

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-OCT-2010
Start Time of First Product	23:43:29 (27-Oct)
Stop Time of Last Product	22:41:31
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	Quarterly calibration executed during orbits 81154-81159, 12:30-21:00; Nadir Static View, orbits: 81152-81153

1.2 - List of received products

Name	Date	Time
EGOI_101028CMEP1197.E2	28-OCT-2010	05:30:11.505
EGOI_101028CMEP1203.E2	28-OCT-2010	16:11:58.963
EGOI_101028CMEP1214.E2	28-OCT-2010	17:53:11.587
EGOI_101028GSEP8140.E2	28-OCT-2010	02:15:04.307
EGOI_101028GSEP8167.E2	28-OCT-2010	03:55:10.926
EGOI_101028GSEP8175.E2	28-OCT-2010	05:37:44.554
EGOI_101028HLEP8273.E2	27-OCT-2010	23:43:28.874
EGOI_101028KSEP5653.E2	28-OCT-2010	07:35:55.779
EGOI_101028KSEP5672.E2	28-OCT-2010	09:15:56.393

EGOI_101028KSEP5697.E2	28-OCT-2010	10:55:34.512
EGOI_101028KSEP5722.E2	28-OCT-2010	12:34:54.619
EGOI_101028KSEP5747.E2	28-OCT-2010	14:13:50.734
EGOI_101028KSEP5758.E2	28-OCT-2010	15:51:40.833
EGOI_101028KSEP5785.E2	28-OCT-2010	17:29:36.942
EGOI_101028KSEP5817.E2	28-OCT-2010	19:07:27.046
EGOI_101028KSEP5848.E2	28-OCT-2010	20:47:06.665
EGOI_101028KSEP5874.E2	28-OCT-2010	22:29:08.797
EGOI_101028MAEP8944.E2	28-OCT-2010	09:23:03.944
EGOI_101028MAEP8955.E2	28-OCT-2010	11:03:09.055
EGOI_101028MAEP8970.E2	28-OCT-2010	22:21:13.246
EGOI_101028MIEP4490.E2	28-OCT-2010	03:50:31.898
EGOI_101028MIEP4510.E2	28-OCT-2010	14:33:07.348
EGOI_101028MIEP4536.E2	28-OCT-2010	16:09:57.451
EGOI_101028MIEP4548.E2	28-OCT-2010	17:52:34.088
EGOI_101028MMEP7587.E2	28-OCT-2010	01:34:49.056
EGOI_101028MMEP7594.E2	28-OCT-2010	03:17:22.687
EGOI_101028MMEP7604.E2	28-OCT-2010	08:26:41.096
EGOI_101028MMEP7611.E2	28-OCT-2010	11:43:54.305
EGOI_101028MMEP7619.E2	28-OCT-2010	13:23:36.921
EGOI_101028MSEP4435.E2	28-OCT-2010	00:29:47.164
EGOI_101028MSEP4453.E2	28-OCT-2010	11:08:46.591
EGOI_101028MSEP4480.E2	28-OCT-2010	12:48:30.702
EGOI_101028MSEP4507.E2	28-OCT-2010	22:18:05.727
EGOI_101028SGEP8946.E2	28-OCT-2010	02:52:49.538
EGOI_101028SGEP8954.E2	28-OCT-2010	04:32:41.153
EGOI_101028SGEP8961.E2	28-OCT-2010	13:52:32.601
EGOI_101028SGEP8968.E2	28-OCT-2010	15:27:01.685
EGOI_101028SGEP8974.E2	28-OCT-2010	17:12:20.332

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81151	28-OCT-2010	07:33:58.190	07:35:55.778	117.58800
KS	81152	28-OCT-2010	09:13:32.030	09:15:56.393	144.36300
KS	81153	28-OCT-2010	10:53:08.113	10:55:34.511	146.39800
KS	81154	28-OCT-2010	12:32:28.233	12:34:54.619	146.38600
KS	81155	28-OCT-2010	14:11:20.852	14:13:50.734	149.88200
KS	81156	28-OCT-2010	15:49:13.280	15:51:40.832	147.55200
KS	81157	28-OCT-2010	17:27:07.317	17:29:36.941	149.62400
KS	81158	28-OCT-2010	19:05:19.882	19:07:27.045	127.16300
KS	81159	28-OCT-2010	20:45:13.181	20:47:06.665	113.48400

KS	81160	28-OCT-2010	22:27:14.980	22:29:08.796	113.81600
GS	81148	28-OCT-2010	02:13:44.245	02:15:04.306	80.061000
GS	81149	28-OCT-2010	03:53:12.550	03:55:10.926	118.37600
MS	81147	28-OCT-2010	00:27:59.640	00:29:47.164	107.52400
MS	81153	28-OCT-2010	11:06:16.454	11:08:46.590	150.13600
MS	81154	28-OCT-2010	12:46:07.458	12:48:30.702	143.24400
MS	81160	28-OCT-2010	22:16:13.189	22:18:05.726	112.53700
MS	81161	28-OCT-2010	23:55:18.551	23:57:28.841	130.29000
MA	81152	28-OCT-2010	09:21:42.944	09:23:03.943	80.999000
MA	81153	28-OCT-2010	11:01:59.394	11:03:09.055	69.661000
MI	81149	28-OCT-2010	03:47:33.380	03:50:31.897	178.51700
MI	81155	28-OCT-2010	14:31:02.333	14:33:07.348	125.01500
MI	81156	28-OCT-2010	16:07:36.935	16:09:57.451	140.51600
MI	81157	28-OCT-2010	17:50:37.000	17:52:34.088	117.08800
MM	81147	28-OCT-2010	01:33:31.362	01:34:49.056	77.694000
MM	81151	28-OCT-2010	08:21:56.033	08:26:41.096	285.06300
MM	81153	28-OCT-2010	11:42:18.511	11:43:54.305	95.794000
MM	81154	28-OCT-2010	13:22:08.794	13:23:36.921	88.127000
SG	81148	28-OCT-2010	02:50:32.520	02:52:49.538	137.01800
SG	81149	28-OCT-2010	04:30:32.871	04:32:41.152	128.28100
SG	81155	28-OCT-2010	15:24:48.382	15:27:01.685	133.30300
SG	81155	28-OCT-2010	15:30:27.207	15:38:41.503	494.29600
CM	81150	28-OCT-2010	05:28:48.354	05:30:11.504	83.150000
CM	81156	28-OCT-2010	16:10:29.863	16:11:58.962	89.099000
CM	81157	28-OCT-2010	17:52:06.471	17:53:11.587	65.116000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	81146	27-OCT-2010	23:51:33.079	00:03:09.035	695.95600
HO	81147	28-OCT-2010	01:21:35.980	01:34:05.741	749.76100
BE	81148	28-OCT-2010	02:39:03.685	02:52:17.254	793.56900
MI	81148	28-OCT-2010	02:10:33.306	02:20:02.945	569.63900
CM	81148	28-OCT-2010	03:46:34.649	03:58:46.720	732.07100
BE	81149	28-OCT-2010	04:19:03.295	04:30:12.829	669.53400
MM	81149	28-OCT-2010	04:59:22.525	05:05:12.271	349.74600

MM	81150	28-OCT-2010	06:41:10.869	06:47:49.990	399.12100
KS	81150	28-OCT-2010	05:55:25.697	05:59:51.165	265.46800
JO	81150	28-OCT-2010	06:24:28.247	06:31:10.047	401.80000
JO	81151	28-OCT-2010	07:58:43.930	08:13:37.789	893.85900
MM	81152	28-OCT-2010	10:02:14.599	10:13:15.639	661.04000
JO	81152	28-OCT-2010	09:40:13.468	09:51:17.565	664.09700
BE	81155	28-OCT-2010	13:55:39.820	14:09:01.523	801.70300
HO	81155	28-OCT-2010	15:11:46.179	15:20:07.175	500.99600
MM	81155	28-OCT-2010	15:01:43.701	15:14:24.079	760.37800
GS	81155	28-OCT-2010	14:23:23.083	14:33:54.858	631.77500
BE	81156	28-OCT-2010	15:37:19.777	15:47:07.322	587.54500
MM	81156	28-OCT-2010	16:41:02.418	16:53:34.714	752.29600
GS	81156	28-OCT-2010	16:01:44.306	16:15:39.976	835.67000
MM	81157	28-OCT-2010	18:20:10.842	18:32:45.036	754.19400
GS	81157	28-OCT-2010	17:42:00.279	17:52:38.449	638.17000
MM	81158	28-OCT-2010	19:59:25.345	20:12:08.149	762.80400
MA	81158	28-OCT-2010	19:03:23.960	19:08:50.710	326.75000
JO	81158	28-OCT-2010	20:18:50.944	20:33:32.235	881.29100
MM	81159	28-OCT-2010	21:39:09.258	21:51:47.740	758.48200
MA	81159	28-OCT-2010	20:37:14.900	20:50:54.838	819.93800
JO	81159	28-OCT-2010	21:58:56.323	22:11:21.166	744.84300
HO	81160	28-OCT-2010	23:10:12.850	23:24:04.418	831.56800
MM	81160	28-OCT-2010	23:19:43.724	23:31:42.271	718.54700

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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

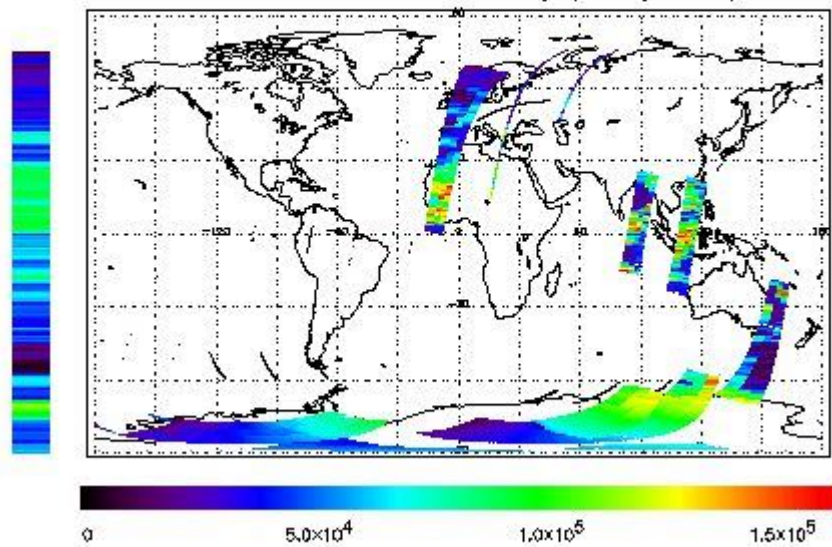
2.2 - Daily Plots

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 : 27-OCT-2010 23:43:28.874 : ORBIT : 81146.5641
 Last Product : 28-OCT-2010 22:41:31.371 : ORBIT : 81160.2625
 Total Products Processed : 17178 Day : 301 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

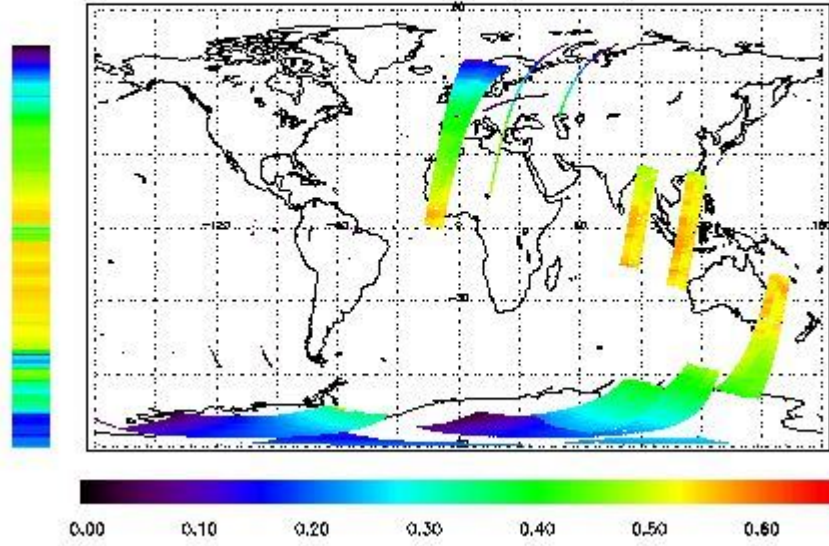


Ozone Line Ratio

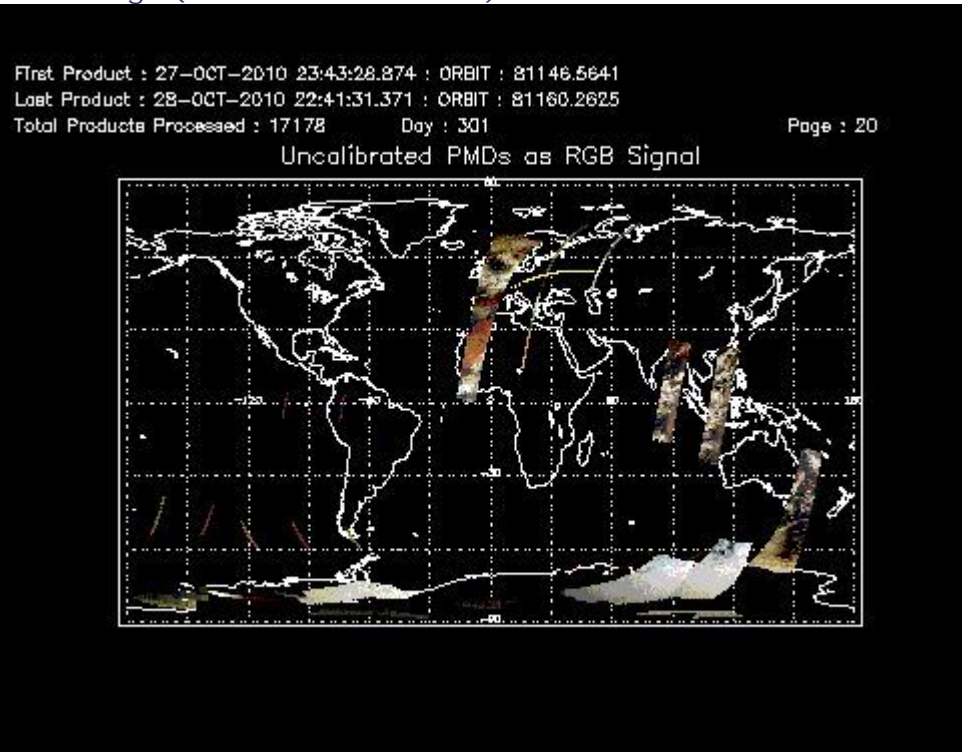
First Product : 27-OCT-2010 23:43:28.874 : ORBIT : 81146.5641
 Last Product : 28-OCT-2010 22:41:31.371 : ORBIT : 81160.2625
 Total Products Processed : 17178 Day : 301

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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	10:58:30.027	--	81153	Yes	--	15468

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)
Q	12:41:23	12:48:26	81154	No End	--	181.0	--
Q	13:24:23	13:34:22	81154	Yes	--	182.0	--

Q	13:52:33	13:52:55	81155	No Start	--	182.0	--
Q	14:22:36	14:25:42	81155	No End	--	183.0	--
Q	16:02:00	16:03:57	81156	No End	--	181.5	--
Q	16:09:54	16:12:33	81156	No Start	--	181.5	--
Q	17:12:20	17:15:16	81157	No Start	--	--	268
Q	17:29:37	17:30:58	81157	No Start	--	--	269
Q	17:22:34	17:53:10	81157	No Start	--	--	270
Q	19:07:27	19:11:30	81158	No Start	--	--	271
Q	20:47:07	20:52:07	81159	No Start	--	--	272

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

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
--	--	--	--	--

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
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