

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-SEP-2010
Start Time of First Product	00:17:53
Stop Time of Last Product	22:29:55
Number of EGOI Products analysed	31
Number of corrupted products	--
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_100917GSEP5217.E2	17-SEP-2010	02:03:43.363
EGOI_100917GSEP5248.E2	17-SEP-2010	03:43:06.474
EGOI_100917GSEP5256.E2	17-SEP-2010	05:25:56.600
EGOI_100917KSEP6237.E2	17-SEP-2010	07:24:22.824
EGOI_100917KSEP6255.E2	17-SEP-2010	09:04:20.437
EGOI_100917KSEP6278.E2	17-SEP-2010	10:44:00.048
EGOI_100917KSEP6303.E2	17-SEP-2010	12:23:21.655
EGOI_100917KSEP6331.E2	17-SEP-2010	14:02:19.265
EGOI_100917KSEP6356.E2	17-SEP-2010	15:40:24.369

EGOI_100917KSEP6385.E2	17-SEP-2010	17:18:09.968
EGOI_100917KSEP6417.E2	17-SEP-2010	18:56:01.562
EGOI_100917KSEP6448.E2	17-SEP-2010	20:35:23.177
EGOI_100917KSEP6476.E2	17-SEP-2010	22:17:10.301
EGOI_100917MAEP7199.E2	17-SEP-2010	09:11:42.967
EGOI_100917MAEP7215.E2	17-SEP-2010	10:51:30.080
EGOI_100917MAEP7235.E2	17-SEP-2010	22:09:19.251
EGOI_100917MIEP0910.E2	17-SEP-2010	02:02:02.855
EGOI_100917MIEP0937.E2	17-SEP-2010	03:39:06.447
EGOI_100917MIEP0954.E2	17-SEP-2010	05:23:28.089
EGOI_100917MIEP0970.E2	17-SEP-2010	14:22:55.390
EGOI_100917MIEP0983.E2	17-SEP-2010	16:02:12.497
EGOI_100917MIEP1003.E2	17-SEP-2010	17:40:01.102
EGOI_100917MMEP5081.E2	17-SEP-2010	11:31:57.342
EGOI_100917MMEP5090.E2	17-SEP-2010	14:51:24.068
EGOI_100917MMEP5098.E2	17-SEP-2010	16:31:12.673
EGOI_100917MMEP5106.E2	17-SEP-2010	18:11:22.293
EGOI_100917MSEP9787.E2	17-SEP-2010	00:17:53.221
EGOI_100917MSEP9806.E2	17-SEP-2010	10:57:19.635
EGOI_100917MSEP9834.E2	17-SEP-2010	12:36:41.242
EGOI_100917MSEP9862.E2	17-SEP-2010	22:06:59.735
EGOI_100917SGEP8182.E2	17-SEP-2010	16:58:00.843

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80564	17-SEP-2010	07:22:36.882	07:24:22.823	105.94100
KS	80565	17-SEP-2010	09:02:08.794	09:04:20.436	131.64200
KS	80566	17-SEP-2010	10:41:45.616	10:44:00.047	134.43100
KS	80567	17-SEP-2010	12:21:08.468	12:23:21.655	133.18700
KS	80568	17-SEP-2010	14:00:02.227	14:02:19.264	137.03700
KS	80569	17-SEP-2010	15:38:03.115	15:40:24.369	141.25400
KS	80570	17-SEP-2010	17:15:52.304	17:18:09.967	137.66300
KS	80571	17-SEP-2010	18:54:01.406	18:56:01.561	120.15500
KS	80572	17-SEP-2010	20:33:42.478	20:35:23.176	100.69800
KS	80573	17-SEP-2010	22:15:27.382	22:17:10.300	102.91800
GS	80561	17-SEP-2010	02:02:10.723	02:03:43.362	92.639000
GS	80562	17-SEP-2010	03:41:32.709	03:43:06.474	93.765000
MS	80560	17-SEP-2010	00:15:58.651	00:17:53.220	114.56900
MS	80566	17-SEP-2010	10:55:03.360	10:57:19.634	136.27400
MS	80567	17-SEP-2010	12:34:29.074	12:36:41.242	132.16800

MS	80573	17-SEP-2010	22:05:19.135	22:06:59.734	100.59900
MS	80574	17-SEP-2010	23:43:39.330	23:45:49.842	130.51200
MA	80566	17-SEP-2010	10:49:55.177	10:51:30.079	94.902000
MI	80561	17-SEP-2010	02:00:06.475	02:02:02.855	116.38000
MI	80562	17-SEP-2010	03:36:07.042	03:39:06.447	179.40500
MI	80568	17-SEP-2010	14:21:14.638	14:22:55.389	100.75100
MI	80569	17-SEP-2010	15:56:15.541	16:02:12.497	356.95600
MI	80570	17-SEP-2010	17:38:02.795	17:40:01.101	118.30600
MM	80566	17-SEP-2010	11:30:53.021	11:31:57.341	64.320000
MM	80568	17-SEP-2010	14:50:21.691	14:51:24.068	62.377000
MM	80569	17-SEP-2010	16:29:42.148	16:31:12.672	90.524000
MM	80570	17-SEP-2010	18:08:51.113	18:11:22.293	151.18000
SG	80569	17-SEP-2010	16:55:47.669	16:58:00.842	133.17300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80560	17-SEP-2010	01:09:53.596	01:22:58.577	784.98100
MM	80560	17-SEP-2010	01:21:48.925	01:31:53.601	604.67600
BE	80561	17-SEP-2010	02:27:47.390	02:40:45.646	778.25600
MM	80561	17-SEP-2010	03:04:37.147	03:12:22.928	465.78100
SG	80561	17-SEP-2010	02:39:33.719	02:51:50.759	737.04000
CM	80561	17-SEP-2010	03:35:26.862	03:47:17.371	710.50900
BE	80562	17-SEP-2010	04:07:29.940	04:19:17.897	707.95700
MM	80562	17-SEP-2010	04:47:38.913	04:53:33.725	354.81200
SG	80562	17-SEP-2010	04:18:44.346	04:30:52.475	728.12900
MM	80563	17-SEP-2010	06:29:36.890	06:36:03.219	386.32900
CM	80563	17-SEP-2010	05:16:24.641	05:24:57.970	513.32900
MM	80564	17-SEP-2010	08:10:26.931	08:19:08.231	521.30000
JO	80564	17-SEP-2010	07:47:32.308	08:02:11.958	879.65000
MM	80565	17-SEP-2010	09:50:47.586	10:01:36.803	649.21700
JO	80565	17-SEP-2010	09:28:12.125	09:40:27.176	735.05100
MM	80567	17-SEP-2010	13:10:44.927	13:23:26.238	761.31100
HO	80568	17-SEP-2010	15:00:05.206	15:09:12.159	546.95300
GS	80568	17-SEP-2010	14:12:25.205	14:21:48.931	563.72600
SG	80568	17-SEP-2010	15:13:31.605	15:27:18.842	827.23700

BE	80569	17-SEP-2010	15:25:19.500	15:36:09.119	649.61900
GS	80569	17-SEP-2010	15:50:22.744	16:04:18.105	835.36100
SG	80569	17-SEP-2010	16:55:47.669	17:03:12.171	444.50200
CM	80569	17-SEP-2010	15:59:18.441	16:11:14.284	715.84300
GS	80570	17-SEP-2010	17:30:27.136	17:41:48.042	680.90600
CM	80570	17-SEP-2010	17:39:57.495	17:48:29.082	511.58700
MM	80571	17-SEP-2010	19:48:03.792	20:00:45.818	762.02600
MA	80571	17-SEP-2010	18:53:07.928	18:57:26.266	258.33800
JO	80571	17-SEP-2010	20:07:39.149	20:21:58.386	859.23700
MM	80572	17-SEP-2010	21:27:43.164	21:40:23.555	760.39100
MA	80572	17-SEP-2010	20:25:59.228	20:39:45.064	825.83600
JO	80572	17-SEP-2010	21:47:17.716	22:00:30.489	792.77300
HO	80573	17-SEP-2010	22:59:14.271	23:12:37.772	803.50100
MM	80573	17-SEP-2010	23:08:11.003	23:20:16.492	725.48900

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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	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

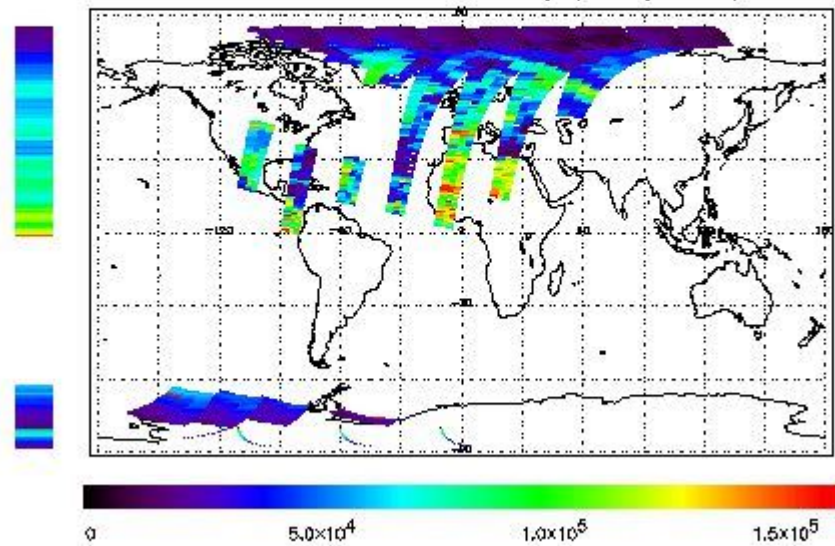
2.2 - Daily Plots

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 : 17-SEP-2010 00:17:53.221 : ORBIT : 80560.0204
 Last Product : 17-SEP-2010 22:29:55.375 : ORBIT : 80573.2615
 Total Products Processed : 14849 Day : 260 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

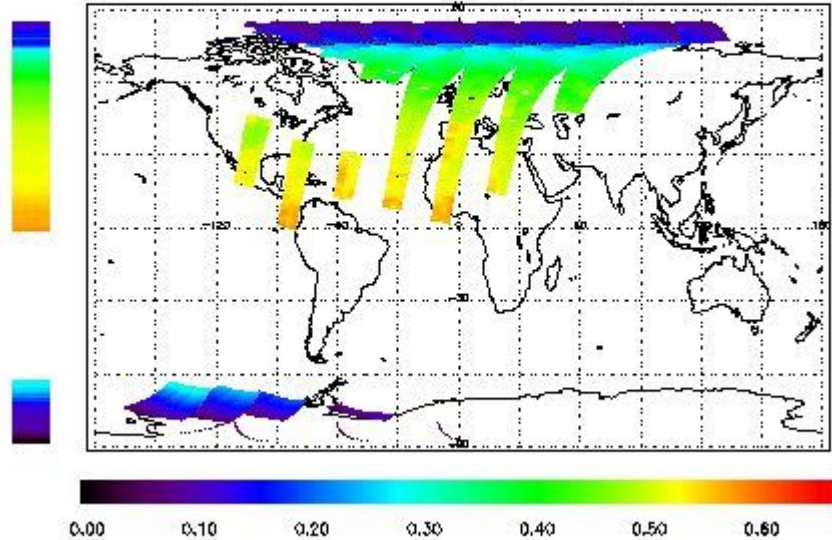
First Product : 17-SEP-2010 00:17:53.221 : ORBIT : 80560.0204

Last Product : 17-SEP-2010 22:29:55.375 : ORBIT : 80573.2615

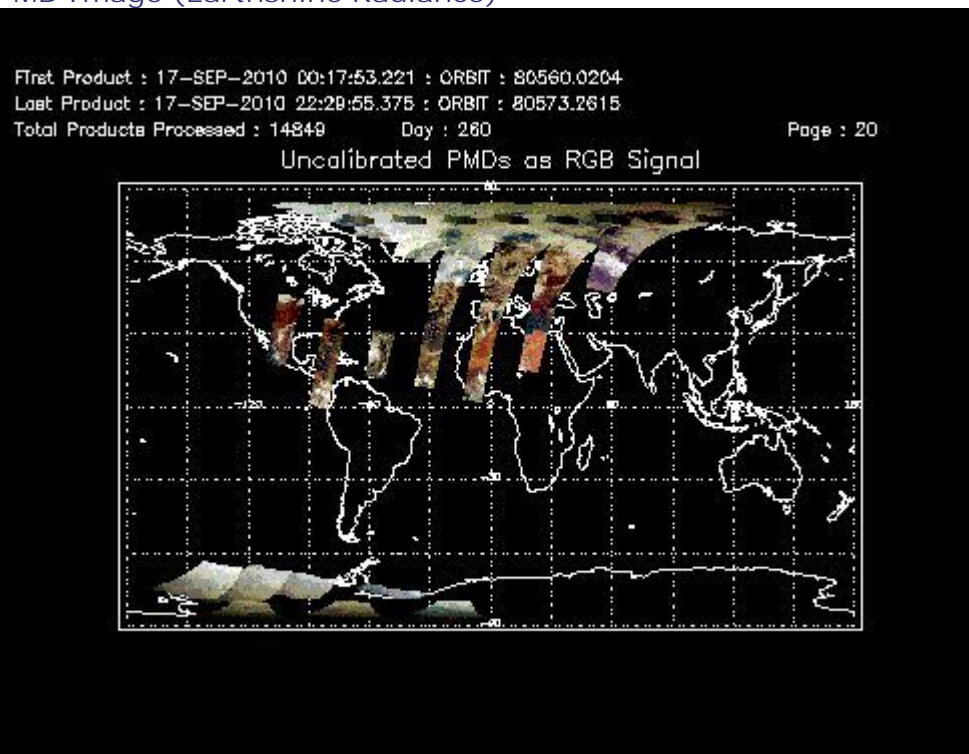
Total Products Processed : 14849 Day : 260

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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
--	--	--	--

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