

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-JUN-2010
Start Time of First Product	01:03:01
Stop Time of Last Product	23:01:36
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100609BEEP2980.E2	09-JUN-2010	03:11:52.774
EGOI_100609GSEP8088.E2	09-JUN-2010	01:08:25.024
EGOI_100609GSEP8119.E2	09-JUN-2010	02:45:10.618
EGOI_100609GSEP8147.E2	09-JUN-2010	04:26:45.731
EGOI_100609GSEP8153.E2	09-JUN-2010	06:09:04.356
EGOI_100609KSEP2272.E2	09-JUN-2010	06:26:55.462
EGOI_100609KSEP2292.E2	09-JUN-2010	08:06:47.075
EGOI_100609KSEP2314.E2	09-JUN-2010	09:46:26.682
EGOI_100609KSEP2337.E2	09-JUN-2010	11:26:04.793

EGOI_100609KSEP2355.E2	09-JUN-2010	13:05:09.895
EGOI_100609KSEP2364.E2	09-JUN-2010	14:43:56.998
EGOI_100609KSEP2390.E2	09-JUN-2010	16:21:38.092
EGOI_100609KSEP2420.E2	09-JUN-2010	17:59:44.695
EGOI_100609MAEP3068.E2	09-JUN-2010	08:15:15.626
EGOI_100609MAEP3086.E2	09-JUN-2010	09:53:56.728
EGOI_100609MAEP3099.E2	09-JUN-2010	19:32:31.758
EGOI_100609MAEP3114.E2	09-JUN-2010	21:10:35.357
EGOI_100609MMEP9615.E2	09-JUN-2010	22:11:59.728
EGOI_100609MSEP8249.E2	09-JUN-2010	01:03:00.989
EGOI_100609MSEP8267.E2	09-JUN-2010	10:02:10.275
EGOI_100609MSEP8290.E2	09-JUN-2010	11:39:04.869
EGOI_100609MSEP8313.E2	09-JUN-2010	13:20:09.986
EGOI_100609MSEP8325.E2	09-JUN-2010	21:13:51.877
EGOI_100609MSEP8357.E2	09-JUN-2010	22:47:56.953
EGOI_100609SGEP6148.E2	09-JUN-2010	03:23:06.340
EGOI_100609SGEP6156.E2	09-JUN-2010	05:05:12.965
EGOI_100609SGEP6162.E2	09-JUN-2010	14:20:11.853
EGOI_100609SGEP6169.E2	09-JUN-2010	15:57:57.451

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79133	09-JUN-2010	08:05:13.971	08:06:47.075	93.104000
KS	79134	09-JUN-2010	09:44:50.921	09:46:26.682	95.761000
KS	79135	09-JUN-2010	11:24:23.850	11:26:04.793	100.94300
KS	79136	09-JUN-2010	13:03:35.122	13:05:09.894	94.772000
KS	79137	09-JUN-2010	14:42:17.469	14:43:56.997	99.528000
KS	79138	09-JUN-2010	16:19:57.529	16:21:38.091	100.56200
KS	79139	09-JUN-2010	17:57:47.707	17:59:44.695	116.98800
GS	79131	09-JUN-2010	04:25:44.275	04:26:45.730	61.455000
MS	79135	09-JUN-2010	11:37:20.348	11:39:04.868	104.52000
MS	79136	09-JUN-2010	13:18:32.075	13:20:09.985	97.910000
MS	79142	09-JUN-2010	22:46:41.103	22:47:56.953	75.850000
MA	79134	09-JUN-2010	09:52:53.293	09:53:56.727	63.434000
MA	79140	09-JUN-2010	19:30:36.791	19:32:31.757	114.96600
MA	79141	09-JUN-2010	21:08:48.205	21:10:35.357	107.15200
MM	79141	09-JUN-2010	22:10:39.545	22:11:59.728	80.183000
BE	79130	09-JUN-2010	03:10:14.085	03:11:52.773	98.688000
SG	79130	09-JUN-2010	03:21:15.119	03:23:06.340	111.22100

SG	79136	09-JUN-2010	14:18:39.519	14:20:11.853	92.334000
SG	79136	09-JUN-2010	14:25:40.387	14:28:59.881	199.49400
SG	79137	09-JUN-2010	15:56:15.246	15:57:57.450	102.20400
SG	79137	09-JUN-2010	16:01:54.474	16:09:33.319	458.84500

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79128	09-JUN-2010	00:12:03.157	00:26:41.160	878.00300
MM	79128	09-JUN-2010	00:23:28.959	00:34:37.111	668.15200
HO	79129	09-JUN-2010	01:55:11.016	02:04:13.709	542.69300
MM	79129	09-JUN-2010	02:05:46.845	02:14:54.636	547.79100
MM	79130	09-JUN-2010	03:48:49.275	03:55:37.113	407.83800
MI	79130	09-JUN-2010	02:40:11.927	02:52:15.774	723.84700
CM	79130	09-JUN-2010	02:42:01.763	02:48:03.528	361.76500
CM	79130	09-JUN-2010	04:17:40.871	04:29:59.946	739.07500
BE	79131	09-JUN-2010	04:51:07.450	04:59:43.597	516.14700
MM	79131	09-JUN-2010	05:31:31.739	05:37:19.431	347.69200
MI	79131	09-JUN-2010	04:19:29.859	04:31:24.213	714.35400
MM	79132	09-JUN-2010	07:12:55.300	07:20:14.828	439.52800
JO	79132	09-JUN-2010	06:52:53.979	07:04:14.008	680.02900
MM	79133	09-JUN-2010	08:53:29.517	09:03:10.230	580.71300
JO	79133	09-JUN-2010	08:29:54.069	08:44:49.833	895.76400
MM	79134	09-JUN-2010	10:33:42.964	10:45:13.002	690.03800
MM	79135	09-JUN-2010	12:13:42.707	12:26:11.018	748.31100
MA	79135	09-JUN-2010	11:34:12.337	11:41:40.297	447.96000
MM	79136	09-JUN-2010	13:53:28.373	14:06:12.300	763.92700
SG	79136	09-JUN-2010	14:18:39.519	14:28:59.881	620.36200
BE	79137	09-JUN-2010	14:26:56.825	14:40:13.415	796.59000
MM	79137	09-JUN-2010	15:32:58.098	15:45:35.535	757.43700
MI	79137	09-JUN-2010	15:00:26.091	15:11:41.759	675.66800
GS	79137	09-JUN-2010	14:53:57.953	15:06:32.460	754.50700
CM	79137	09-JUN-2010	15:05:28.503	15:11:15.881	347.37800
MM	79138	09-JUN-2010	17:12:12.473	17:24:44.015	751.54200
MI	79138	09-JUN-2010	16:39:07.657	16:51:38.331	750.67400
GS	79138	09-JUN-2010	16:33:04.719	16:46:37.647	812.92800

CM	79138	09-JUN-2010	16:41:39.739	16:53:55.975	736.23600
MM	79139	09-JUN-2010	18:51:20.550	19:03:57.440	756.89000
GS	79139	09-JUN-2010	18:14:00.811	18:22:00.162	479.35100
JO	79139	09-JUN-2010	19:13:02.363	19:22:23.664	561.30100
MM	79140	09-JUN-2010	20:30:41.715	20:43:25.699	763.98400
KS	79140	09-JUN-2010	19:36:31.974	19:50:31.612	839.63800
JO	79140	09-JUN-2010	20:49:54.632	21:04:55.706	901.07400
HO	79141	09-JUN-2010	22:04:35.958	22:15:08.172	632.21400
KS	79141	09-JUN-2010	21:17:01.358	21:30:09.230	787.87200
JO	79141	09-JUN-2010	22:31:28.617	22:40:26.555	537.93800
HO	79142	09-JUN-2010	23:41:02.492	23:55:25.473	862.98100
MM	79142	09-JUN-2010	23:51:33.079	00:03:09.035	695.95600
KS	79142	09-JUN-2010	22:59:53.725	23:09:35.517	581.79200

[[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 Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK

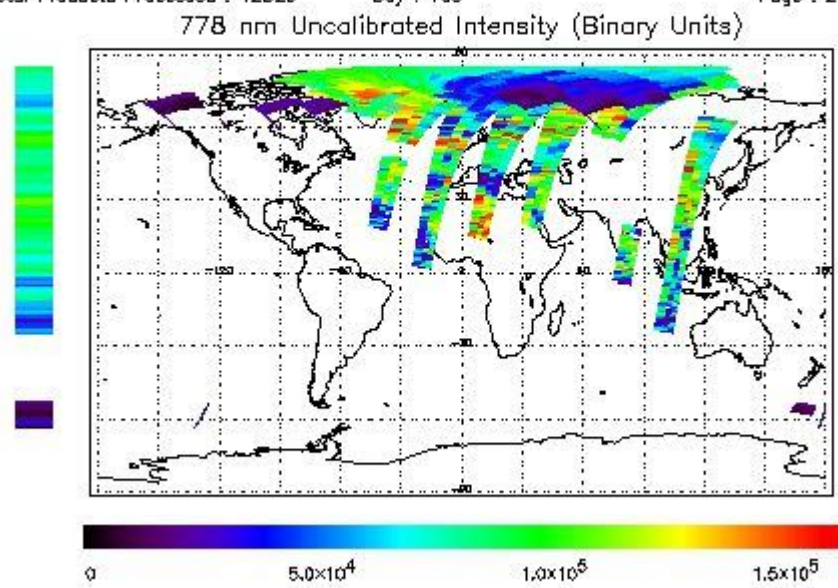
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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

Final Product : 09-JUN-2010 01:03:00.989 : ORBIT : 79129.0404
 Last Product : 09-JUN-2010 23:01:36.031 : ORBIT : 79142.1478
 Total Products Processed : 12320 Day : 160 Page : 21

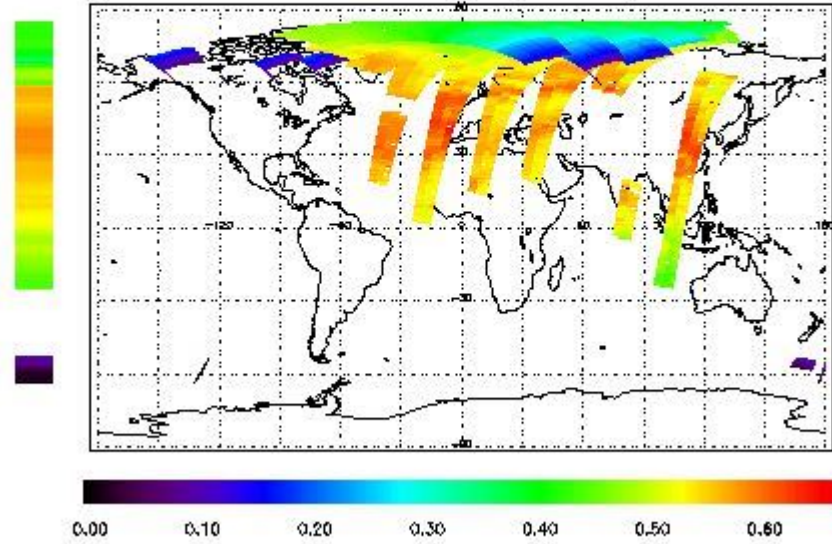


Ozone Line Ratio

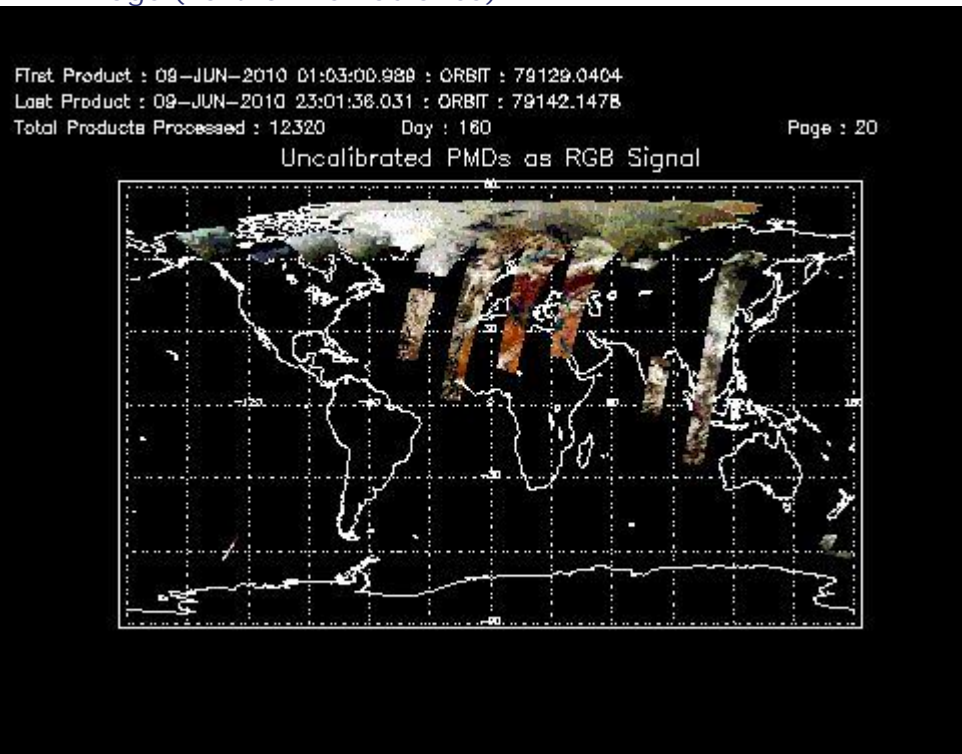
First Product : 09-JUN-2010 01:03:00.988 : ORBIT : 79129.0404
 Last Product : 09-JUN-2010 23:01:36.031 : ORBIT : 79142.1478
 Total Products Processed : 12320 Day : 160

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	18:00:200	--	79139	Yes	--	14740

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