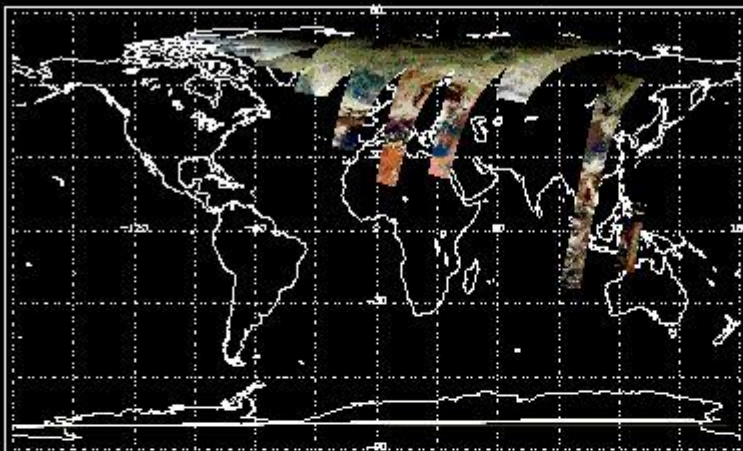
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 15-OCT-2009 23:52:46.090 : ORBIT : 75750.1707
 Last Product : 16-OCT-2009 23:19:47.208 : ORBIT : 75764.1571
 Total Products Processed : 13630 Day : 289 Page : 20

Uncalibrated PMDs as RGB Signal



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	15:07:29.180	--	75759	Yes	--	15325

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

(1)

[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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	75164	--

[[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