

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-MAR-2010
Start Time of First Product	00:11:36
Stop Time of Last Product	23:52:58
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100323BEEP2212.E2	23-MAR-2010	02:24:14.856
EGOI_100323BEEP2218.E2	23-MAR-2010	04:03:42.467
EGOI_100323CMEP7188.E2	23-MAR-2010	15:56:06.327
EGOI_100323CMEP7197.E2	23-MAR-2010	17:35:47.439
EGOI_100323GSEP2380.E2	23-MAR-2010	01:57:52.192
EGOI_100323GSEP2411.E2	23-MAR-2010	03:36:58.799
EGOI_100323GSEP2420.E2	23-MAR-2010	05:19:51.929
EGOI_100323KSEP4773.E2	23-MAR-2010	07:18:19.654
EGOI_100323KSEP4796.E2	23-MAR-2010	08:58:18.774

EGOI_100323KSEP4822.E2	23-MAR-2010	10:37:58.384
EGOI_100323KSEP4852.E2	23-MAR-2010	12:17:21.488
EGOI_100323KSEP4883.E2	23-MAR-2010	13:56:19.099
EGOI_100323KSEP4911.E2	23-MAR-2010	15:34:36.198
EGOI_100323KSEP4943.E2	23-MAR-2010	17:12:08.298
EGOI_100323KSEP4978.E2	23-MAR-2010	18:50:08.902
EGOI_100323KSEP5014.E2	23-MAR-2010	20:29:23.013
EGOI_100323KSEP5045.E2	23-MAR-2010	22:11:01.132
EGOI_100323MAEP0226.E2	23-MAR-2010	09:05:35.313
EGOI_100323MAEP0235.E2	23-MAR-2010	10:45:46.427
EGOI_100323MIEP7024.E2	23-MAR-2010	01:56:34.184
EGOI_100323MIEP7053.E2	23-MAR-2010	03:32:13.771
EGOI_100323MIEP7074.E2	23-MAR-2010	05:16:09.906
EGOI_100323MIEP7087.E2	23-MAR-2010	14:18:02.728
EGOI_100323MIEP7113.E2	23-MAR-2010	15:52:16.804
EGOI_100323MIEP7139.E2	23-MAR-2010	17:33:36.927
EGOI_100323MSEP9282.E2	23-MAR-2010	00:11:36.541
EGOI_100323MSEP9303.E2	23-MAR-2010	10:51:35.963
EGOI_100323MSEP9331.E2	23-MAR-2010	12:30:47.074
EGOI_100323MSEP9361.E2	23-MAR-2010	22:01:10.073
EGOI_100323MSEP9391.E2	23-MAR-2010	23:39:33.172
EGOI_100323SGEP4474.E2	23-MAR-2010	02:36:04.431
EGOI_100323SGEP4480.E2	23-MAR-2010	04:14:24.530
EGOI_100323SGEP4488.E2	23-MAR-2010	15:09:43.545
EGOI_100323SGEP4494.E2	23-MAR-2010	16:51:45.673

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78016	23-MAR-2010	07:16:56.443	07:18:19.653	83.210000
KS	78017	23-MAR-2010	08:56:27.190	08:58:18.774	111.58400
KS	78018	23-MAR-2010	10:36:04.297	10:37:58.383	114.08600
KS	78019	23-MAR-2010	12:15:28.423	12:17:21.488	113.06500
KS	78020	23-MAR-2010	13:54:22.759	13:56:19.099	116.34000
KS	78021	23-MAR-2010	15:32:27.909	15:34:36.198	128.28900
KS	78022	23-MAR-2010	17:10:11.823	17:12:08.297	116.47400
KS	78023	23-MAR-2010	18:48:22.592	18:50:08.901	106.30900
KS	78024	23-MAR-2010	20:27:57.732	20:29:23.012	85.280000
KS	78025	23-MAR-2010	22:09:34.438	22:11:01.131	86.693000
GS	78013	23-MAR-2010	01:56:38.006	01:57:52.191	74.185000
GS	78014	23-MAR-2010	03:35:44.443	03:36:58.799	74.356000

MS	78012	23-MAR-2010	00:10:01.879	00:11:36.541	94.662000
MS	78018	23-MAR-2010	10:49:36.088	10:51:35.962	119.87400
MS	78019	23-MAR-2010	12:28:44.393	12:30:47.073	122.68000
MS	78025	23-MAR-2010	21:59:54.646	22:01:10.073	75.427000
MS	78026	23-MAR-2010	23:37:51.890	23:39:33.171	101.28100
MA	78018	23-MAR-2010	10:44:09.312	10:45:46.427	97.115000
MI	78013	23-MAR-2010	01:54:59.948	01:56:34.184	94.236000
MI	78014	23-MAR-2010	03:30:25.778	03:32:13.771	107.99300
MI	78015	23-MAR-2010	05:14:50.827	05:16:09.906	79.079000
MI	78021	23-MAR-2010	15:50:36.073	15:52:16.803	100.73000
MI	78022	23-MAR-2010	17:31:58.109	17:33:36.927	98.818000
BE	78013	23-MAR-2010	02:22:10.149	02:24:14.855	124.70600
BE	78014	23-MAR-2010	04:01:44.170	04:03:42.466	118.29600
SG	78013	23-MAR-2010	02:34:07.148	02:36:04.430	117.28200
SG	78014	23-MAR-2010	04:12:53.023	04:14:24.529	91.506000
SG	78020	23-MAR-2010	15:07:55.119	15:09:43.545	108.42600
SG	78021	23-MAR-2010	16:49:34.407	16:51:45.672	131.26500
CM	78021	23-MAR-2010	15:53:44.695	15:56:06.326	141.63100
CM	78022	23-MAR-2010	17:33:59.122	17:35:47.438	108.31600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78012	23-MAR-2010	01:04:05.914	01:17:23.607	797.69300
MM	78012	23-MAR-2010	01:15:57.999	01:26:09.719	611.72000
MM	78013	23-MAR-2010	02:58:43.655	03:06:37.638	473.98300
CM	78013	23-MAR-2010	03:29:55.331	03:41:30.923	695.59200
MM	78014	23-MAR-2010	04:41:46.740	04:47:44.891	358.15100
CM	78014	23-MAR-2010	05:10:20.859	05:19:38.424	557.56500
MM	78015	23-MAR-2010	06:23:49.565	06:30:10.001	380.43600
MM	78016	23-MAR-2010	08:04:42.249	08:13:15.330	513.08100
JO	78016	23-MAR-2010	07:41:58.241	07:56:28.009	869.76800
MM	78017	23-MAR-2010	09:45:04.008	09:55:47.065	643.05700
JO	78017	23-MAR-2010	09:22:15.034	09:34:58.980	763.94600
HO	78018	23-MAR-2010	11:35:04.122	11:47:07.811	723.68900
MM	78018	23-MAR-2010	11:25:10.209	11:37:16.451	726.24200

HO	78019	23-MAR-2010	13:13:35.145	13:28:24.495	889.35000
MM	78019	23-MAR-2010	13:05:02.919	13:17:43.472	760.55300
HO	78020	23-MAR-2010	14:54:14.776	15:03:43.307	568.53100
MM	78020	23-MAR-2010	14:44:40.603	14:57:22.412	761.80900
GS	78020	23-MAR-2010	14:06:59.371	14:15:41.860	522.48900
BE	78021	23-MAR-2010	15:19:22.551	15:30:37.711	675.16000
MM	78021	23-MAR-2010	16:24:01.953	16:36:35.155	753.20200
GS	78021	23-MAR-2010	15:44:42.444	15:58:35.863	833.41900
MM	78022	23-MAR-2010	18:03:11.265	18:15:44.298	753.03300
GS	78022	23-MAR-2010	17:24:41.280	17:36:21.228	699.94800
MM	78023	23-MAR-2010	19:42:23.148	19:55:04.735	761.58700
MA	78023	23-MAR-2010	18:47:33.290	18:51:43.396	250.10600
JO	78023	23-MAR-2010	20:02:04.651	20:16:09.473	844.82200
MM	78024	23-MAR-2010	21:22:00.359	21:34:41.537	761.17800
MA	78024	23-MAR-2010	20:20:22.743	20:34:10.037	827.29400
JO	78024	23-MAR-2010	21:41:29.919	21:55:02.788	812.86900
HO	78025	23-MAR-2010	22:53:39.237	23:06:53.992	794.75500
MM	78025	23-MAR-2010	23:02:24.953	23:14:33.666	728.71300
MA	78025	23-MAR-2010	22:01:51.332	22:12:40.136	648.80400

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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

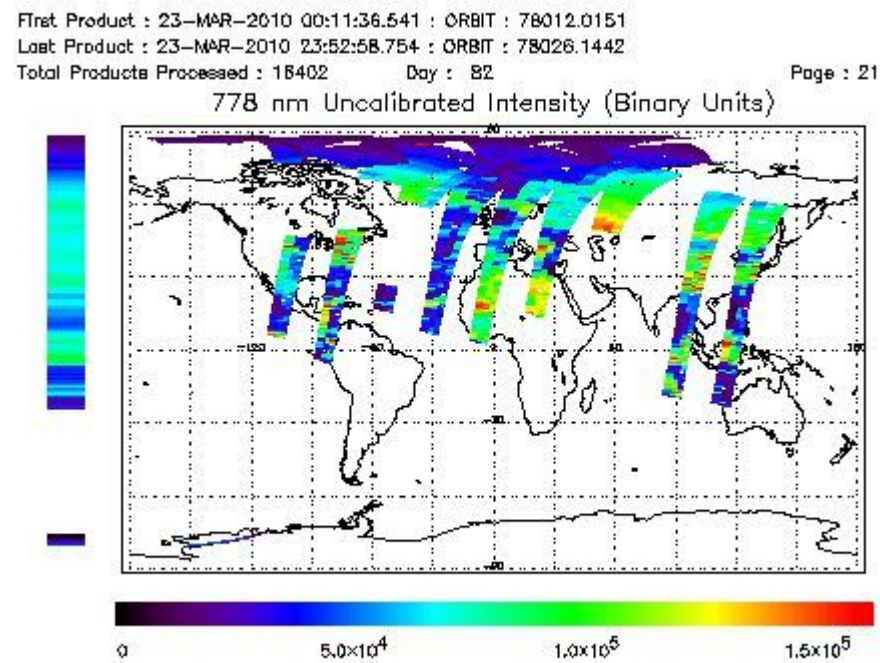
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

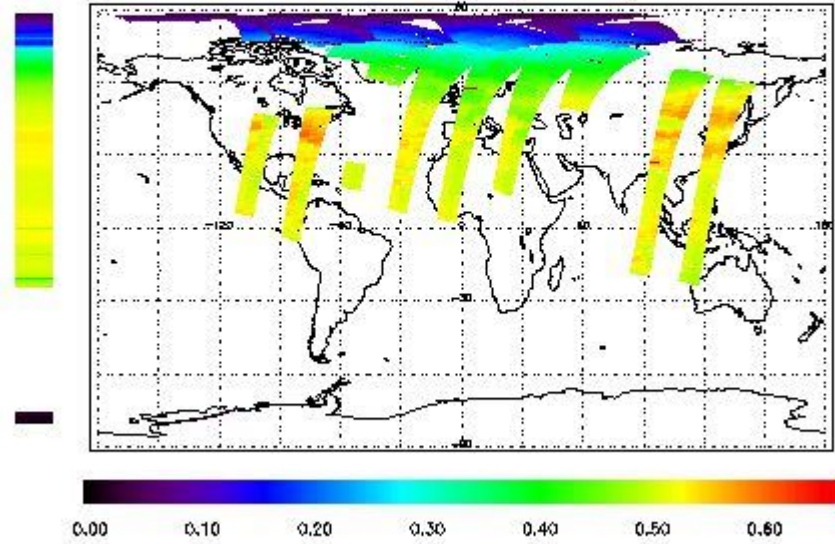
The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

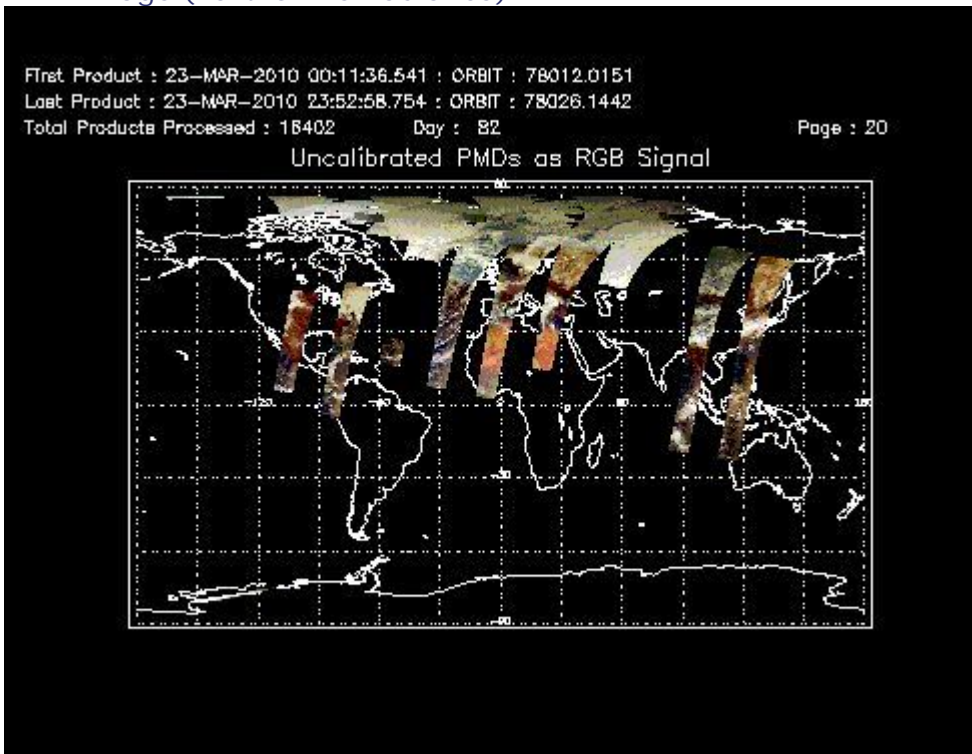


Ozone Line Ratio

First Product : 23-MAR-2010 00:11:36.541 : ORBIT : 78012.0151
 Last Product : 23-MAR-2010 23:52:58.754 : ORBIT : 78026.1442
 Total Products Processed : 18402 Day : 82 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	15:38:04.721	--	78021	Yes	--	15384

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