

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-FEB-2010
Start Time of First Product	00:29:37
Stop Time of Last Product	23:33:59
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	<i>Narrow Swath continued from previous day, stop orbit: 77648</i>

1.2 - List of received products

Name	Date	Time
EGOI_100225GSEP0506.E2	25-FEB-2010	02:14:55.424
EGOI_100225GSEP0533.E2	25-FEB-2010	03:54:51.531
EGOI_100225GSEP0541.E2	25-FEB-2010	05:37:29.665
EGOI_100225KSEP7344.E2	25-FEB-2010	07:35:31.888
EGOI_100225KSEP7368.E2	25-FEB-2010	09:15:35.503
EGOI_100225KSEP7402.E2	25-FEB-2010	10:55:12.110
EGOI_100225KSEP7435.E2	25-FEB-2010	12:34:32.219
EGOI_100225KSEP7463.E2	25-FEB-2010	14:13:28.326
EGOI_100225KSEP7491.E2	25-FEB-2010	15:51:19.926

EGOI_100225KSEP7524.E2	25-FEB-2010	17:29:14.533
EGOI_100225KSEP7560.E2	25-FEB-2010	19:07:04.629
EGOI_100225KSEP7594.E2	25-FEB-2010	20:46:47.242
EGOI_100225KSEP7624.E2	25-FEB-2010	22:28:47.873
EGOI_100225MAEP9275.E2	25-FEB-2010	09:22:46.046
EGOI_100225MAEP9294.E2	25-FEB-2010	22:20:50.822
EGOI_100225MIEP4381.E2	25-FEB-2010	02:12:25.408
EGOI_100225MIEP4402.E2	25-FEB-2010	03:50:11.004
EGOI_100225MIEP4421.E2	25-FEB-2010	14:32:49.448
EGOI_100225MIEP4448.E2	25-FEB-2010	16:09:29.036
EGOI_100225MIEP4469.E2	25-FEB-2010	17:52:14.671
EGOI_100225MMEP4482.E2	25-FEB-2010	01:33:58.165
EGOI_100225MMEP4489.E2	25-FEB-2010	03:17:00.300
EGOI_100225MMEP4497.E2	25-FEB-2010	04:59:39.927
EGOI_100225MMEP4504.E2	25-FEB-2010	06:41:39.055
EGOI_100225MMEP4514.E2	25-FEB-2010	10:03:17.793
EGOI_100225MMEP4522.E2	25-FEB-2010	13:23:14.520
EGOI_100225MMEP4530.E2	25-FEB-2010	15:02:52.633
EGOI_100225MMEP4537.E2	25-FEB-2010	16:42:23.240
EGOI_100225MMEP4545.E2	25-FEB-2010	20:01:04.960
EGOI_100225MMEP4553.E2	25-FEB-2010	21:41:29.579
EGOI_100225MMEP4562.E2	25-FEB-2010	23:21:06.190
EGOI_100225MSEP6244.E2	25-FEB-2010	00:29:36.777
EGOI_100225MSEP6277.E2	25-FEB-2010	11:08:33.189
EGOI_100225MSEP6302.E2	25-FEB-2010	12:48:23.309
EGOI_100225MSEP6332.E2	25-FEB-2010	22:17:50.802
EGOI_100225SGEP3908.E2	25-FEB-2010	04:40:39.794
EGOI_100225SGEP3915.E2	25-FEB-2010	13:52:28.178
EGOI_100225SGEP3922.E2	25-FEB-2010	15:26:42.278
EGOI_100225SGEP3929.E2	25-FEB-2010	17:12:00.924
EGOI_100225SGEP3935.E2	25-FEB-2010	17:12:00.924

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77644	25-FEB-2010	07:33:58.189	07:35:31.888	93.699000
KS	77645	25-FEB-2010	09:13:32.029	09:15:35.503	123.47400
KS	77646	25-FEB-2010	10:53:08.112	10:55:12.110	123.99800
KS	77647	25-FEB-2010	12:32:28.232	12:34:32.218	123.98600
KS	77648	25-FEB-2010	14:11:20.851	14:13:28.325	127.47400
KS	77649	25-FEB-2010	15:49:13.279	15:51:19.926	126.64700
KS	77650	25-FEB-2010	17:27:07.316	17:29:14.533	127.21700
KS	77651	25-FEB-2010	19:05:19.881	19:07:04.629	104.74800

KS	77652	25-FEB-2010	20:45:13.180	20:46:47.241	94.061000
KS	77653	25-FEB-2010	22:27:14.979	22:28:47.872	92.893000
GS	77641	25-FEB-2010	02:13:44.244	02:14:55.424	71.180000
GS	77642	25-FEB-2010	03:53:12.549	03:54:51.530	98.981000
MS	77640	25-FEB-2010	00:27:59.639	00:29:36.776	97.137000
MS	77646	25-FEB-2010	11:06:16.453	11:08:33.188	136.73500
MS	77647	25-FEB-2010	12:46:07.457	12:48:23.308	135.85100
MS	77653	25-FEB-2010	22:16:13.188	22:17:50.802	97.614000
MS	77654	25-FEB-2010	23:55:18.550	23:57:04.910	106.36000
MA	77645	25-FEB-2010	09:21:42.943	09:22:46.045	63.102000
MI	77641	25-FEB-2010	02:10:33.305	02:12:25.408	112.10300
MI	77642	25-FEB-2010	03:47:33.379	03:50:11.004	157.62500
MI	77648	25-FEB-2010	14:31:02.332	14:32:49.448	107.11600
MI	77649	25-FEB-2010	16:07:36.934	16:09:29.036	112.10200
MI	77650	25-FEB-2010	17:50:36.999	17:52:14.670	97.671000
MM	77645	25-FEB-2010	10:02:14.598	10:03:17.793	63.195000
MM	77647	25-FEB-2010	13:22:08.793	13:23:14.520	65.727000
MM	77648	25-FEB-2010	15:01:43.700	15:02:52.633	68.933000
MM	77649	25-FEB-2010	16:41:02.417	16:42:23.239	80.822000
MM	77651	25-FEB-2010	19:59:25.344	20:01:04.960	99.616000
MM	77652	25-FEB-2010	21:39:09.257	21:41:29.579	140.32200
MM	77653	25-FEB-2010	23:19:43.723	23:21:06.190	82.467000
SG	77642	25-FEB-2010	04:30:32.870	04:40:39.794	606.92400
SG	77648	25-FEB-2010	15:24:48.381	15:26:42.278	113.89700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	77639	24-FEB-2010	23:51:33.078	00:03:09.034	695.95600
HO	77640	25-FEB-2010	01:21:35.979	01:34:05.740	749.76100
BE	77641	25-FEB-2010	02:39:03.684	02:52:17.253	793.56900
SG	77641	25-FEB-2010	02:50:32.519	03:03:30.994	778.47500
CM	77641	25-FEB-2010	03:46:34.648	03:58:46.719	732.07100
BE	77642	25-FEB-2010	04:19:03.294	04:30:12.828	669.53400
KS	77643	25-FEB-2010	05:55:25.696	05:59:51.164	265.46800
CM	77643	25-FEB-2010	05:28:48.353	05:35:21.596	393.24300

JO	77643	25-FEB-2010	06:24:28.246	06:31:10.046	401.80000
MM	77644	25-FEB-2010	08:21:56.032	08:30:53.622	537.59000
JO	77644	25-FEB-2010	07:58:43.929	08:13:37.788	893.85900
JO	77645	25-FEB-2010	09:40:13.467	09:51:17.564	664.09700
MM	77646	25-FEB-2010	11:42:18.510	11:54:33.821	735.31100
MA	77646	25-FEB-2010	11:01:59.393	11:11:59.804	600.41100
BE	77648	25-FEB-2010	13:55:39.819	14:09:01.522	801.70300
HO	77648	25-FEB-2010	15:11:46.178	15:20:07.174	500.99600
GS	77648	25-FEB-2010	14:23:23.082	14:33:54.857	631.77500
BE	77649	25-FEB-2010	15:37:19.776	15:47:07.321	587.54500
GS	77649	25-FEB-2010	16:01:44.305	16:15:39.975	835.67000
CM	77649	25-FEB-2010	16:10:29.862	16:22:45.379	735.51700
MM	77650	25-FEB-2010	18:20:10.841	18:32:45.035	754.19400
GS	77650	25-FEB-2010	17:42:00.278	17:52:38.448	638.17000
CM	77650	25-FEB-2010	17:52:06.470	17:58:48.458	401.98800
MA	77651	25-FEB-2010	19:03:23.959	19:08:50.709	326.75000
JO	77651	25-FEB-2010	20:18:50.943	20:33:32.234	881.29100
MA	77652	25-FEB-2010	20:37:14.899	20:50:54.837	819.93800
JO	77652	25-FEB-2010	21:58:56.322	22:11:21.165	744.84300
HO	77653	25-FEB-2010	23:10:12.849	23:24:04.417	831.56800

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1.5 - List of corrupted products

Station	Orbit	Time
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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

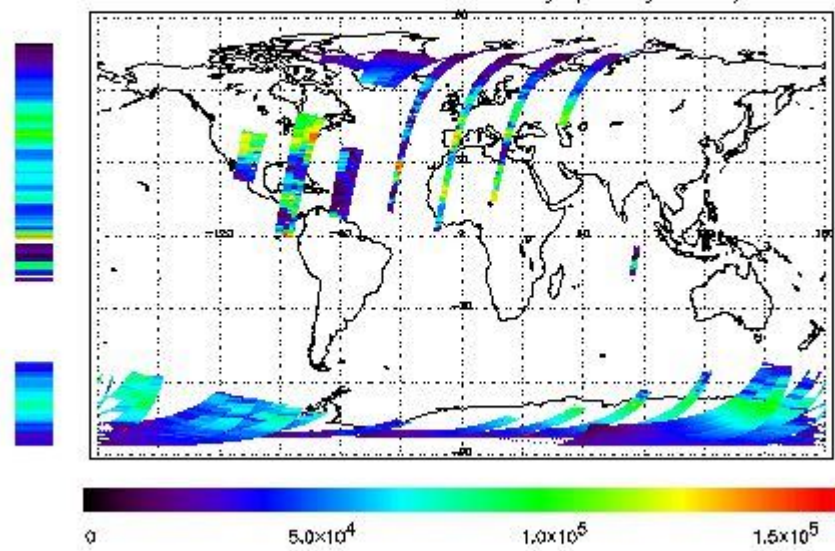
2.2 - Daily Plots

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

First Product : 25-FEB-2010 00:29:36.777 : ORBIT : 77640.0227
 Last Product : 25-FEB-2010 23:33:58.788 : ORBIT : 77653.7839
 Total Products Processed : 18311 Day : 58 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

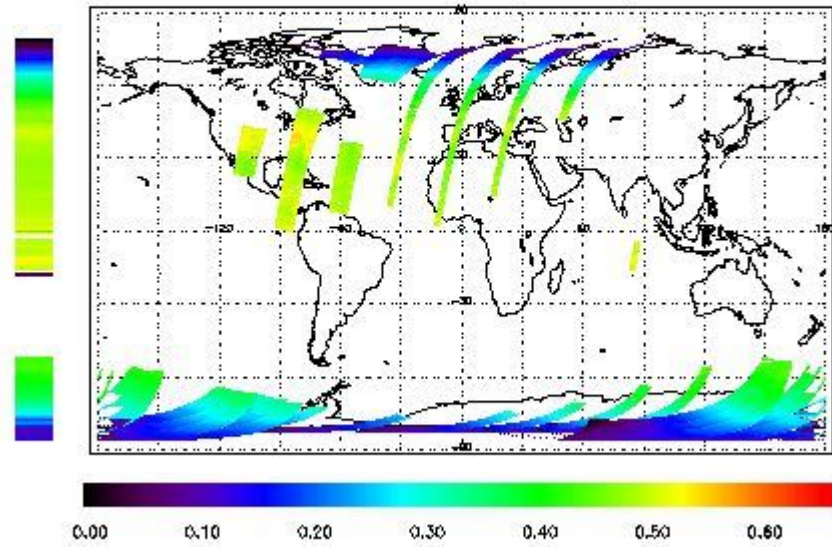


Ozone Line Ratio

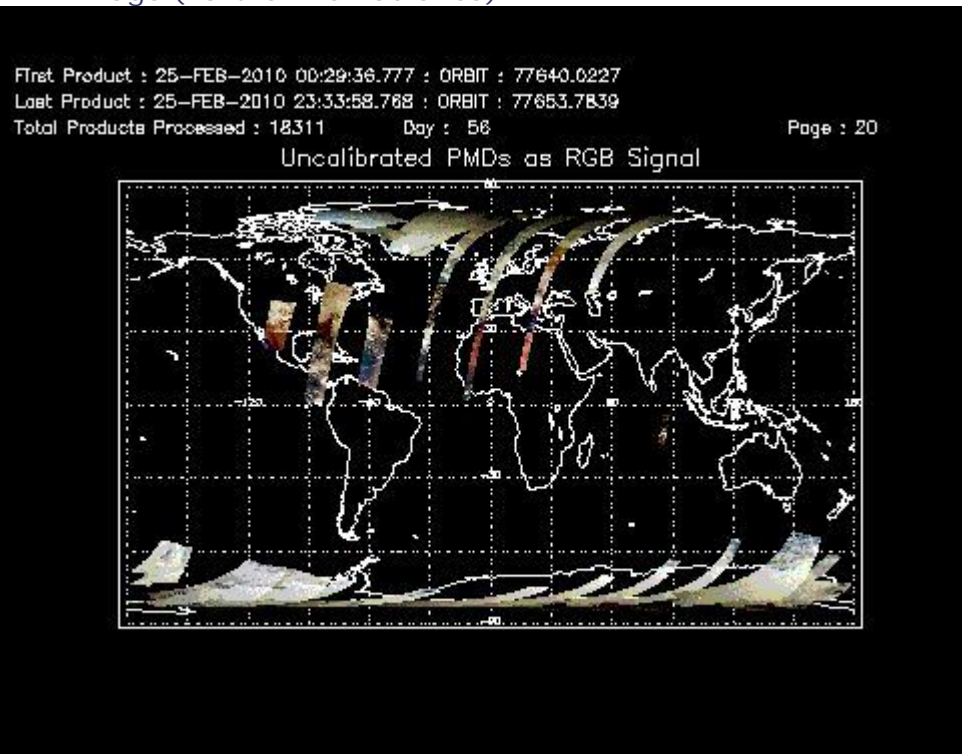
First Product : 25-FEB-2010 00:29:36.777 : ORBIT : 77640.0227
 Last Product : 25-FEB-2010 23:33:58.768 : ORBIT : 77653.7839
 Total Products Processed : 18311 Day : 56

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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	15:58:27.469	--	77649	Yes	--	15475

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)
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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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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
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5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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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
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
14:00	14:00	77634	77648

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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(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