

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-MAR-2010
Start Time of First Product	23:46:18 (01-Mar)
Stop Time of Last Product	23:23:46
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100302CMEP6890.E2	02-MAR-2010	15:16:30.876
EGOI_100302GSEP0845.E2	02-MAR-2010	01:19:43.749
EGOI_100302GSEP0877.E2	02-MAR-2010	02:57:00.844
EGOI_100302GSEP0905.E2	02-MAR-2010	04:39:13.467
EGOI_100302GSEP0912.E2	02-MAR-2010	06:21:14.096
EGOI_100302KSEP8762.E2	01-MAR-2010	23:46:17.676
EGOI_100302KSEP8778.E2	02-MAR-2010	06:38:42.703
EGOI_100302KSEP8799.E2	02-MAR-2010	08:18:37.316
EGOI_100302KSEP8821.E2	02-MAR-2010	09:58:16.923

EGOI_100302KSEP8847.E2	02-MAR-2010	11:37:52.035
EGOI_100302KSEP8879.E2	02-MAR-2010	13:16:55.642
EGOI_100302KSEP8909.E2	02-MAR-2010	14:55:38.250
EGOI_100302KSEP8941.E2	02-MAR-2010	16:33:16.354
EGOI_100302KSEP8974.E2	02-MAR-2010	18:11:13.950
EGOI_100302KSEP9009.E2	02-MAR-2010	19:49:37.054
EGOI_100302KSEP9036.E2	02-MAR-2010	21:30:13.670
EGOI_100302KSEP9064.E2	02-MAR-2010	23:13:09.805
EGOI_100302MAEP9446.E2	02-MAR-2010	08:27:02.863
EGOI_100302MAEP9462.E2	02-MAR-2010	10:05:42.466
EGOI_100302MAEP9480.E2	02-MAR-2010	21:22:28.623
EGOI_100302MIEP4889.E2	02-MAR-2010	02:53:08.321
EGOI_100302MIEP4916.E2	02-MAR-2010	04:33:11.931
EGOI_100302MIEP4943.E2	02-MAR-2010	15:13:17.356
EGOI_100302MMEP4857.E2	02-MAR-2010	00:36:07.481
EGOI_100302MMEP4863.E2	02-MAR-2010	02:18:02.101
EGOI_100302MMEP4872.E2	02-MAR-2010	10:46:12.718
EGOI_100302MMEP4882.E2	02-MAR-2010	12:26:10.336
EGOI_100302MSEP6831.E2	02-MAR-2010	10:13:27.518
EGOI_100302MSEP6861.E2	02-MAR-2010	11:50:49.118
EGOI_100302MSEP6882.E2	02-MAR-2010	13:32:42.240
EGOI_100302MSEP6899.E2	02-MAR-2010	21:24:25.634
EGOI_100302MSEP6931.E2	02-MAR-2010	22:59:33.719
EGOI_100302SGEP4044.E2	02-MAR-2010	02:00:18.492
EGOI_100302SGEP4049.E2	02-MAR-2010	03:34:16.071
EGOI_100302SGEP4055.E2	02-MAR-2010	14:31:41.106
EGOI_100302SGEP4061.E2	02-MAR-2010	16:10:26.713

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77715	02-MAR-2010	06:37:19.703	06:38:42.703	83.000000
KS	77716	02-MAR-2010	08:16:36.625	08:18:37.315	120.69000
KS	77717	02-MAR-2010	09:56:14.072	09:58:16.922	122.85000
KS	77718	02-MAR-2010	11:35:45.445	11:37:52.035	126.59000
KS	77719	02-MAR-2010	13:14:53.004	13:16:55.641	122.63700
KS	77720	02-MAR-2010	14:53:31.291	14:55:38.249	126.95800
KS	77721	02-MAR-2010	16:31:09.097	16:33:16.353	127.25600
KS	77722	02-MAR-2010	18:08:58.101	18:11:13.950	135.84900
KS	77723	02-MAR-2010	19:47:55.183	19:49:37.053	101.87000
KS	77724	02-MAR-2010	21:28:38.603	21:30:13.669	95.066000
KS	77725	02-MAR-2010	23:11:51.265	23:13:09.805	78.540000

GS	77712	02-MAR-2010	01:18:14.767	01:19:43.748	88.981000
GS	77713	02-MAR-2010	02:55:33.868	02:57:00.844	86.976000
GS	77714	02-MAR-2010	04:37:46.987	04:39:13.466	86.479000
MS	77717	02-MAR-2010	10:11:18.488	10:13:27.517	129.02900
MS	77718	02-MAR-2010	11:48:38.214	11:50:49.118	130.90400
MS	77725	02-MAR-2010	22:57:55.167	22:59:33.718	98.551000
MA	77716	02-MAR-2010	08:25:36.265	08:27:02.863	86.598000
MA	77717	02-MAR-2010	10:04:17.074	10:05:42.465	85.391000
MA	77724	02-MAR-2010	21:20:18.114	21:22:28.622	130.50800
MI	77713	02-MAR-2010	02:51:12.202	02:53:08.320	116.11800
MI	77714	02-MAR-2010	04:31:19.732	04:33:11.931	112.19900
MI	77720	02-MAR-2010	15:11:26.343	15:13:17.355	111.01200
MM	77711	02-MAR-2010	00:35:07.265	00:36:07.480	60.215000
MM	77717	02-MAR-2010	10:45:09.319	10:46:12.717	63.398000
MM	77718	02-MAR-2010	12:25:07.530	12:26:10.335	62.805000
SG	77713	02-MAR-2010	03:32:34.728	03:34:16.070	101.34200
SG	77713	02-MAR-2010	03:37:20.590	03:46:26.833	546.24300
SG	77719	02-MAR-2010	14:29:21.922	14:31:41.105	139.18300
SG	77720	02-MAR-2010	16:07:51.481	16:10:26.712	155.23100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77711	02-MAR-2010	00:23:24.214	00:38:02.355	878.14100
BE	77712	02-MAR-2010	01:43:12.879	01:53:46.466	633.58700
HO	77712	02-MAR-2010	02:07:51.851	02:13:39.960	348.10900
BE	77713	02-MAR-2010	03:21:37.645	03:34:53.639	795.99400
MM	77713	02-MAR-2010	04:00:36.264	04:07:10.548	394.28400
CM	77713	02-MAR-2010	02:52:14.012	03:00:18.994	484.98200
CM	77713	02-MAR-2010	04:29:10.263	04:41:12.740	722.47700
MM	77714	02-MAR-2010	05:43:11.039	05:49:02.375	351.33600
MM	77715	02-MAR-2010	07:24:26.599	07:32:02.075	455.47600
JO	77715	02-MAR-2010	07:03:36.815	07:15:57.884	741.06900
MM	77716	02-MAR-2010	09:04:57.565	09:14:53.129	595.56400
JO	77716	02-MAR-2010	08:41:22.658	08:56:05.177	882.51900
MA	77718	02-MAR-2010	11:45:54.590	11:52:02.065	367.47500

HO	77719	02-MAR-2010	14:13:43.466	14:26:38.785	775.31900
MM	77719	02-MAR-2010	14:04:51.464	14:17:35.315	763.85100
SG	77719	02-MAR-2010	14:29:21.922	14:40:54.414	692.49200
BE	77720	02-MAR-2010	14:38:27.168	14:51:30.358	783.19000
MM	77720	02-MAR-2010	15:44:19.301	15:56:55.671	756.37000
GS	77720	02-MAR-2010	15:05:11.098	15:18:13.917	782.81900
MM	77721	02-MAR-2010	17:23:32.295	17:36:03.877	751.58200
MI	77721	02-MAR-2010	16:50:41.975	17:02:37.289	715.31400
GS	77721	02-MAR-2010	16:44:30.651	16:57:46.849	796.19800
CM	77721	02-MAR-2010	16:53:07.823	17:05:05.451	717.62800
MM	77722	02-MAR-2010	19:02:40.714	19:15:18.686	757.97200
JO	77722	02-MAR-2010	19:23:40.545	19:34:38.892	658.34700
MM	77723	02-MAR-2010	20:42:04.903	20:54:48.852	763.94900
MA	77723	02-MAR-2010	19:41:33.373	19:53:48.578	735.20500
JO	77723	02-MAR-2010	21:01:17.581	21:16:12.159	894.57800
HO	77724	02-MAR-2010	22:15:19.634	22:26:43.828	684.19400
MM	77724	02-MAR-2010	22:22:08.275	22:34:35.124	746.84900
JO	77724	02-MAR-2010	22:43:41.016	22:50:33.591	412.57500
HO	77725	02-MAR-2010	23:52:19.125	00:06:48.354	869.22900

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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

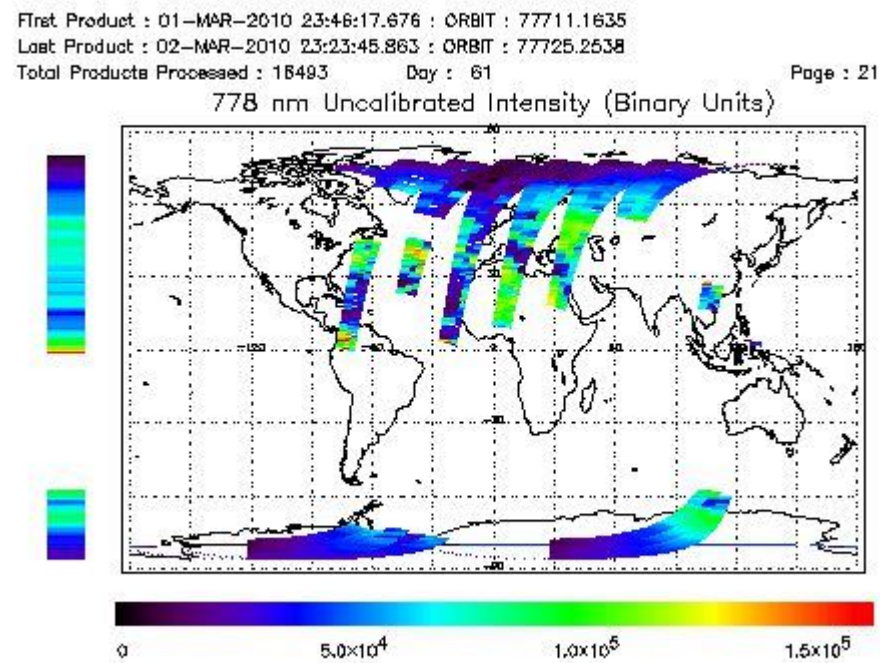
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK

Polarization Detectors	OK
FPA Temperatures A	OK
FPA 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

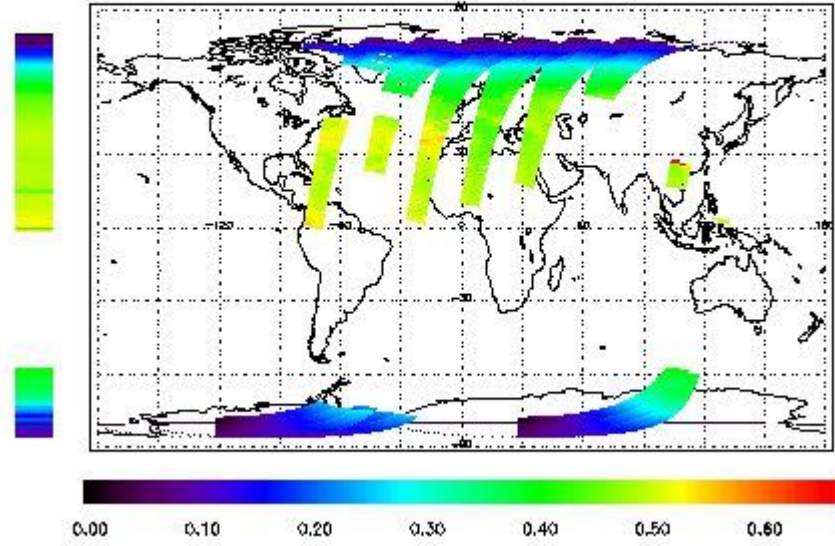
The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

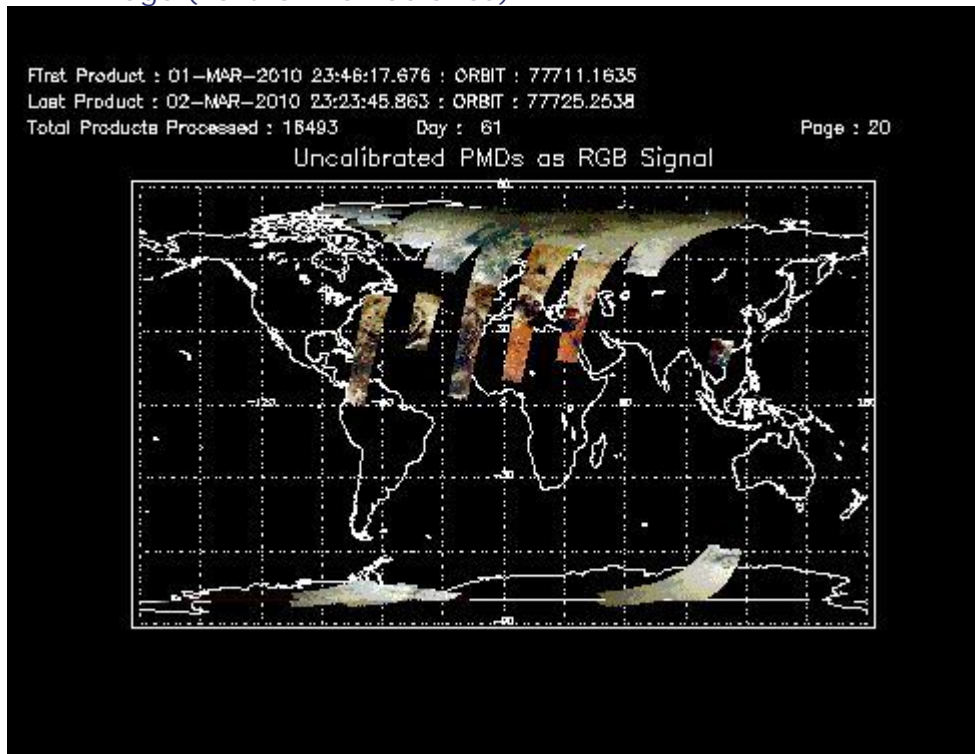


Ozone Line Ratio

First Product : 01-MAR-2010 23:46:17.676 : ORBIT : 77711.1635
 Last Product : 02-MAR-2010 23:23:45.863 : ORBIT : 77725.2538
 Total Products Processed : 18493 Day : 61 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	16:40:59.897	--	77720	Yes	--	15347

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
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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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
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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