

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-JUN-2010
Start Time of First Product	00:29:11
Stop Time of Last Product	23:33:30
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100610BEEP2987.E2	10-JUN-2010	02:40:43.365
EGOI_100610BEEP2993.E2	10-JUN-2010	04:20:42.470
EGOI_100610GSEP8181.E2	10-JUN-2010	02:14:16.205
EGOI_100610GSEP8206.E2	10-JUN-2010	03:54:24.318
EGOI_100610GSEP8213.E2	10-JUN-2010	05:36:59.439
EGOI_100610KSEP2492.E2	10-JUN-2010	07:35:09.157
EGOI_100610KSEP2511.E2	10-JUN-2010	09:15:06.767
EGOI_100610KSEP2536.E2	10-JUN-2010	10:54:44.874
EGOI_100610KSEP2560.E2	10-JUN-2010	12:34:04.980

EGOI_100610KSEP2585.E2	10-JUN-2010	14:13:01.083
EGOI_100610KSEP2600.E2	10-JUN-2010	15:50:51.182
EGOI_100610KSEP2627.E2	10-JUN-2010	17:28:48.780
EGOI_100610KSEP2648.E2	10-JUN-2010	19:06:40.376
EGOI_100610KSEP2678.E2	10-JUN-2010	20:46:19.982
EGOI_100610KSEP2701.E2	10-JUN-2010	22:28:23.609
EGOI_100610MAEP3130.E2	10-JUN-2010	09:22:24.810
EGOI_100610MAEP3140.E2	10-JUN-2010	11:02:25.420
EGOI_100610MAEP3146.E2	10-JUN-2010	19:06:41.876
EGOI_100610MAEP3161.E2	10-JUN-2010	22:20:29.562
EGOI_100610MMEP9624.E2	10-JUN-2010	01:34:00.959
EGOI_100610MMEP9631.E2	10-JUN-2010	03:16:34.588
EGOI_100610MMEP9639.E2	10-JUN-2010	04:59:14.209
EGOI_100610MMEP9646.E2	10-JUN-2010	06:41:13.329
EGOI_100610MMEP9655.E2	10-JUN-2010	10:02:52.056
EGOI_100610MMEP9669.E2	10-JUN-2010	20:00:36.208
EGOI_100610MMEP9677.E2	10-JUN-2010	21:41:02.319
EGOI_100610MMEP9685.E2	10-JUN-2010	23:20:38.926
EGOI_100610MSEP8382.E2	10-JUN-2010	00:29:11.063
EGOI_100610MSEP8402.E2	10-JUN-2010	11:07:59.953
EGOI_100610MSEP8429.E2	10-JUN-2010	12:47:44.063
EGOI_100610MSEP8455.E2	10-JUN-2010	22:17:17.542
EGOI_100610SGEP6176.E2	10-JUN-2010	02:57:49.466
EGOI_100610SGEP6182.E2	10-JUN-2010	04:34:53.056
EGOI_100610SGEP6190.E2	10-JUN-2010	13:51:50.458
EGOI_100610SGEP6196.E2	10-JUN-2010	15:26:15.034
EGOI_100610SGEP6204.E2	10-JUN-2010	17:11:32.179

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79147	10-JUN-2010	07:33:58.190	07:35:09.157	70.967000
KS	79148	10-JUN-2010	09:13:32.030	09:15:06.767	94.737000
KS	79149	10-JUN-2010	10:53:08.113	10:54:44.874	96.761000
KS	79150	10-JUN-2010	12:32:28.232	12:34:04.980	96.748000
KS	79151	10-JUN-2010	14:11:20.851	14:13:01.082	100.23100
KS	79152	10-JUN-2010	15:49:13.279	15:50:51.181	97.902000
KS	79153	10-JUN-2010	17:27:07.316	17:28:48.780	101.46400
KS	79154	10-JUN-2010	19:05:19.882	19:06:40.375	80.493000
KS	79155	10-JUN-2010	20:45:13.181	20:46:19.982	66.801000
KS	79156	10-JUN-2010	22:27:14.980	22:28:23.609	68.629000
GS	79145	10-JUN-2010	03:53:12.549	03:54:24.318	71.769000

MS	79143	10-JUN-2010	00:27:59.639	00:29:11.063	71.424000
MS	79149	10-JUN-2010	11:06:16.454	11:07:59.953	103.49900
MS	79150	10-JUN-2010	12:46:07.457	12:47:44.063	96.606000
MS	79156	10-JUN-2010	22:16:13.189	22:17:17.541	64.352000
MS	79157	10-JUN-2010	23:55:18.550	23:56:39.145	80.595000
MA	79154	10-JUN-2010	19:03:23.960	19:06:41.876	197.91600
MM	79154	10-JUN-2010	19:59:25.345	20:00:36.208	70.863000
MM	79155	10-JUN-2010	21:39:09.258	21:41:02.319	113.06100
BE	79144	10-JUN-2010	02:39:03.684	02:40:43.364	99.680000
BE	79145	10-JUN-2010	04:19:03.294	04:20:42.470	99.176000
SG	79144	10-JUN-2010	02:50:32.519	02:57:49.466	436.94700
SG	79145	10-JUN-2010	04:30:32.870	04:34:53.056	260.18600
SG	79151	10-JUN-2010	15:24:48.381	15:26:15.033	86.652000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	79142	09-JUN-2010	23:51:33.079	00:03:09.035	695.95600
HO	79143	10-JUN-2010	01:21:35.979	01:34:05.740	749.76100
MI	79144	10-JUN-2010	02:10:33.305	02:20:02.944	569.63900
CM	79144	10-JUN-2010	03:46:34.648	03:58:46.719	732.07100
MI	79145	10-JUN-2010	03:47:33.379	04:00:44.763	791.38400
KS	79146	10-JUN-2010	05:55:25.696	05:59:51.164	265.46800
CM	79146	10-JUN-2010	05:28:48.353	05:35:21.596	393.24300
JO	79146	10-JUN-2010	06:24:28.246	06:31:10.046	401.80000
MM	79147	10-JUN-2010	08:21:56.033	08:30:53.623	537.59000
JO	79147	10-JUN-2010	07:58:43.930	08:13:37.789	893.85900
JO	79148	10-JUN-2010	09:40:13.468	09:51:17.565	664.09700
MM	79149	10-JUN-2010	11:42:18.511	11:54:33.822	735.31100
MM	79150	10-JUN-2010	13:22:08.793	13:34:51.309	762.51600
BE	79151	10-JUN-2010	13:55:39.819	14:09:01.522	801.70300
HO	79151	10-JUN-2010	15:11:46.178	15:20:07.174	500.99600
MM	79151	10-JUN-2010	15:01:43.700	15:14:24.078	760.37800
MI	79151	10-JUN-2010	14:31:02.332	14:38:14.669	432.33700
GS	79151	10-JUN-2010	14:23:23.082	14:33:54.857	631.77500
BE	79152	10-JUN-2010	15:37:19.776	15:47:07.321	587.54500

MM	79152	10-JUN-2010	16:41:02.417	16:53:34.713	752.29600
MI	79152	10-JUN-2010	16:07:36.934	16:20:57.435	800.50100
GS	79152	10-JUN-2010	16:01:44.305	16:15:39.975	835.67000
CM	79152	10-JUN-2010	16:10:29.862	16:22:45.379	735.51700
MM	79153	10-JUN-2010	18:20:10.841	18:32:45.035	754.19400
MI	79153	10-JUN-2010	17:50:36.999	17:54:53.707	256.70800
GS	79153	10-JUN-2010	17:42:00.278	17:52:38.448	638.17000
CM	79153	10-JUN-2010	17:52:06.470	17:58:48.458	401.98800
JO	79154	10-JUN-2010	20:18:50.944	20:33:32.235	881.29100
MA	79155	10-JUN-2010	20:37:14.900	20:50:54.838	819.93800
JO	79155	10-JUN-2010	21:58:56.323	22:11:21.166	744.84300
HO	79156	10-JUN-2010	23:10:12.850	23:24:04.418	831.56800

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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

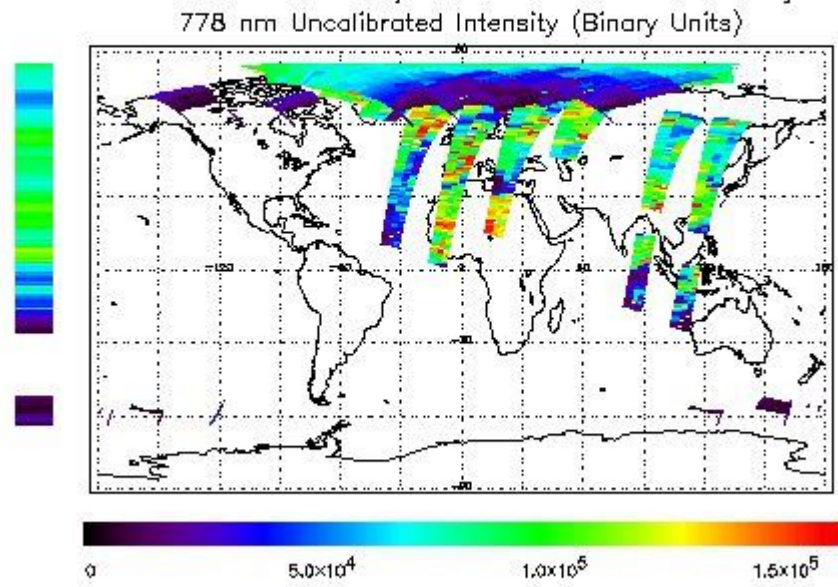
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

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

First Product : 10-JUN-2010 00:29:11.063 : ORBIT : 79143.0184
 Last Product : 10-JUN-2010 23:33:30.004 : ORBIT : 79156.7792
 Total Products Processed : 18439 Day : 181 Page : 21

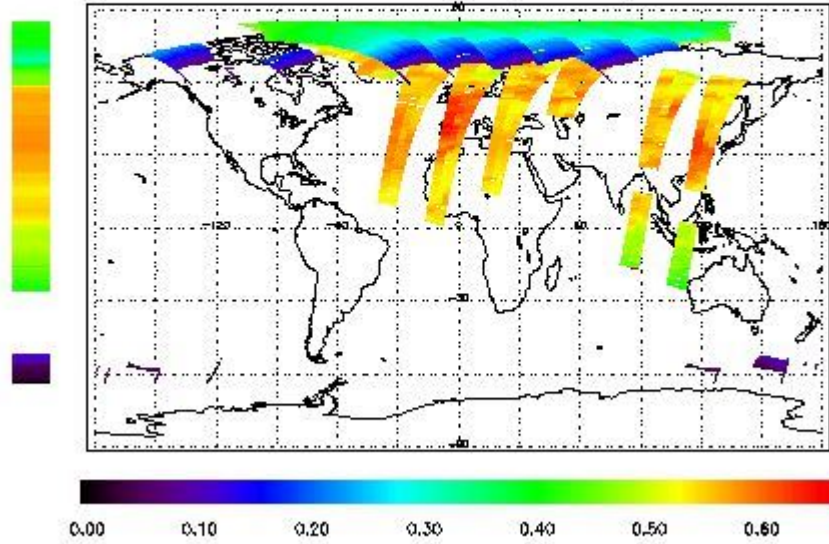


Ozone Line Ratio

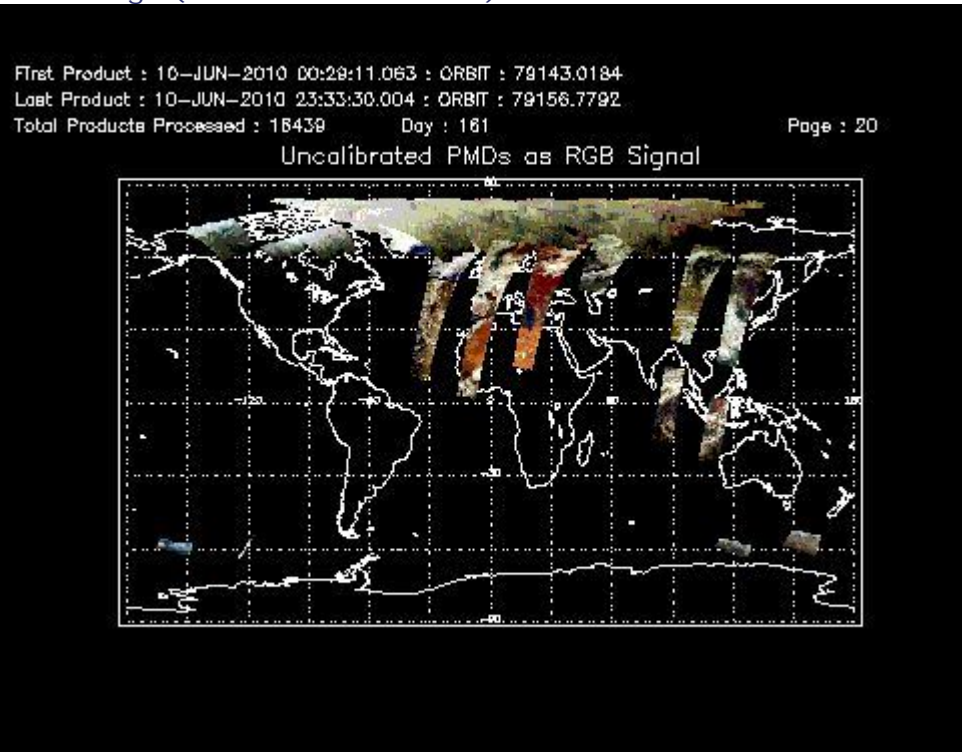
First Product : 10-JUN-2010 00:29:11.063 : ORBIT : 79143.0184
 Last Product : 10-JUN-2010 23:33:30.004 : ORBIT : 79156.7792
 Total Products Processed : 18439 Day : 161

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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	17:29:18.780	--	79153	Yes	--	14620

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