

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-OCT-2010
Start Time of First Product	23:57:29 (28-Oct)
Stop Time of Last Product	23:49:41
Number of EGOI Products analysed	39
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_101029CMEP1221.E2	29-OCT-2010	03:17:52.580
EGOI_101029CMEP1228.E2	29-OCT-2010	04:59:53.210
EGOI_101029CMEP1236.E2	29-OCT-2010	15:41:36.170
EGOI_101029CMEP1248.E2	29-OCT-2010	17:21:11.290
EGOI_101029GSEP8203.E2	29-OCT-2010	01:44:34.008
EGOI_101029GSEP8235.E2	29-OCT-2010	03:23:09.111
EGOI_101029GSEP8244.E2	29-OCT-2010	05:06:08.251
EGOI_101029KSEP5891.E2	29-OCT-2010	07:04:38.980
EGOI_101029KSEP5909.E2	29-OCT-2010	08:44:36.598

EGOI_101029KSEP5934.E2	29-OCT-2010	10:24:16.211
EGOI_101029KSEP5956.E2	29-OCT-2010	12:03:46.825
EGOI_101029KSEP5969.E2	29-OCT-2010	13:42:44.441
EGOI_101029KSEP5994.E2	29-OCT-2010	15:21:18.045
EGOI_101029KSEP6021.E2	29-OCT-2010	16:58:44.148
EGOI_101029KSEP6052.E2	29-OCT-2010	18:36:43.252
EGOI_101029KSEP6077.E2	29-OCT-2010	20:15:33.363
EGOI_101029KSEP6105.E2	29-OCT-2010	21:56:48.990
EGOI_101029KSEP6128.E2	29-OCT-2010	23:40:40.629
EGOI_101029MAEP8983.E2	29-OCT-2010	08:52:15.642
EGOI_101029MAEP8995.E2	29-OCT-2010	10:31:44.756
EGOI_101029MAEP9013.E2	29-OCT-2010	20:08:57.320
EGOI_101029MIEP4571.E2	29-OCT-2010	03:18:36.084
EGOI_101029MIEP4595.E2	29-OCT-2010	05:00:47.214
EGOI_101029MIEP4614.E2	29-OCT-2010	15:38:48.154
EGOI_101029MMEP7633.E2	29-OCT-2010	01:02:44.246
EGOI_101029MMEP7639.E2	29-OCT-2010	02:45:07.376
EGOI_101029MMEP7650.E2	29-OCT-2010	11:12:24.012
EGOI_101029MMEP7656.E2	29-OCT-2010	12:52:17.128
EGOI_101029MMEP7666.E2	29-OCT-2010	14:31:56.738
EGOI_101029MMEP7675.E2	29-OCT-2010	17:51:36.978
EGOI_101029MSEP4536.E2	28-OCT-2010	23:57:28.842
EGOI_101029MSEP4554.E2	29-OCT-2010	10:38:22.301
EGOI_101029MSEP4583.E2	29-OCT-2010	12:16:52.912
EGOI_101029MSEP4612.E2	29-OCT-2010	21:48:15.939
EGOI_101029MSEP4644.E2	29-OCT-2010	23:25:40.539
EGOI_101029SGEP8982.E2	29-OCT-2010	02:24:56.751
EGOI_101029SGEP8987.E2	29-OCT-2010	04:04:51.374
EGOI_101029SGEP8995.E2	29-OCT-2010	14:58:19.408
EGOI_101029SGEP9002.E2	29-OCT-2010	16:37:00.515

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81165	29-OCT-2010	07:02:46.140	07:04:38.979	112.83900
KS	81166	29-OCT-2010	08:42:13.255	08:44:36.598	143.34300
KS	81167	29-OCT-2010	10:21:50.826	10:24:16.210	145.38400
KS	81168	29-OCT-2010	12:01:17.871	12:03:46.824	148.95300
KS	81169	29-OCT-2010	13:40:16.119	13:42:44.440	148.32100
KS	81170	29-OCT-2010	15:18:30.490	15:21:18.044	167.55400
KS	81171	29-OCT-2010	16:56:11.974	16:58:44.148	152.17400
KS	81172	29-OCT-2010	18:34:16.739	18:36:43.252	146.51300

KS	81173	29-OCT-2010	20:13:37.579	20:15:33.362	115.78300
KS	81174	29-OCT-2010	21:54:54.466	21:56:48.989	114.52300
KS	81175	29-OCT-2010	23:38:58.617	23:40:40.628	102.01100
GS	81162	29-OCT-2010	01:42:50.096	01:44:34.008	103.91200
GS	81163	29-OCT-2010	03:21:18.245	03:23:09.111	110.86600
MS	81161	28-OCT-2010	23:55:18.551	23:57:28.841	130.29000
MS	81167	29-OCT-2010	10:35:51.967	10:38:22.300	150.33300
MS	81168	29-OCT-2010	12:14:24.036	12:16:52.911	148.87500
MS	81175	29-OCT-2010	23:23:29.061	23:25:40.538	131.47700
MA	81167	29-OCT-2010	10:29:51.978	10:31:44.755	112.77700
MA	81173	29-OCT-2010	20:06:25.510	20:08:57.319	151.80900
MI	81170	29-OCT-2010	15:36:31.192	15:38:48.153	136.96100
MM	81161	29-OCT-2010	01:01:21.569	01:02:44.245	82.676000
MM	81162	29-OCT-2010	02:44:00.278	02:45:07.375	67.097000
MM	81167	29-OCT-2010	11:10:52.992	11:12:24.012	91.020000
MM	81168	29-OCT-2010	12:50:47.694	12:52:17.128	89.434000
MM	81169	29-OCT-2010	14:30:27.644	14:31:56.738	89.094000
MM	81171	29-OCT-2010	17:49:01.665	17:51:36.977	155.31200
SG	81162	29-OCT-2010	02:20:41.209	02:24:56.750	255.54100
SG	81163	29-OCT-2010	03:58:21.752	04:04:51.373	389.62100
SG	81169	29-OCT-2010	14:53:59.841	14:58:19.408	259.56700
SG	81170	29-OCT-2010	16:34:24.470	16:37:00.514	156.04400
CM	81163	29-OCT-2010	03:16:14.250	03:17:52.580	98.330000
CM	81170	29-OCT-2010	15:39:57.085	15:41:36.169	99.084000
CM	81171	29-OCT-2010	17:19:14.231	17:21:11.290	117.05900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81161	29-OCT-2010	00:49:31.324	01:03:24.491	833.16700
KS	81161	29-OCT-2010	00:12:47.625	00:16:50.241	242.61600
BE	81162	29-OCT-2010	02:08:10.116	02:20:23.842	733.72600
MI	81162	29-OCT-2010	01:43:03.306	01:46:00.466	177.16000
BE	81163	29-OCT-2010	03:47:22.063	04:00:00.552	758.48900
MM	81163	29-OCT-2010	04:27:05.371	04:33:14.043	368.67200
MM	81164	29-OCT-2010	06:09:20.183	06:15:27.600	367.41700

MM	81165	29-OCT-2010	07:50:20.134	07:58:32.553	492.41900
JO	81165	29-OCT-2010	07:28:08.446	07:42:04.945	836.49900
MM	81166	29-OCT-2010	09:30:44.855	09:41:11.807	626.95200
JO	81166	29-OCT-2010	09:07:30.633	09:21:11.853	821.22000
HO	81167	29-OCT-2010	11:21:21.069	11:31:59.543	638.47400
HO	81168	29-OCT-2010	12:59:23.290	13:14:12.704	889.41400
HO	81169	29-OCT-2010	14:39:42.820	14:50:47.519	664.69900
SG	81169	29-OCT-2010	14:53:59.841	15:07:12.235	792.39400
BE	81170	29-OCT-2010	15:04:37.742	15:16:44.137	726.39500
MM	81170	29-OCT-2010	16:09:51.276	16:22:25.466	754.19000
GS	81170	29-OCT-2010	15:30:33.225	15:44:16.327	823.10200
MI	81171	29-OCT-2010	17:17:02.505	17:26:53.608	591.10300
GS	81171	29-OCT-2010	17:10:18.415	17:22:39.846	741.43100
MM	81172	29-OCT-2010	19:28:11.891	19:40:52.270	760.37900
JO	81172	29-OCT-2010	19:48:13.193	20:01:30.713	797.52000
MM	81173	29-OCT-2010	21:07:44.026	21:20:26.717	762.69100
JO	81173	29-OCT-2010	21:27:04.191	21:41:17.420	853.22900
HO	81174	29-OCT-2010	22:39:46.747	22:52:34.711	767.96400
MM	81174	29-OCT-2010	22:48:00.731	23:00:16.793	736.06200
MA	81174	29-OCT-2010	21:47:01.223	21:58:48.511	707.28800

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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

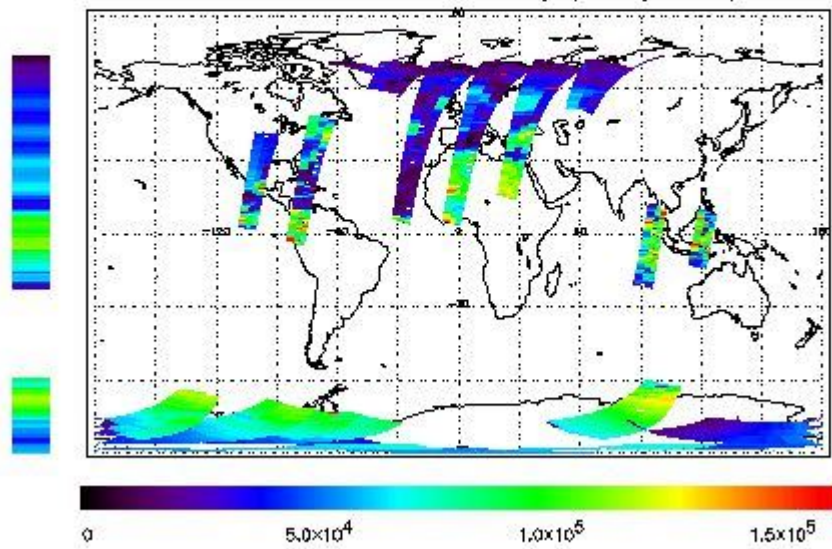
2.2 - Daily Plots

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 : 28-OCT-2010 23:57:28.842 : ORBIT : 81161.0176
 Last Product : 29-OCT-2010 23:49:40.683 : ORBIT : 81175.2543
 Total Products Processed : 19033 Day : 302 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

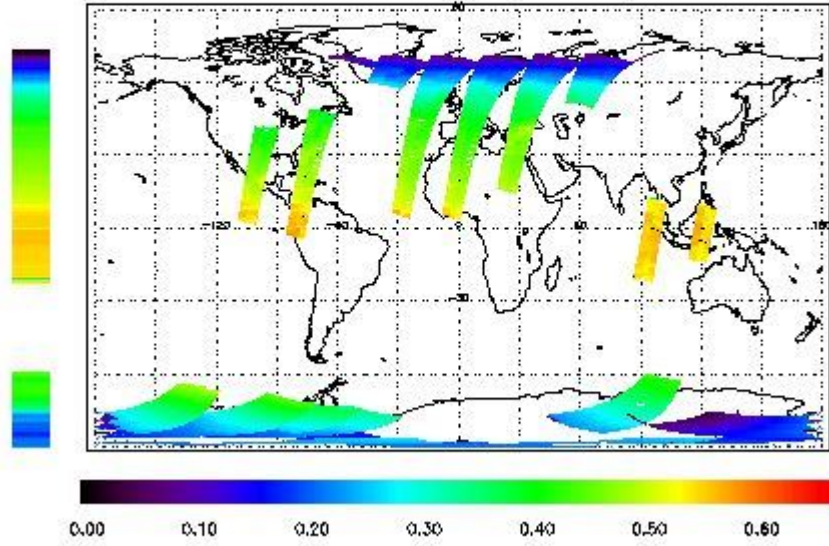


Ozone Line Ratio

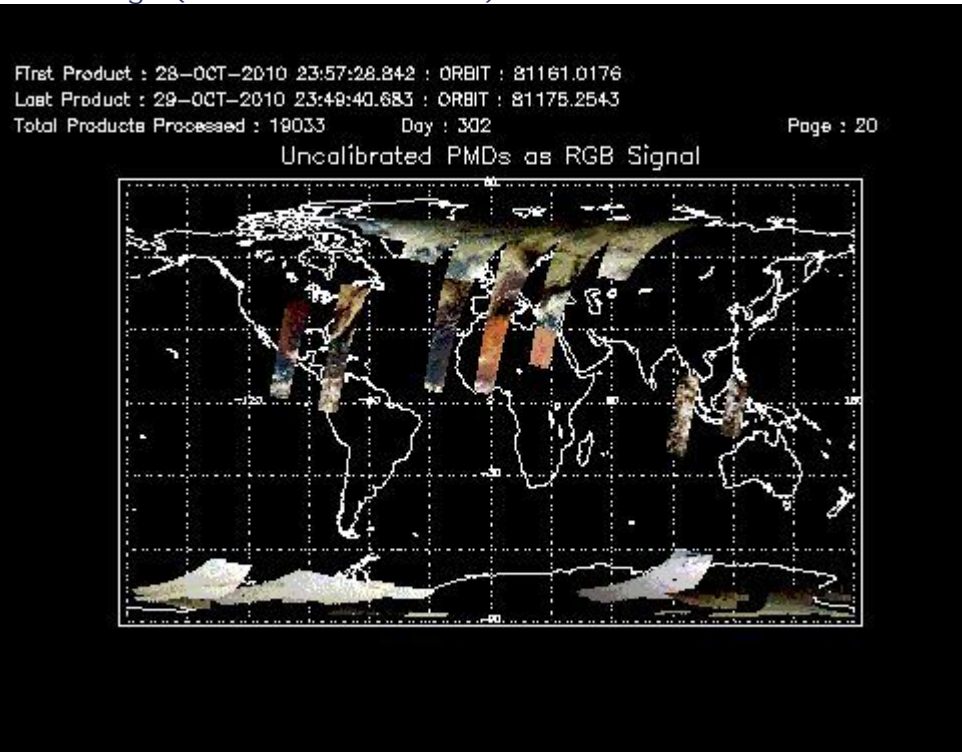
First Product : 28-OCT-2010 23:57:28.842 : ORBIT : 81161.0176
 Last Product : 29-OCT-2010 23:49:40.683 : ORBIT : 81175.2543
 Total Products Processed : 19033 Day : 302

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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)
D	--	--	--	Yes	--	--

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)
--	--	--	--	--	--	--	--

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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