

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-SEP-2010
Start Time of First Product	23:53:02 (22-Sep)
Stop Time of Last Product	23:34:08
Number of EGOI Products analysed	34
Number of corrupted products	1
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_100923GSEP5600.E2	23-SEP-2010	02:15:03.369
EGOI_100923GSEP5624.E2	23-SEP-2010	03:55:00.980
EGOI_100923GSEP5632.E2	23-SEP-2010	05:37:33.111
EGOI_100923KSEP7751.E2	23-SEP-2010	07:35:44.331
EGOI_100923KSEP7770.E2	23-SEP-2010	09:15:46.440
EGOI_100923KSEP7793.E2	23-SEP-2010	10:55:24.554
EGOI_100923KSEP7818.E2	23-SEP-2010	12:34:43.157
EGOI_100923KSEP7843.E2	23-SEP-2010	14:13:39.264
EGOI_100923KSEP7869.E2	23-SEP-2010	15:51:30.871

EGOI_100923KSEP7898.E2	23-SEP-2010	17:29:26.966
EGOI_100923KSEP7930.E2	23-SEP-2010	19:07:17.068
EGOI_100923KSEP7961.E2	23-SEP-2010	20:46:56.679
EGOI_100923KSEP7987.E2	23-SEP-2010	22:28:57.310
EGOI_100923MAEP7402.E2	23-SEP-2010	09:22:56.983
EGOI_100923MAEP7410.E2	23-SEP-2010	11:03:00.600
EGOI_100923MAEP7425.E2	23-SEP-2010	22:21:12.263
EGOI_100923MIEP1467.E2	23-SEP-2010	02:12:36.353
EGOI_100923MIEP1488.E2	23-SEP-2010	03:50:21.952
EGOI_100923MIEP1507.E2	23-SEP-2010	14:32:58.885
EGOI_100923MIEP1524.E2	23-SEP-2010	16:09:44.477
EGOI_100923MIEP1540.E2	23-SEP-2010	17:52:25.607
EGOI_100923MMEP5384.E2	22-SEP-2010	23:53:02.496
EGOI_100923MMEP5395.E2	23-SEP-2010	08:27:59.649
EGOI_100923MMEP5406.E2	23-SEP-2010	18:22:34.791
EGOI_100923MMEP5415.E2	23-SEP-2010	21:41:39.017
EGOI_100923MMEP5423.E2	23-SEP-2010	23:21:15.631
EGOI_100923MSEP0527.E2	23-SEP-2010	00:29:41.727
EGOI_100923MSEP0548.E2	23-SEP-2010	11:08:36.634
EGOI_100923MSEP0575.E2	23-SEP-2010	12:48:20.749
EGOI_100923MSEP0602.E2	23-SEP-2010	22:18:00.244
EGOI_100923SGEP8304.E2	23-SEP-2010	02:52:41.096
EGOI_100923SGEP8310.E2	23-SEP-2010	04:32:37.207
EGOI_100923SGEP8317.E2	23-SEP-2010	13:52:21.139
EGOI_100923SGEP8322.E2	23-SEP-2010	15:26:56.215

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80650	23-SEP-2010	07:33:58.190	07:35:44.331	106.14100
KS	80651	23-SEP-2010	09:13:32.030	09:15:46.440	134.41000
KS	80652	23-SEP-2010	10:53:08.113	10:55:24.554	136.44100
KS	80653	23-SEP-2010	12:32:28.232	12:34:43.157	134.92500
KS	80654	23-SEP-2010	14:11:20.852	14:13:39.264	138.41200
KS	80655	23-SEP-2010	15:49:13.280	15:51:30.870	137.59000
KS	80656	23-SEP-2010	17:27:07.317	17:29:26.966	139.64900
KS	80657	23-SEP-2010	19:05:19.882	19:07:17.068	117.18600
KS	80658	23-SEP-2010	20:45:13.181	20:46:56.679	103.49800
KS	80659	23-SEP-2010	22:27:14.980	22:28:57.310	102.33000
GS	80647	23-SEP-2010	02:13:44.245	02:15:03.368	79.123000
GS	80648	23-SEP-2010	03:53:12.550	03:55:00.980	108.43000

MS	80646	23-SEP-2010	00:27:59.639	00:29:41.727	102.08800
MS	80652	23-SEP-2010	11:06:16.454	11:08:36.633	140.17900
MS	80653	23-SEP-2010	12:46:07.457	12:48:20.749	133.29200
MS	80659	23-SEP-2010	22:16:13.189	22:18:00.243	107.05400
MS	80660	23-SEP-2010	23:55:18.550	23:57:18.849	120.29900
MA	80651	23-SEP-2010	09:21:42.944	09:22:56.982	74.038000
MA	80652	23-SEP-2010	11:01:59.394	11:03:00.600	61.206000
MI	80647	23-SEP-2010	02:10:33.306	02:12:36.353	123.04700
MI	80648	23-SEP-2010	03:47:33.380	03:50:21.952	168.57200
MI	80654	23-SEP-2010	14:31:02.333	14:32:58.885	116.55200
MI	80655	23-SEP-2010	16:07:36.935	16:09:44.476	127.54100
MI	80656	23-SEP-2010	17:50:37.000	17:52:25.607	108.60700
MM	80645	22-SEP-2010	23:51:33.079	23:53:02.496	89.417000
MM	80650	23-SEP-2010	08:21:56.033	08:27:59.648	363.61500
MM	80656	23-SEP-2010	18:20:10.842	18:22:34.791	143.94900
MM	80658	23-SEP-2010	21:39:09.258	21:41:39.016	149.75800
MM	80659	23-SEP-2010	23:19:43.724	23:21:15.631	91.907000
SG	80647	23-SEP-2010	02:50:32.520	02:52:41.095	128.57500
SG	80647	23-SEP-2010	02:55:39.614	03:03:30.995	471.38100
SG	80648	23-SEP-2010	04:30:32.871	04:32:37.207	124.33600
SG	80648	23-SEP-2010	04:37:56.737	04:41:41.401	224.66400
SG	80654	23-SEP-2010	15:24:48.382	15:26:56.214	127.83200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80646	23-SEP-2010	01:21:35.979	01:34:05.740	749.76100
MM	80646	23-SEP-2010	01:33:31.361	01:43:21.534	590.17300
BE	80647	23-SEP-2010	02:39:03.685	02:52:17.254	793.56900
MM	80647	23-SEP-2010	03:16:24.298	03:23:53.886	449.58800
CM	80647	23-SEP-2010	03:46:34.649	03:58:46.720	732.07100
BE	80648	23-SEP-2010	04:19:03.295	04:30:12.829	669.53400
MM	80648	23-SEP-2010	04:59:22.525	05:05:12.271	349.74600
MM	80649	23-SEP-2010	06:41:10.869	06:47:49.990	399.12100
KS	80649	23-SEP-2010	05:55:25.697	05:59:51.165	265.46800
CM	80649	23-SEP-2010	05:28:48.354	05:35:21.597	393.24300

JO	80649	23-SEP-2010	06:24:28.247	06:31:10.047	401.80000
JO	80650	23-SEP-2010	07:58:43.930	08:13:37.789	893.85900
MM	80651	23-SEP-2010	10:02:14.599	10:13:15.639	661.04000
JO	80651	23-SEP-2010	09:40:13.468	09:51:17.565	664.09700
MM	80652	23-SEP-2010	11:42:18.511	11:54:33.822	735.31100
MM	80653	23-SEP-2010	13:22:08.793	13:34:51.309	762.51600
BE	80654	23-SEP-2010	13:55:39.820	14:09:01.523	801.70300
HO	80654	23-SEP-2010	15:11:46.179	15:20:07.175	500.99600
MM	80654	23-SEP-2010	15:01:43.701	15:14:24.079	760.37800
GS	80654	23-SEP-2010	14:23:23.083	14:33:54.858	631.77500
BE	80655	23-SEP-2010	15:37:19.777	15:47:07.322	587.54500
MM	80655	23-SEP-2010	16:41:02.418	16:53:34.714	752.29600
GS	80655	23-SEP-2010	16:01:44.306	16:15:39.976	835.67000
CM	80655	23-SEP-2010	16:10:29.863	16:22:45.380	735.51700
GS	80656	23-SEP-2010	17:42:00.279	17:52:38.449	638.17000
CM	80656	23-SEP-2010	17:52:06.471	17:58:48.459	401.98800
MM	80657	23-SEP-2010	19:59:25.345	20:12:08.149	762.80400
MA	80657	23-SEP-2010	19:03:23.960	19:08:50.710	326.75000
JO	80657	23-SEP-2010	20:18:50.944	20:33:32.235	881.29100
MA	80658	23-SEP-2010	20:37:14.900	20:50:54.838	819.93800
JO	80658	23-SEP-2010	21:58:56.323	22:11:21.166	744.84300
HO	80659	23-SEP-2010	23:10:12.850	23:24:04.418	831.56800

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1.5 - List of corrupted products

Station	Orbit	Time
MA	80659	22:21:30.263

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	Polar View operated
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

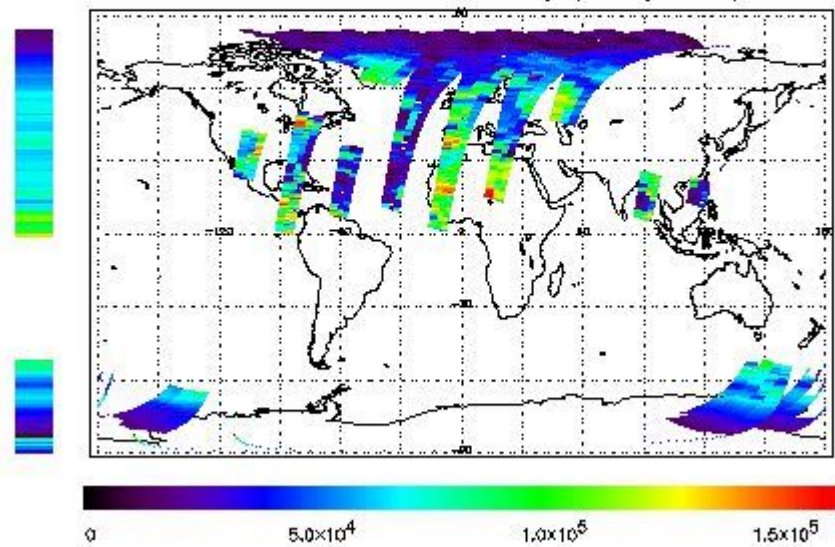
2.2 - Daily Plots

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

First Product : 22-SEP-2010 23:53:02.496 : ORBIT : 80645.6591
 Last Product : 23-SEP-2010 23:34:08.205 : ORBIT : 80659.7855
 Total Products Processed : 15558 Day : 268 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

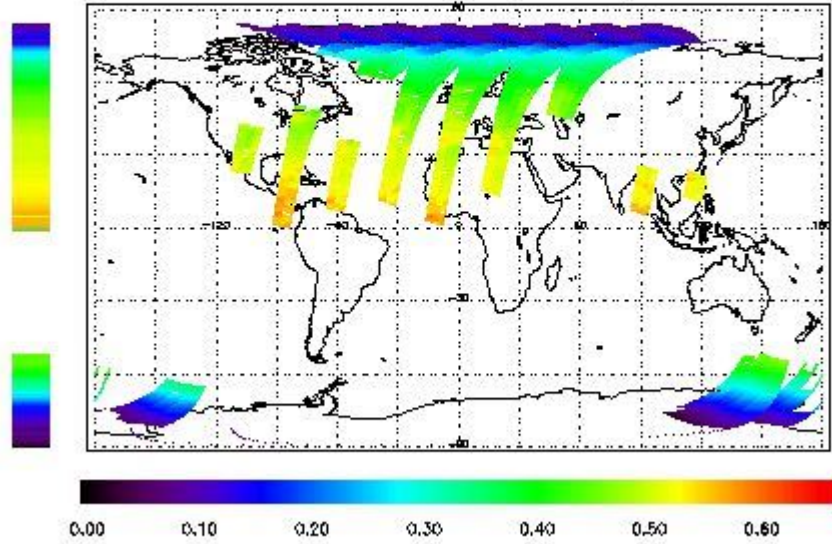


Ozone Line Ratio

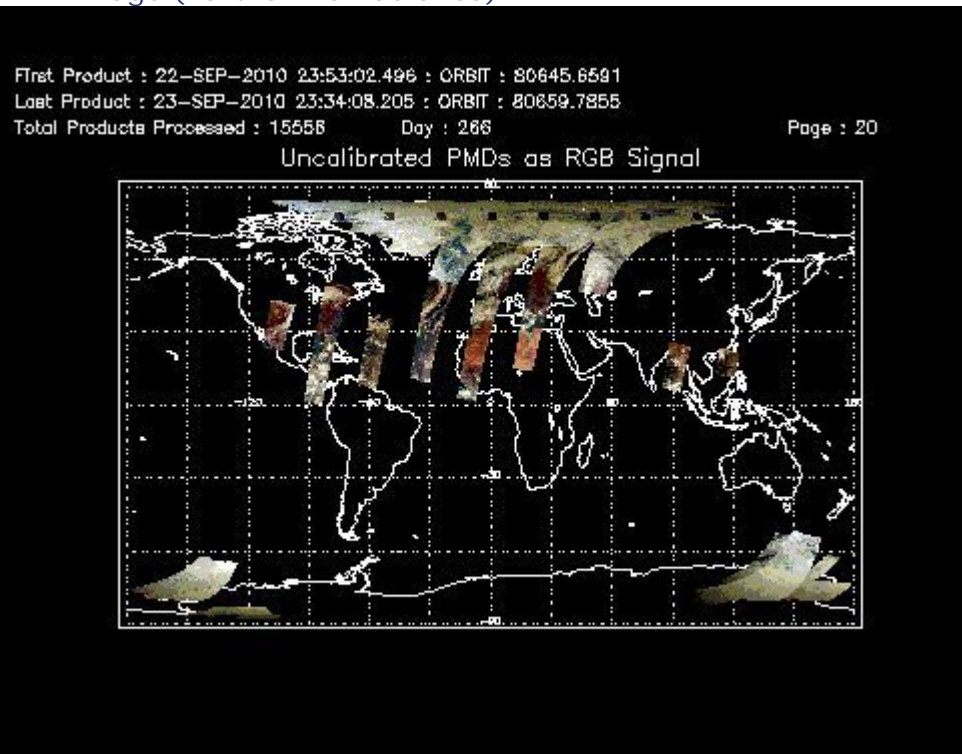
First Product : 22-SEP-2010 23:53:02.496 : ORBIT : 80645.6591
 Last Product : 23-SEP-2010 23:34:08.205 : ORBIT : 80659.7855
 Total Products Processed : 15558 Day : 266

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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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lamp_ca	--	--	--	--	--	--	

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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
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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
01:00 05-Sep	--	80388	--

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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