

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-APR-2010
Start Time of First Product	23:46:01 (06-Apr)
Stop Time of Last Product	23:23:29
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements performed due to the high acceleration value following the ERS-2 orbit manoeuvre of 4-Apr

1.2 - List of received products

Name	Date	Time
EGOI_100406BEEP2380.E2	06-APR-2010	03:23:28.973
EGOI_100406CMEP7412.E2	06-APR-2010	02:53:28.793
EGOI_100406CMEP7422.E2	06-APR-2010	04:32:14.400
EGOI_100406CMEP7428.E2	06-APR-2010	15:17:54.352
EGOI_100406CMEP7435.E2	06-APR-2010	16:55:36.951
EGOI_100406GSEP3442.E2	06-APR-2010	01:19:26.718
EGOI_100406GSEP3474.E2	06-APR-2010	02:56:43.813
EGOI_100406GSEP3502.E2	06-APR-2010	04:38:59.439
EGOI_100406GSEP3509.E2	06-APR-2010	06:20:54.062

EGOI_100406KSEP8274.E2	05-APR-2010	23:46:00.642
EGOI_100406KSEP8285.E2	06-APR-2010	06:38:25.668
EGOI_100406KSEP8303.E2	06-APR-2010	08:18:20.283
EGOI_100406KSEP8320.E2	06-APR-2010	09:57:59.894
EGOI_100406KSEP8340.E2	06-APR-2010	11:37:36.509
EGOI_100406KSEP8356.E2	06-APR-2010	13:16:37.112
EGOI_100406KSEP8365.E2	06-APR-2010	14:55:21.215
EGOI_100406KSEP8380.E2	06-APR-2010	16:32:59.314
EGOI_100406KSEP8408.E2	06-APR-2010	18:10:58.413
EGOI_100406KSEP8438.E2	06-APR-2010	19:49:20.016
EGOI_100406KSEP8458.E2	06-APR-2010	21:29:59.639
EGOI_100406KSEP8475.E2	06-APR-2010	23:12:54.266
EGOI_100406MAEP0730.E2	06-APR-2010	08:26:44.334
EGOI_100406MAEP0745.E2	06-APR-2010	10:05:25.437
EGOI_100406MAEP0762.E2	06-APR-2010	21:22:13.089
EGOI_100406MIEP8572.E2	06-APR-2010	02:52:48.289
EGOI_100406MIEP8599.E2	06-APR-2010	04:32:56.404
EGOI_100406MIEP8627.E2	06-APR-2010	15:13:04.824
EGOI_100406MIEP8656.E2	06-APR-2010	16:52:21.932
EGOI_100406MMEP5948.E2	06-APR-2010	02:17:46.574
EGOI_100406MMEP5955.E2	06-APR-2010	04:00:48.705
EGOI_100406MMEP5962.E2	06-APR-2010	05:43:11.831
EGOI_100406MMEP5970.E2	06-APR-2010	09:05:37.072
EGOI_100406MMEP5983.E2	06-APR-2010	19:04:13.738
EGOI_100406MMEP5991.E2	06-APR-2010	22:23:19.461
EGOI_100406MSEP0984.E2	06-APR-2010	10:13:10.484
EGOI_100406MSEP1014.E2	06-APR-2010	11:50:32.083
EGOI_100406MSEP1035.E2	06-APR-2010	13:32:26.706
EGOI_100406MSEP1052.E2	06-APR-2010	21:24:08.600
EGOI_100406MSEP1084.E2	06-APR-2010	22:59:10.680

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78216	06-APR-2010	06:37:19.703	06:38:25.667	65.964000
KS	78217	06-APR-2010	08:16:36.626	08:18:20.283	103.65700
KS	78218	06-APR-2010	09:56:14.072	09:57:59.893	105.82100
KS	78219	06-APR-2010	11:35:45.445	11:37:36.508	111.06300
KS	78220	06-APR-2010	13:14:53.004	13:16:37.111	104.10700
KS	78221	06-APR-2010	14:53:31.291	14:55:21.215	109.92400
KS	78222	06-APR-2010	16:31:09.097	16:32:59.313	110.21600
KS	78223	06-APR-2010	18:08:58.101	18:10:58.412	120.31100

KS	78224	06-APR-2010	19:47:55.184	19:49:20.016	84.832000
KS	78225	06-APR-2010	21:28:38.603	21:29:59.638	81.035000
KS	78226	06-APR-2010	23:11:51.265	23:12:54.265	63.000000
GS	78213	06-APR-2010	01:18:14.767	01:19:26.718	71.951000
GS	78214	06-APR-2010	02:55:33.868	02:56:43.812	69.944000
GS	78215	06-APR-2010	04:37:46.987	04:38:59.439	72.452000
MS	78218	06-APR-2010	10:11:18.488	10:13:10.483	111.99500
MS	78219	06-APR-2010	11:48:38.214	11:50:32.082	113.86800
MS	78226	06-APR-2010	22:57:55.167	22:59:10.679	75.512000
MA	78217	06-APR-2010	08:25:36.266	08:26:44.333	68.067000
MA	78218	06-APR-2010	10:04:17.074	10:05:25.437	68.363000
MA	78225	06-APR-2010	21:20:18.114	21:22:13.088	114.97400
MI	78214	06-APR-2010	02:51:12.202	02:52:48.288	96.086000
MI	78215	06-APR-2010	04:31:19.732	04:32:56.404	96.672000
MI	78221	06-APR-2010	15:11:26.343	15:13:04.824	98.481000
MI	78222	06-APR-2010	16:50:41.975	16:52:21.932	99.957000
MM	78223	06-APR-2010	19:02:40.714	19:04:13.738	93.024000
MM	78225	06-APR-2010	22:22:08.275	22:23:19.460	71.185000
BE	78214	06-APR-2010	03:21:37.645	03:23:28.973	111.32800
CM	78214	06-APR-2010	02:52:14.012	02:53:28.792	74.780000
CM	78221	06-APR-2010	15:15:43.620	15:17:54.351	130.73100
CM	78222	06-APR-2010	16:53:07.823	16:55:36.951	149.12800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78212	06-APR-2010	00:23:24.214	00:38:02.355	878.14100
MM	78212	06-APR-2010	00:35:07.265	00:46:04.018	656.75300
BE	78213	06-APR-2010	01:43:12.879	01:53:46.466	633.58700
HO	78213	06-APR-2010	02:07:51.851	02:13:39.960	348.10900
SG	78214	06-APR-2010	03:32:34.728	03:46:26.833	832.10500
MM	78216	06-APR-2010	07:24:26.599	07:32:02.075	455.47600
JO	78216	06-APR-2010	07:03:36.815	07:15:57.884	741.06900
JO	78217	06-APR-2010	08:41:22.659	08:56:05.178	882.51900
MM	78218	06-APR-2010	10:45:09.319	10:56:48.601	699.28200
MM	78219	06-APR-2010	12:25:07.530	12:37:39.473	751.94300

MA	78219	06-APR-2010	11:45:54.590	11:52:02.065	367.47500
HO	78220	06-APR-2010	14:13:43.466	14:26:38.785	775.31900
MM	78220	06-APR-2010	14:04:51.464	14:17:35.315	763.85100
SG	78220	06-APR-2010	14:29:21.922	14:40:54.414	692.49200
BE	78221	06-APR-2010	14:38:27.168	14:51:30.358	783.19000
MM	78221	06-APR-2010	15:44:19.301	15:56:55.671	756.37000
GS	78221	06-APR-2010	15:05:11.098	15:18:13.917	782.81900
SG	78221	06-APR-2010	16:07:51.481	16:20:36.325	764.84400
MM	78222	06-APR-2010	17:23:32.295	17:36:03.877	751.58200
GS	78222	06-APR-2010	16:44:30.651	16:57:46.849	796.19800
JO	78223	06-APR-2010	19:23:40.545	19:34:38.892	658.34700
MM	78224	06-APR-2010	20:42:04.904	20:54:48.853	763.94900
MA	78224	06-APR-2010	19:41:33.374	19:53:48.579	735.20500
JO	78224	06-APR-2010	21:01:17.582	21:16:12.160	894.57800
HO	78225	06-APR-2010	22:15:19.634	22:26:43.828	684.19400
JO	78225	06-APR-2010	22:43:41.016	22:50:33.591	412.57500
HO	78226	06-APR-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

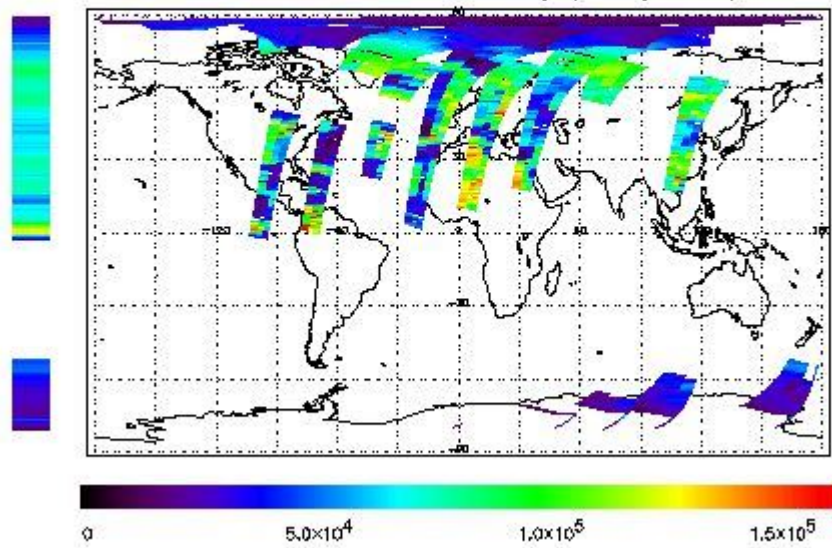
2.2 - Daily Plots

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

Fret Product : 05-APR-2010 23:46:00.642 : ORBIT : 78212.1607
 Last Product : 06-APR-2010 23:23:28.832 : ORBIT : 78226.2510
 Total Products Processed : 17892 Day : 96 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

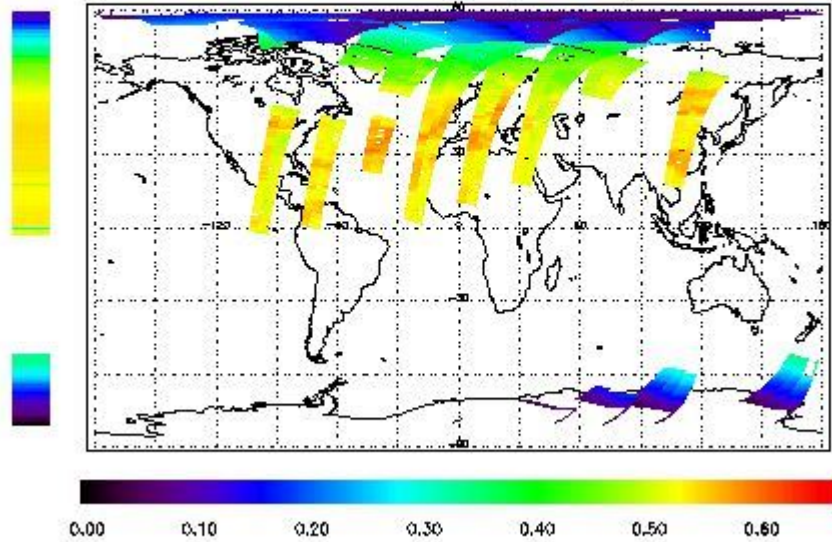


Ozone Line Ratio

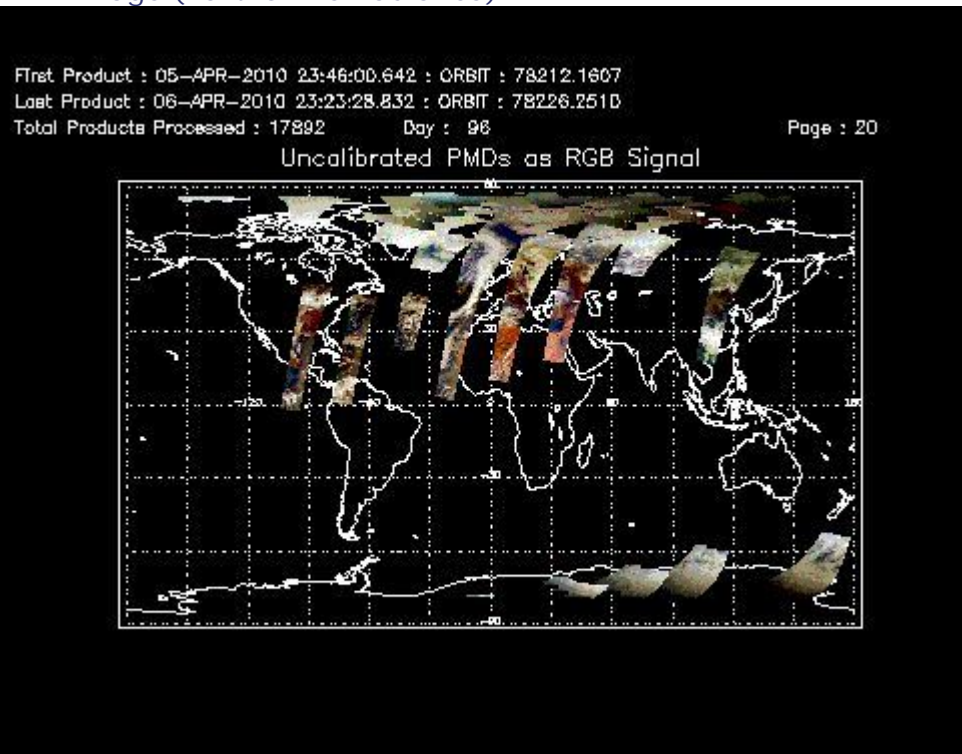
First Product : 05-APR-2010 23:46:00.642 : ORBIT : 78212.1607
 Last Product : 06-APR-2010 23:23:28.832 : ORBIT : 78226.2510
 Total Products Processed : 17892 Day : 98

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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)
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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
--	--	--	--	--

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
07:00 10-Mar	--	77830	--

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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