

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-JUN-2011
Start Time of First Product	00:23:49
Stop Time of Last Product	22:33:53
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 84306

1.2 - List of received products

Name	Date	Time
EGOI_110605CMEP7153.E2	05-JUN-2011	03:42:24.764
EGOI_110605CMEP7159.E2	05-JUN-2011	05:23:04.374
EGOI_110605CMEP7168.E2	05-JUN-2011	16:05:11.301
EGOI_110605CMEP7178.E2	05-JUN-2011	17:45:29.911
EGOI_110605GSEP3813.E2	05-JUN-2011	00:34:07.111
EGOI_110605GSEP3820.E2	05-JUN-2011	02:18:34.749
EGOI_110605GSEP3825.E2	05-JUN-2011	03:54:38.335
EGOI_110605GSEP3834.E2	05-JUN-2011	05:31:20.926
EGOI_110605KSEP5489.E2	05-JUN-2011	07:29:32.153

EGOI_110605KSEP5519.E2	05-JUN-2011	09:09:23.760
EGOI_110605KSEP5542.E2	05-JUN-2011	10:48:58.869
EGOI_110605KSEP5568.E2	05-JUN-2011	12:28:08.475
EGOI_110605KSEP5582.E2	05-JUN-2011	14:07:01.578
EGOI_110605KSEP5604.E2	05-JUN-2011	15:44:45.676
EGOI_110605KSEP5617.E2	05-JUN-2011	17:22:34.275
EGOI_110605KSEP5641.E2	05-JUN-2011	19:00:46.877
EGOI_110605KSEP5659.E2	05-JUN-2011	20:39:44.479
EGOI_110605KSEP5679.E2	05-JUN-2011	22:21:19.604
EGOI_110605MAEP8677.E2	05-JUN-2011	10:56:28.916
EGOI_110605MAEP8693.E2	05-JUN-2011	22:13:28.553
EGOI_110605MIEP4268.E2	05-JUN-2011	02:07:09.179
EGOI_110605MIEP4290.E2	05-JUN-2011	03:43:45.772
EGOI_110605MIEP4309.E2	05-JUN-2011	14:26:51.200
EGOI_110605MIEP4336.E2	05-JUN-2011	16:03:20.293
EGOI_110605MIEP4359.E2	05-JUN-2011	17:44:40.407
EGOI_110605MMEP0344.E2	05-JUN-2011	03:11:02.069
EGOI_110605MMEP0353.E2	05-JUN-2011	04:53:37.194
EGOI_110605MMEP0361.E2	05-JUN-2011	06:35:30.315
EGOI_110605MSEP0127.E2	05-JUN-2011	00:23:49.053
EGOI_110605MSEP0155.E2	05-JUN-2011	11:02:10.952
EGOI_110605MSEP0182.E2	05-JUN-2011	12:41:32.557
EGOI_110605MSEP0205.E2	05-JUN-2011	22:11:04.541
EGOI_110605SGEP3669.E2	05-JUN-2011	02:47:24.429
EGOI_110605SGEP3676.E2	05-JUN-2011	04:26:14.526
EGOI_110605SGEP3682.E2	05-JUN-2011	17:03:07.154

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84296	05-JUN-2011	01:06:59.629	01:20:11.189	791.56000
MM	84296	05-JUN-2011	01:18:53.438	01:29:01.654	608.21600
BE	84297	05-JUN-2011	02:24:58.691	02:37:52.033	773.34200
CM	84297	05-JUN-2011	03:32:40.892	03:44:24.304	703.41200
BE	84298	05-JUN-2011	04:04:36.986	04:16:33.405	716.41900
MI	84299	05-JUN-2011	05:18:28.214	05:21:00.786	152.57200
MM	84300	05-JUN-2011	08:07:34.603	08:16:11.798	517.19500
JO	84300	05-JUN-2011	07:44:45.127	07:59:20.073	874.94600

MM	84301	05-JUN-2011	09:47:55.805	09:58:41.962	646.15700
MA	84301	05-JUN-2011	09:07:51.895	09:20:22.294	750.39900
JO	84301	05-JUN-2011	09:25:13.316	09:37:43.296	749.98000
MM	84302	05-JUN-2011	11:28:01.622	11:40:09.476	727.85400
MM	84303	05-JUN-2011	13:07:53.931	13:20:34.876	760.94500
HO	84304	05-JUN-2011	14:57:09.859	15:06:27.822	557.96300
MM	84304	05-JUN-2011	14:47:31.155	15:00:12.741	761.58600
GS	84304	05-JUN-2011	14:09:41.976	14:18:45.795	543.81900
SG	84304	05-JUN-2011	15:10:43.201	15:24:27.421	824.22000
BE	84305	05-JUN-2011	15:22:20.788	15:33:23.583	662.79500
MM	84305	05-JUN-2011	16:26:52.056	16:39:25.085	753.02900
GS	84305	05-JUN-2011	15:47:32.554	16:01:27.095	834.54100
SG	84305	05-JUN-2011	16:52:40.114	17:00:40.572	480.45800
MM	84306	05-JUN-2011	18:06:01.189	18:18:34.396	753.20700
GS	84306	05-JUN-2011	17:27:34.154	17:39:04.765	690.61100
MM	84307	05-JUN-2011	19:45:13.461	19:57:55.272	761.81100
MA	84307	05-JUN-2011	18:50:20.598	18:54:34.887	254.28900
JO	84307	05-JUN-2011	20:04:51.777	20:19:04.104	852.32700
MM	84308	05-JUN-2011	21:24:51.743	21:37:32.541	760.79800
MA	84308	05-JUN-2011	20:23:10.874	20:36:57.640	826.76600
JO	84308	05-JUN-2011	21:44:23.703	21:57:46.826	803.12300
HO	84309	05-JUN-2011	22:56:27.379	23:09:45.922	798.54300
MM	84309	05-JUN-2011	23:05:17.954	23:17:25.075	727.12100
KS	84310	05-JUN-2011	23:57:17.101	00:03:03.087	345.98600

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1.5 - List of corrupted products

Station	Orbit	Time
MI	84298	03:51:06.815

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

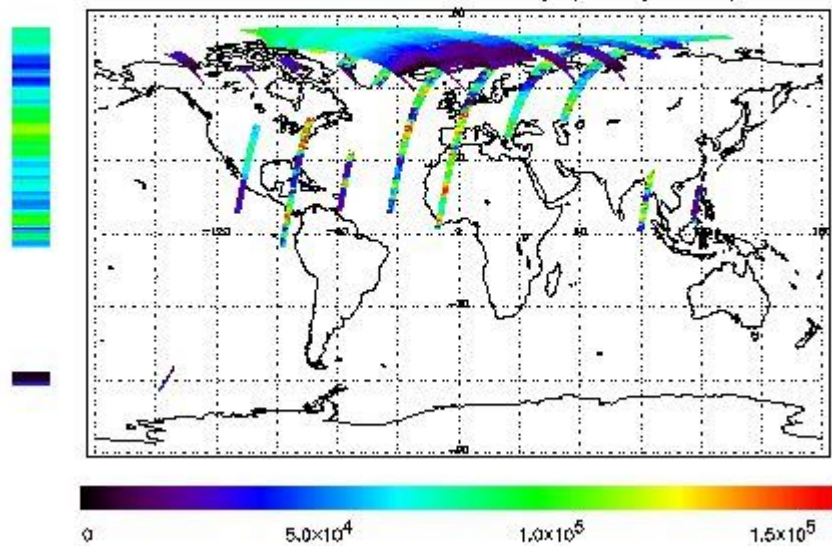
2.2 - Daily Plots

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 : 05-JUN-2011 00:23:49.053 : ORBIT : 84296.1079
 Last Product : 05-JUN-2011 22:33:52.674 : ORBIT : 84309.3294
 Total Products Processed : 14989 Day : 156 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

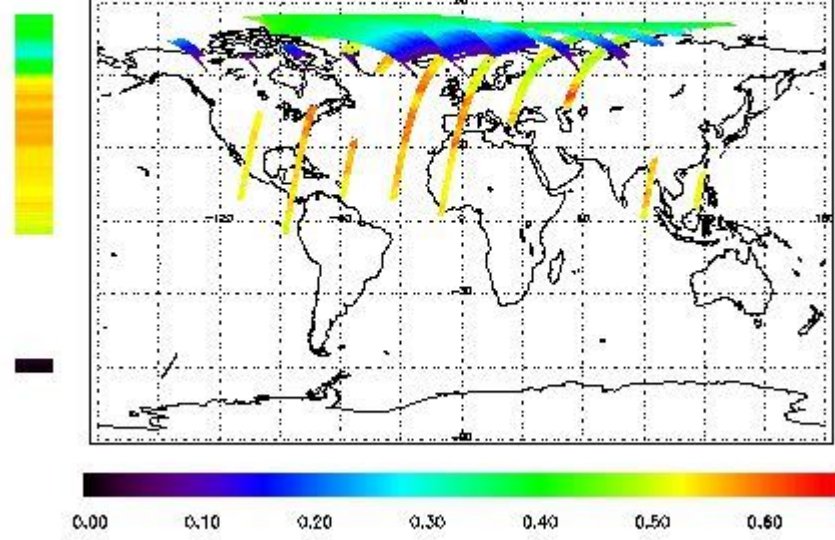


Ozone Line Ratio

First Product : 05-JUN-2011 00:23:49.053 : ORBIT : 84296.1079
 Last Product : 05-JUN-2011 22:33:52.674 : ORBIT : 84309.3294
 Total Products Processed : 14989 Day : 156

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed

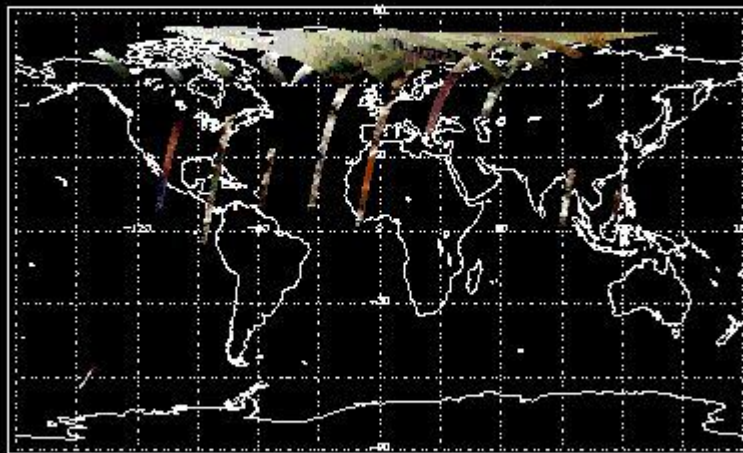


PMD Image (Earthshine Radiance)

First Product : 05-JUN-2011 00:23:49.053 : ORBIT : 84296.1079
 Last Product : 05-JUN-2011 22:33:52.674 : ORBIT : 84309.3294
 Total Products Processed : 14989 Day : 156

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Uncalibrated PMDs as RGB Signal



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	19:03:30.388	--	84307	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)
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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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21:00	18:30	84294	84306
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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