

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	03-JUN-2010
Start Time of First Product	00:12:25
Stop Time of Last Product	23:00:35
Number of EGOI Products analysed	34
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100603BEEP2922.E2	03-JUN-2010	04:41:11.475
EGOI_100603GSEP7685.E2	03-JUN-2010	02:34:15.206
EGOI_100603GSEP7710.E2	03-JUN-2010	04:15:11.315
EGOI_100603GSEP7717.E2	03-JUN-2010	05:57:05.940
EGOI_100603KSEP0770.E2	03-JUN-2010	06:15:33.046
EGOI_100603KSEP0797.E2	03-JUN-2010	07:55:24.663
EGOI_100603KSEP0821.E2	03-JUN-2010	09:35:02.774
EGOI_100603KSEP0852.E2	03-JUN-2010	11:14:37.876
EGOI_100603KSEP0880.E2	03-JUN-2010	12:53:51.983

EGOI_100603KSEP0890.E2	03-JUN-2010	14:32:42.086
EGOI_100603KSEP0902.E2	03-JUN-2010	16:10:23.184
EGOI_100603KSEP0929.E2	03-JUN-2010	17:48:23.787
EGOI_100603KSEP0961.E2	03-JUN-2010	19:26:22.878
EGOI_100603KSEP0982.E2	03-JUN-2010	21:06:30.992
EGOI_100603KSEP1008.E2	03-JUN-2010	22:49:06.118
EGOI_100603MAEP2863.E2	03-JUN-2010	09:42:40.317
EGOI_100603MAEP2880.E2	03-JUN-2010	20:58:56.445
EGOI_100603MIEP4425.E2	03-JUN-2010	02:30:42.182
EGOI_100603MIEP4446.E2	03-JUN-2010	04:09:57.784
EGOI_100603MIEP4465.E2	03-JUN-2010	14:51:00.195
EGOI_100603MIEP4488.E2	03-JUN-2010	16:29:05.301
EGOI_100603MMEP9331.E2	03-JUN-2010	00:12:24.835
EGOI_100603MMEP9336.E2	03-JUN-2010	01:54:26.956
EGOI_100603MMEP9346.E2	03-JUN-2010	08:42:26.449
EGOI_100603MMEP9354.E2	03-JUN-2010	10:22:54.059
EGOI_100603MMEP9363.E2	03-JUN-2010	15:22:12.383
EGOI_100603MSEP7589.E2	03-JUN-2010	00:51:02.573
EGOI_100603MSEP7609.E2	03-JUN-2010	11:27:43.954
EGOI_100603MSEP7633.E2	03-JUN-2010	13:08:22.070
EGOI_100603MSEP7665.E2	03-JUN-2010	22:36:49.544
EGOI_100603SGEP5999.E2	03-JUN-2010	03:15:13.952
EGOI_100603SGEP6007.E2	03-JUN-2010	04:52:55.046
EGOI_100603SGEP6012.E2	03-JUN-2010	14:09:16.445
EGOI_100603SGEP6019.E2	03-JUN-2010	15:46:30.539

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79047	03-JUN-2010	07:53:51.571	07:55:24.663	93.092000
KS	79048	03-JUN-2010	09:33:27.710	09:35:02.774	95.064000
KS	79049	03-JUN-2010	11:13:01.977	11:14:37.876	95.899000
KS	79050	03-JUN-2010	12:52:16.696	12:53:51.983	95.287000
KS	79051	03-JUN-2010	14:31:02.846	14:32:42.086	99.240000
KS	79052	03-JUN-2010	16:08:45.499	16:10:23.183	97.684000
KS	79053	03-JUN-2010	17:46:40.725	17:48:23.786	103.06100
KS	79054	03-JUN-2010	19:25:10.102	19:26:22.878	72.776000
KS	79055	03-JUN-2010	21:05:25.943	21:06:30.992	65.049000
KS	79056	03-JUN-2010	22:47:59.132	22:49:06.118	66.986000
GS	79044	03-JUN-2010	02:32:55.907	02:34:15.205	79.298000
GS	79045	03-JUN-2010	04:13:49.294	04:15:11.314	82.020000

MS	79043	03-JUN-2010	00:49:39.387	00:51:02.573	83.186000
MS	79049	03-JUN-2010	11:25:59.019	11:27:43.954	104.93500
MS	79050	03-JUN-2010	13:06:41.919	13:08:22.069	100.15000
MS	79056	03-JUN-2010	22:35:31.866	22:36:49.544	77.678000
MA	79048	03-JUN-2010	09:41:31.402	09:42:40.316	68.914000
MA	79055	03-JUN-2010	20:57:07.789	20:58:56.444	108.65500
MI	79044	03-JUN-2010	02:29:18.077	02:30:42.182	84.105000
MI	79045	03-JUN-2010	04:07:47.545	04:09:57.783	130.23800
MI	79051	03-JUN-2010	14:49:33.392	14:51:00.195	86.803000
MI	79052	03-JUN-2010	16:27:37.157	16:29:05.301	88.144000
MM	79056	03-JUN-2010	23:39:58.018	23:40:58.935	60.917000
BE	79045	03-JUN-2010	04:39:23.982	04:41:11.474	107.49200
SG	79044	03-JUN-2010	03:10:00.413	03:15:13.951	313.53800
SG	79045	03-JUN-2010	04:51:40.430	04:52:55.045	74.615000
SG	79050	03-JUN-2010	14:08:11.228	14:09:16.444	65.216000
SG	79051	03-JUN-2010	15:44:44.652	15:46:30.539	105.88700

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79042	03-JUN-2010	00:00:48.430	00:15:19.937	871.50700
HO	79043	03-JUN-2010	01:42:37.568	01:53:25.087	647.51900
GS	79043	03-JUN-2010	00:56:42.044	01:06:11.254	569.21000
BE	79044	03-JUN-2010	02:58:52.289	03:12:17.277	804.98800
MM	79044	03-JUN-2010	03:37:02.057	03:44:04.447	422.39000
CM	79044	03-JUN-2010	02:32:56.754	02:34:43.223	106.46900
MM	79045	03-JUN-2010	05:19:51.233	05:25:37.609	346.37600
CM	79045	03-JUN-2010	05:46:53.233	05:59:18.476	745.24300
MM	79046	03-JUN-2010	07:01:23.393	07:08:27.521	424.12800
JO	79046	03-JUN-2010	06:42:20.449	06:52:23.395	602.94600
MA	79047	03-JUN-2010	08:03:53.044	08:13:12.132	559.08800
JO	79047	03-JUN-2010	08:18:30.101	08:33:31.505	901.40400
JO	79048	03-JUN-2010	10:01:51.196	10:09:44.164	472.96800
HO	79049	03-JUN-2010	12:11:28.339	12:25:18.453	830.11400
MM	79049	03-JUN-2010	12:02:17.700	12:14:41.808	744.10800
MA	79049	03-JUN-2010	11:22:31.644	11:30:54.686	503.04200

HO	79050	03-JUN-2010	13:50:40.344	14:04:56.819	856.47500
MM	79050	03-JUN-2010	13:42:05.072	13:54:48.781	763.70900
SG	79050	03-JUN-2010	14:08:11.228	14:16:52.184	520.95600
BE	79051	03-JUN-2010	14:15:30.738	14:28:54.373	803.63500
GS	79051	03-JUN-2010	14:42:47.501	14:53:37.857	650.35600
BE	79052	03-JUN-2010	15:58:50.567	16:05:54.784	424.21700
MM	79052	03-JUN-2010	17:00:52.556	17:13:24.228	751.67200
GS	79052	03-JUN-2010	16:21:39.928	16:35:25.070	825.14200
CM	79052	03-JUN-2010	16:30:16.006	16:42:40.699	744.69300
MM	79053	03-JUN-2010	18:40:00.552	18:52:36.399	755.84700
GS	79053	03-JUN-2010	18:02:19.247	18:11:24.872	545.62500
JO	79053	03-JUN-2010	19:02:44.844	19:09:46.160	421.31600
MM	79054	03-JUN-2010	20:19:19.012	20:32:02.760	763.74800
MA	79054	03-JUN-2010	19:21:42.939	19:30:34.786	531.84700
JO	79054	03-JUN-2010	20:38:34.396	20:53:34.795	900.39900
HO	79055	03-JUN-2010	21:54:05.965	22:03:28.730	562.76500
MM	79055	03-JUN-2010	21:59:11.549	22:11:45.527	753.97800
JO	79055	03-JUN-2010	22:19:31.594	22:30:01.275	629.68100
HO	79056	03-JUN-2010	23:29:43.053	23:44:02.552	859.49900
MA	79056	03-JUN-2010	22:42:26.298	22:47:40.662	314.36400

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
MM	79051	15:22:13.882

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

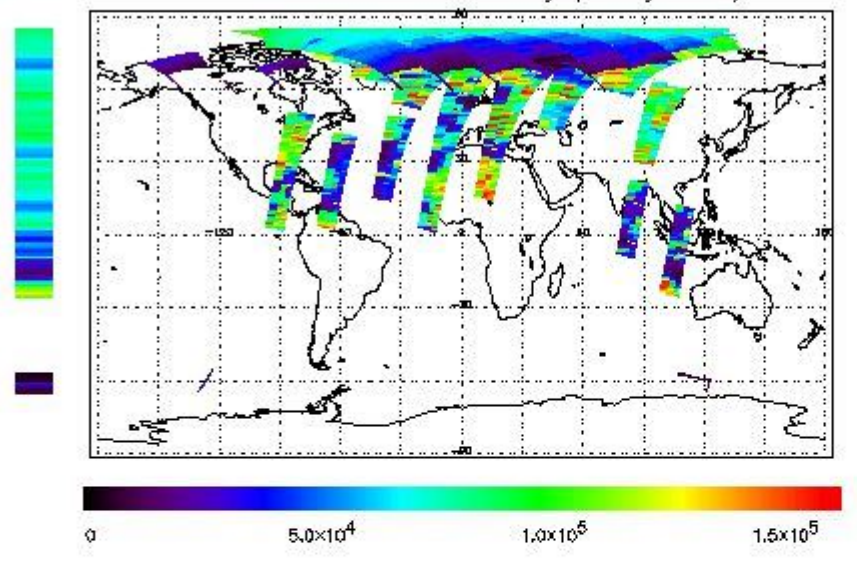
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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](#)

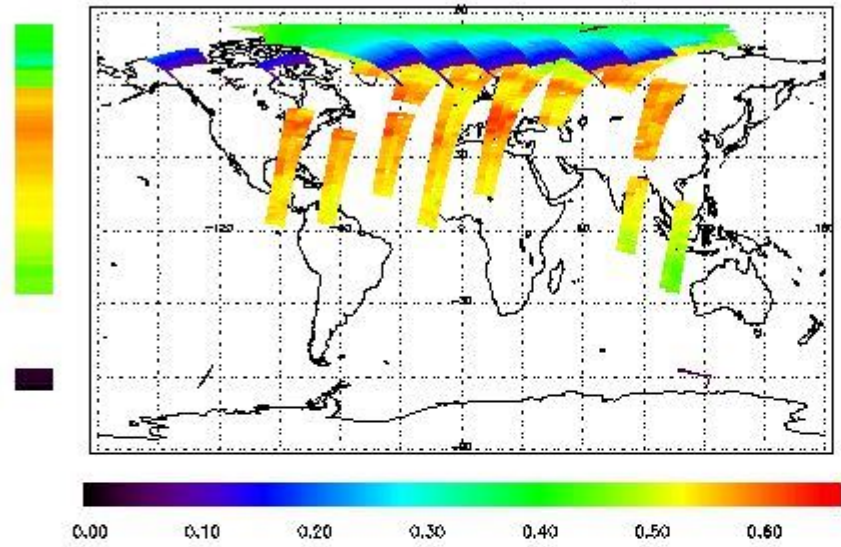
NEAR IR Intensity

778 nm Uncalibrated Intensity (Binary Units)



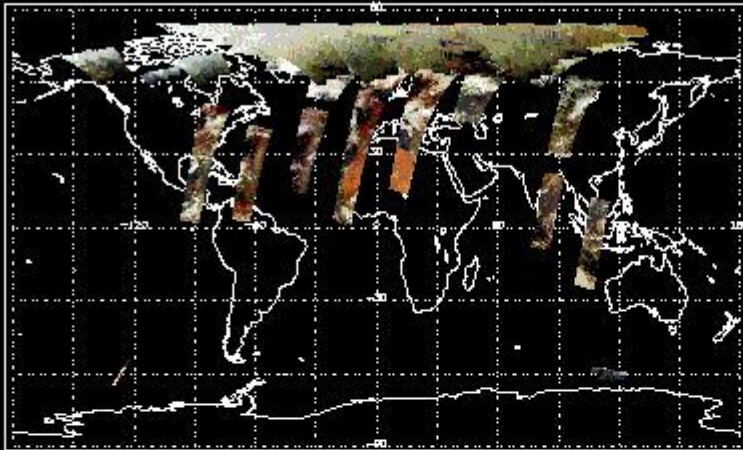
Ozone Line Ratio

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

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	17:49:35.787	--	79053	Yes	--	14510

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
--	--	--	--

[[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