

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-JUN-2011
Start Time of First Product	23:49:35 (11-Jun)
Stop Time of Last Product	23:40:07
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_110612CMEP7269.E2	12-JUN-2011	03:10:02.145
EGOI_110612CMEP7275.E2	12-JUN-2011	04:51:16.266
EGOI_110612CMEP7282.E2	12-JUN-2011	15:32:44.181
EGOI_110612CMEP7291.E2	12-JUN-2011	17:11:35.788
EGOI_110612GSEP4224.E2	12-JUN-2011	01:37:03.082
EGOI_110612GSEP4253.E2	12-JUN-2011	03:15:06.676
EGOI_110612GSEP4263.E2	12-JUN-2011	04:57:49.304
EGOI_110612KSEP6975.E2	12-JUN-2011	00:06:08.524
EGOI_110612KSEP6989.E2	12-JUN-2011	06:56:27.526

EGOI_110612KSEP7017.E2	12-JUN-2011	08:36:16.136
EGOI_110612KSEP7038.E2	12-JUN-2011	10:15:46.742
EGOI_110612KSEP7067.E2	12-JUN-2011	11:55:06.856
EGOI_110612KSEP7083.E2	12-JUN-2011	13:33:59.954
EGOI_110612KSEP7103.E2	12-JUN-2011	15:12:35.056
EGOI_110612KSEP7116.E2	12-JUN-2011	16:50:14.655
EGOI_110612KSEP7131.E2	12-JUN-2011	18:27:43.749
EGOI_110612KSEP7144.E2	12-JUN-2011	20:06:20.355
EGOI_110612KSEP7162.E2	12-JUN-2011	21:47:14.965
EGOI_110612KSEP7177.E2	12-JUN-2011	23:30:26.102
EGOI_110612MAEP9120.E2	12-JUN-2011	08:44:35.687
EGOI_110612MAEP9134.E2	12-JUN-2011	10:23:18.289
EGOI_110612MAEP9145.E2	12-JUN-2011	19:59:59.315
EGOI_110612MAEP9166.E2	12-JUN-2011	21:39:19.417
EGOI_110612MIEP4983.E2	12-JUN-2011	03:10:42.649
EGOI_110612MIEP5006.E2	12-JUN-2011	04:51:56.770
EGOI_110612MIEP5034.E2	12-JUN-2011	15:29:56.165
EGOI_110612MIEP5061.E2	12-JUN-2011	17:09:52.276
EGOI_110612MMEP0539.E2	12-JUN-2011	02:36:48.442
EGOI_110612MSEP0949.E2	11-JUN-2011	23:49:35.422
EGOI_110612MSEP0974.E2	12-JUN-2011	10:30:13.832
EGOI_110612MSEP1003.E2	12-JUN-2011	12:08:05.434
EGOI_110612MSEP1025.E2	12-JUN-2011	21:39:38.922
EGOI_110612MSEP1057.E2	12-JUN-2011	23:16:06.512
EGOI_110612SGEP3818.E2	12-JUN-2011	02:15:21.309
EGOI_110612SGEP3826.E2	12-JUN-2011	14:49:52.919
EGOI_110612SGEP3832.E2	12-JUN-2011	16:27:43.018

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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	84396	12-JUN-2011	00:46:36.606	01:00:36.380	839.77400
MM	84396	12-JUN-2011	00:58:26.437	01:08:58.401	631.96400
BE	84397	12-JUN-2011	02:05:22.708	02:17:27.975	725.26700
BE	84398	12-JUN-2011	03:44:30.011	03:57:14.136	764.12500
MM	84398	12-JUN-2011	04:24:08.954	04:30:20.077	371.12300
SG	84398	12-JUN-2011	03:55:28.581	04:08:51.433	802.85200
MM	84399	12-JUN-2011	06:06:26.115	06:12:31.250	365.13500

MM	84400	12-JUN-2011	07:47:27.635	07:55:35.917	488.28200
JO	84400	12-JUN-2011	07:25:23.460	07:39:11.749	828.28900
MM	84401	12-JUN-2011	09:27:52.988	09:38:16.601	623.61300
JO	84401	12-JUN-2011	09:04:35.005	09:18:25.466	830.46100
HO	84402	12-JUN-2011	11:18:38.843	11:28:55.495	616.65200
MM	84402	12-JUN-2011	11:08:01.517	11:19:57.218	715.70100
HO	84403	12-JUN-2011	12:56:33.150	13:11:22.587	889.43700
MM	84403	12-JUN-2011	12:47:56.612	13:00:34.212	757.60000
HO	84404	12-JUN-2011	14:36:49.156	14:48:20.784	691.62800
MM	84404	12-JUN-2011	14:27:37.012	14:40:19.977	762.96500
SG	84404	12-JUN-2011	14:51:13.876	15:04:18.532	784.65600
BE	84405	12-JUN-2011	15:01:41.929	15:13:56.696	734.76700
MM	84405	12-JUN-2011	16:07:01.106	16:19:35.517	754.41100
GS	84405	12-JUN-2011	15:27:43.663	15:41:23.725	820.06200
MM	84406	12-JUN-2011	17:46:11.745	17:58:43.918	752.17300
GS	84406	12-JUN-2011	17:07:26.119	17:19:54.856	748.73700
MM	84407	12-JUN-2011	19:25:21.697	19:38:01.819	760.12200
JO	84407	12-JUN-2011	19:45:27.845	19:58:33.732	785.88700
MM	84408	12-JUN-2011	21:04:52.872	21:17:35.792	762.92000
JO	84408	12-JUN-2011	21:24:11.636	21:38:31.368	859.73200
HO	84409	12-JUN-2011	22:37:02.667	22:49:42.879	760.21200
MM	84409	12-JUN-2011	22:45:08.039	22:57:25.452	737.41300

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1.5 - List of corrupted products

Station	Orbit	Time
KS	84386	07:40:11.504

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

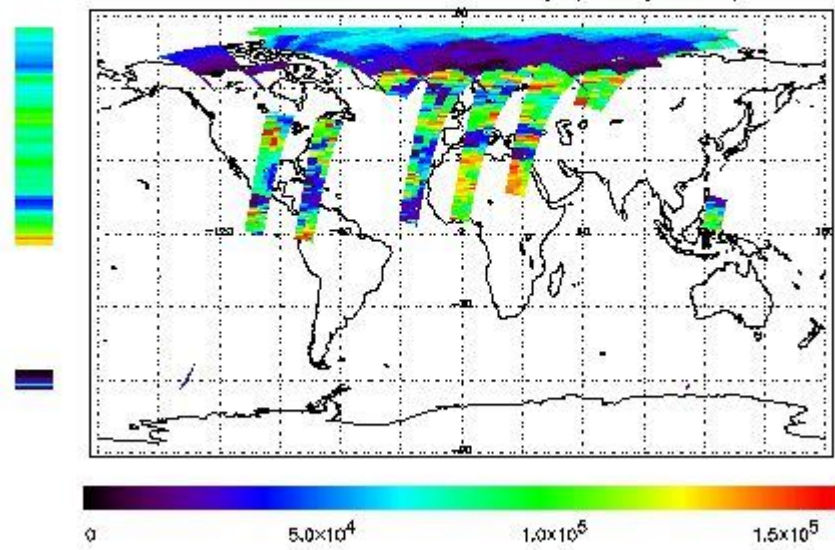
2.2 - Daily Plots

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 : 11-JUN-2011 23:49:35.422 : ORBIT : 84395.9677
 Last Product : 12-JUN-2011 23:40:06.660 : ORBIT : 84410.1877
 Total Products Processed : 16593 Day : 163 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

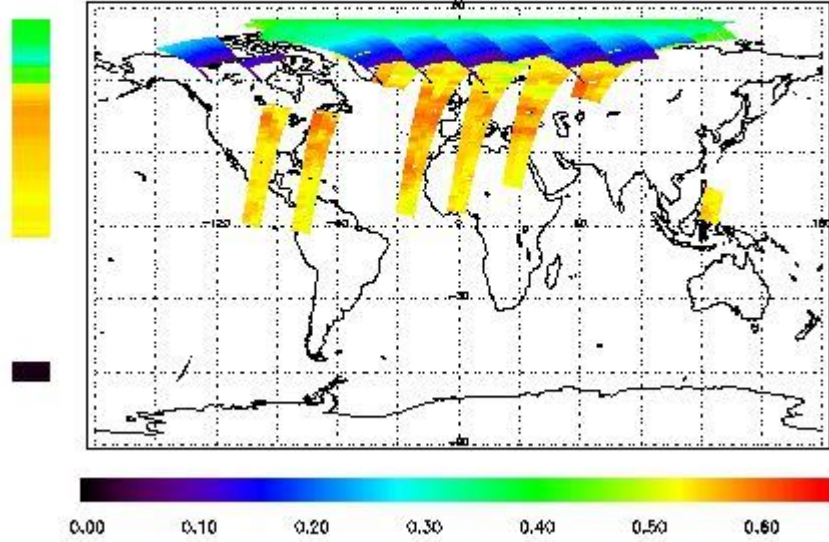


Ozone Line Ratio

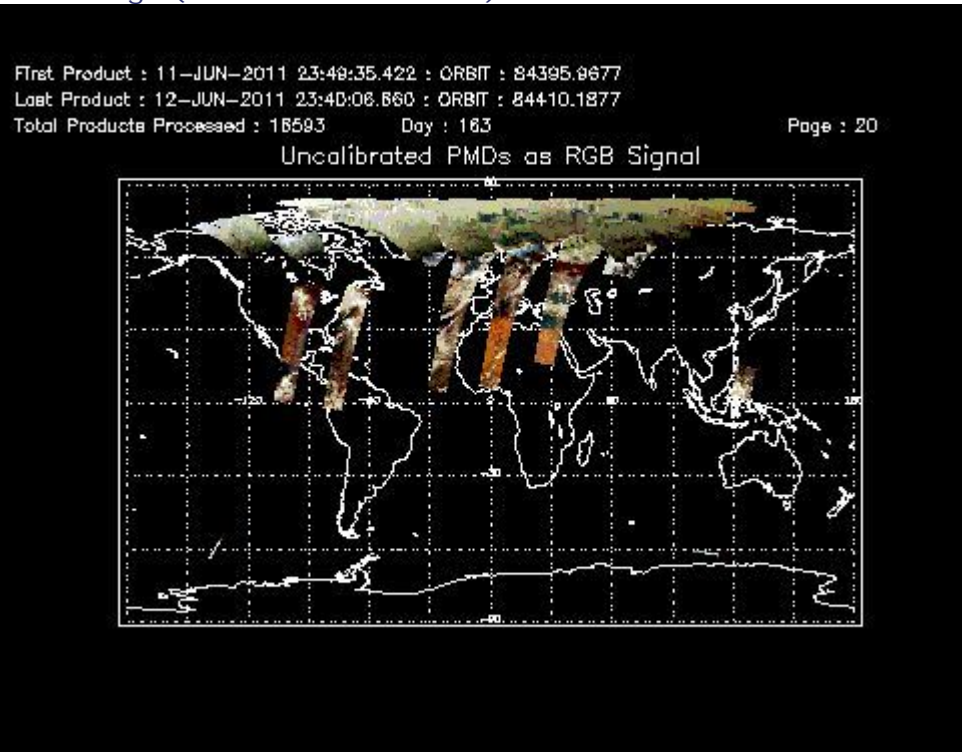
First Product : 11-JUN-2011 23:49:35.422 : ORBIT : 84395.9677
 Last Product : 12-JUN-2011 23:40:06.660 : ORBIT : 84410.1877
 Total Products Processed : 16593 Day : 163

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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	18:29:49.76	--	84407	Yes	--	14200

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
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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
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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