

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-JUN-2011
Start Time of First Product	00:23:48
Stop Time of Last Product	22:33:52
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110608GSEP3960.E2	08-JUN-2011	02:09:23.572
EGOI_110608GSEP3987.E2	08-JUN-2011	03:48:36.181
EGOI_110608GSEP3996.E2	08-JUN-2011	05:31:18.812
EGOI_110608KSEP6133.E2	08-JUN-2011	07:29:33.031
EGOI_110608KSEP6152.E2	08-JUN-2011	09:09:24.646
EGOI_110608KSEP6174.E2	08-JUN-2011	10:48:59.751
EGOI_110608KSEP6200.E2	08-JUN-2011	12:28:09.357
EGOI_110608KSEP6216.E2	08-JUN-2011	14:07:02.464
EGOI_110608KSEP6238.E2	08-JUN-2011	15:44:52.562

EGOI_110608KSEP6250.E2	08-JUN-2011	17:22:35.164
EGOI_110608KSEP6273.E2	08-JUN-2011	19:00:16.263
EGOI_110608KSEP6292.E2	08-JUN-2011	20:39:39.365
EGOI_110608KSEP6312.E2	08-JUN-2011	22:21:36.990
EGOI_110608MAEP8845.E2	08-JUN-2011	09:16:54.691
EGOI_110608MAEP8863.E2	08-JUN-2011	10:56:32.798
EGOI_110608MAEP8873.E2	08-JUN-2011	19:00:17.762
EGOI_110608MAEP8889.E2	08-JUN-2011	22:13:26.438
EGOI_110608MIEP4576.E2	08-JUN-2011	02:07:08.560
EGOI_110608MIEP4599.E2	08-JUN-2011	03:43:51.150
EGOI_110608MIEP4617.E2	08-JUN-2011	14:26:50.583
EGOI_110608MIEP4644.E2	08-JUN-2011	16:03:13.677
EGOI_110608MIEP4667.E2	08-JUN-2011	17:44:32.294
EGOI_110608MMEP0431.E2	08-JUN-2011	04:53:32.076
EGOI_110608MMEP0440.E2	08-JUN-2011	06:35:32.701
EGOI_110608MMEP0453.E2	08-JUN-2011	16:35:39.373
EGOI_110608MMEP0461.E2	08-JUN-2011	18:15:39.986
EGOI_110608MSEP0486.E2	08-JUN-2011	00:23:48.427
EGOI_110608MSEP0514.E2	08-JUN-2011	11:02:11.834
EGOI_110608MSEP0541.E2	08-JUN-2011	12:41:33.441
EGOI_110608MSEP0565.E2	08-JUN-2011	22:11:05.424
EGOI_110608SGEP3737.E2	08-JUN-2011	02:46:50.798
EGOI_110608SGEP3745.E2	08-JUN-2011	04:26:13.908
EGOI_110608SGEP3753.E2	08-JUN-2011	17:03:08.041

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	84343	08-JUN-2011	07:25:27.159	07:29:33.030	245.87100
KS	84344	08-JUN-2011	09:04:59.601	09:09:24.646	265.04500
KS	84345	08-JUN-2011	10:44:36.259	10:48:59.750	263.49100
KS	84346	08-JUN-2011	12:23:58.452	12:28:09.356	250.90400
KS	84347	08-JUN-2011	14:02:51.923	14:07:02.464	250.54100
KS	84348	08-JUN-2011	15:40:50.685	15:44:52.562	241.87700
KS	84349	08-JUN-2011	17:18:41.014	17:22:35.164	234.15000
KS	84350	08-JUN-2011	18:56:50.918	19:00:16.262	205.34400
KS	84351	08-JUN-2011	20:36:35.002	20:39:39.365	184.36300
KS	84352	08-JUN-2011	22:18:24.065	22:21:36.990	192.92500
GS	84340	08-JUN-2011	02:04:57.406	02:09:23.571	266.16500
GS	84341	08-JUN-2011	03:44:27.247	03:48:36.180	248.93300
MS	84339	08-JUN-2011	00:18:57.897	00:23:48.426	290.52900

MS	84345	08-JUN-2011	10:57:45.881	11:02:11.833	265.95200
MS	84346	08-JUN-2011	12:37:22.161	12:41:33.441	251.28000
MS	84352	08-JUN-2011	22:08:02.041	22:11:05.424	183.38300
MS	84353	08-JUN-2011	23:46:33.577	23:49:36.030	182.45300
MA	84344	08-JUN-2011	09:13:33.781	09:16:54.691	200.91000
MA	84345	08-JUN-2011	10:52:48.331	10:56:32.798	224.46700
MA	84352	08-JUN-2011	22:11:22.164	22:13:26.438	124.27400
MI	84340	08-JUN-2011	02:02:41.705	02:07:08.559	266.85400
MI	84341	08-JUN-2011	03:38:58.146	03:43:51.150	293.00400
MI	84347	08-JUN-2011	14:23:33.685	14:26:50.583	196.89800
MI	84348	08-JUN-2011	15:59:05.586	16:03:13.677	248.09100
MI	84349	08-JUN-2011	17:41:07.340	17:44:32.294	204.95400
MM	84341	08-JUN-2011	04:50:34.911	04:53:32.076	177.16500
MM	84342	08-JUN-2011	06:32:30.468	06:35:32.701	182.23300
MM	84348	08-JUN-2011	16:32:32.231	16:35:39.372	187.14100
MM	84349	08-JUN-2011	18:11:41.041	18:15:39.986	238.94500
SG	84340	08-JUN-2011	02:42:17.751	02:46:50.797	273.04600
SG	84341	08-JUN-2011	04:21:40.696	04:26:13.907	273.21100
SG	84348	08-JUN-2011	16:58:57.586	17:03:08.040	250.45400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84339	08-JUN-2011	01:12:47.825	01:25:45.766	777.94100
MM	84339	08-JUN-2011	01:24:44.462	01:34:45.564	601.10200
BE	84340	08-JUN-2011	02:30:36.246	02:43:38.970	782.72400
MM	84340	08-JUN-2011	03:07:33.916	03:15:15.619	461.70300
CM	84340	08-JUN-2011	03:38:13.234	03:50:10.140	716.90600
BE	84341	08-JUN-2011	04:10:23.043	04:22:02.094	699.05100
CM	84342	08-JUN-2011	05:19:28.213	05:27:36.151	487.93800
MM	84343	08-JUN-2011	08:13:19.239	08:22:04.633	525.39400
JO	84343	08-JUN-2011	07:50:19.783	08:05:03.672	883.88900
MM	84344	08-JUN-2011	09:53:39.358	10:04:31.593	652.23500
JO	84344	08-JUN-2011	09:31:11.501	09:43:10.589	719.08800
MM	84345	08-JUN-2011	11:33:44.411	11:45:55.368	730.95700
MM	84346	08-JUN-2011	13:13:35.912	13:26:17.563	761.65100

HO	84347	08-JUN-2011	15:03:00.416	15:11:56.324	535.90800
MM	84347	08-JUN-2011	14:53:12.215	15:05:53.335	761.12000
GS	84347	08-JUN-2011	14:15:08.987	14:24:51.348	582.36100
SG	84347	08-JUN-2011	15:16:20.330	15:30:09.961	829.63100
BE	84348	08-JUN-2011	15:28:18.720	15:38:54.298	635.57800
GS	84348	08-JUN-2011	15:53:13.017	16:07:08.897	835.88000
SG	84348	08-JUN-2011	16:58:57.586	17:05:41.353	403.76700
CM	84348	08-JUN-2011	16:02:05.824	16:14:07.640	721.81600
GS	84349	08-JUN-2011	17:33:20.235	17:44:31.057	670.82200
CM	84349	08-JUN-2011	17:42:57.965	17:51:05.913	487.94800
MM	84350	08-JUN-2011	19:50:54.147	20:03:36.381	762.23400
JO	84350	08-JUN-2011	20:10:26.763	20:24:52.333	865.57000
MM	84351	08-JUN-2011	21:30:34.627	21:43:14.584	759.95700
MA	84351	08-JUN-2011	20:28:47.810	20:42:32.304	824.49400
JO	84351	08-JUN-2011	21:50:11.973	22:03:13.772	781.79900
HO	84352	08-JUN-2011	23:01:58.891	23:15:29.547	810.65600
MM	84352	08-JUN-2011	23:11:04.106	23:23:07.922	723.81600

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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

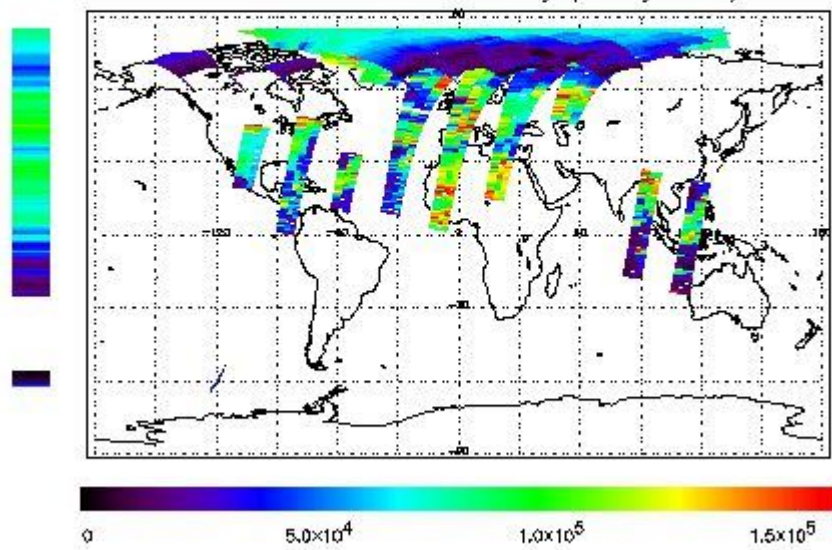
2.2 - Daily Plots

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 : 08-JUN-2011 00:23:48.427 : ORBIT : 84339.0507
 Last Product : 08-JUN-2011 22:33:52.068 : ORBIT : 84352.2721
 Total Products Processed : 15400 Day : 159 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

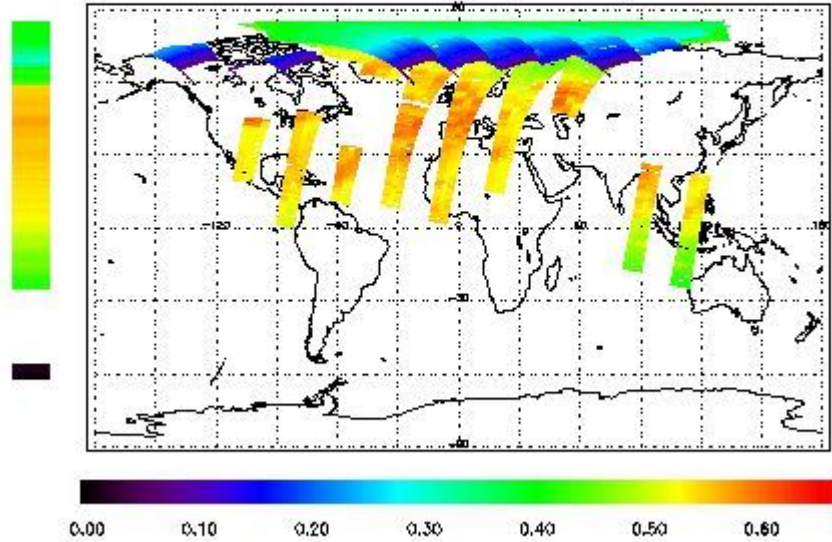


Ozone Line Ratio

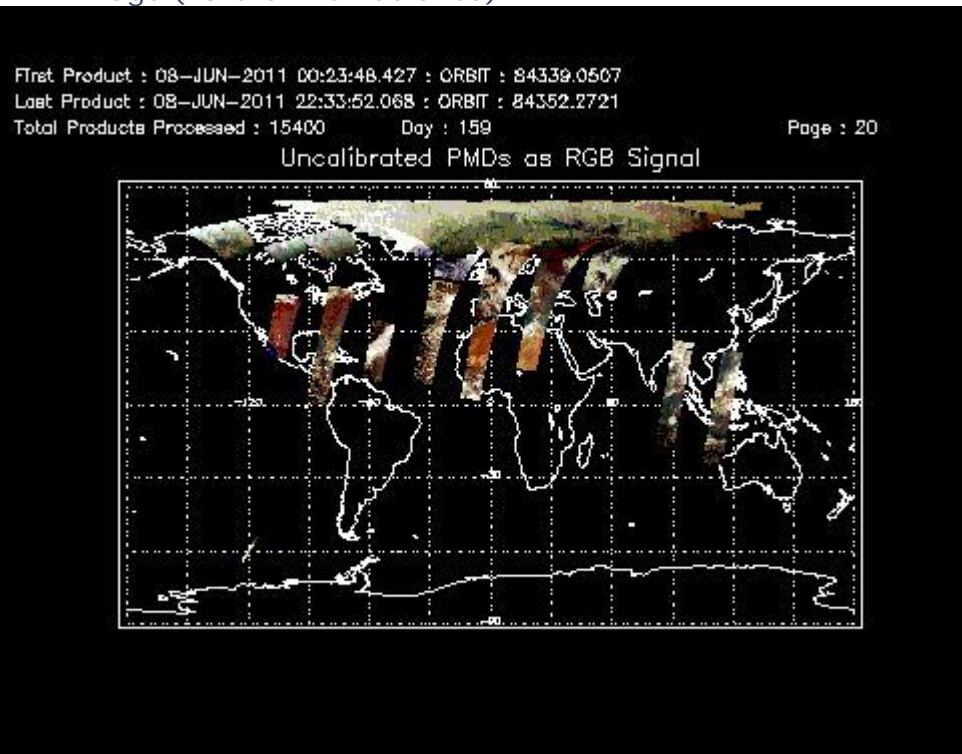
First Product : 08-JUN-2011 00:23:48.427 : ORBIT : 84339.0507
 Last Product : 08-JUN-2011 22:33:52.068 : ORBIT : 84352.2721
 Total Products Processed : 15400 Day : 159

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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	17:22:56.167	--	84349	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
--	--	--	--	--

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
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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