

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-FEB-2011
Start Time of First Product	00:14:39
Stop Time of Last Product	23:12:56
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_110209CMEP3936.E2	09-FEB-2011	02:42:55.982
EGOI_110209CMEP3943.E2	09-FEB-2011	04:21:32.585
EGOI_110209CMEP3954.E2	09-FEB-2011	15:06:20.056
EGOI_110209CMEP3959.E2	09-FEB-2011	16:43:11.652
EGOI_110209GSEP5455.E2	09-FEB-2011	01:09:07.410
EGOI_110209GSEP5487.E2	09-FEB-2011	02:46:09.502
EGOI_110209GSEP5516.E2	09-FEB-2011	04:27:43.124
EGOI_110209GSEP5523.E2	09-FEB-2011	06:09:54.258
EGOI_110209HLEP9247.E2	09-FEB-2011	00:14:38.570

EGOI_110209KSEP0725.E2	09-FEB-2011	06:27:37.864
EGOI_110209KSEP0743.E2	09-FEB-2011	08:07:44.479
EGOI_110209KSEP0764.E2	09-FEB-2011	09:47:24.095
EGOI_110209KSEP0793.E2	09-FEB-2011	11:26:57.707
EGOI_110209KSEP0810.E2	09-FEB-2011	13:06:07.314
EGOI_110209KSEP0820.E2	09-FEB-2011	14:44:54.423
EGOI_110209KSEP0842.E2	09-FEB-2011	16:22:35.527
EGOI_110209KSEP0871.E2	09-FEB-2011	18:00:37.626
EGOI_110209KSEP0901.E2	09-FEB-2011	19:38:45.731
EGOI_110209KSEP0922.E2	09-FEB-2011	21:19:29.850
EGOI_110209KSEP0947.E2	09-FEB-2011	23:02:25.985
EGOI_110209MAEP2615.E2	09-FEB-2011	08:16:16.030
EGOI_110209MAEP2627.E2	09-FEB-2011	09:54:15.136
EGOI_110209MAEP2643.E2	09-FEB-2011	21:11:26.803
EGOI_110209MIEP2755.E2	09-FEB-2011	02:42:34.978
EGOI_110209MIEP2783.E2	09-FEB-2011	04:21:53.589
EGOI_110209MIEP2809.E2	09-FEB-2011	15:02:45.536
EGOI_110209MIEP2838.E2	09-FEB-2011	16:41:32.644
EGOI_110209MSEP6511.E2	09-FEB-2011	01:04:01.379
EGOI_110209MSEP6526.E2	09-FEB-2011	10:03:07.690
EGOI_110209MSEP6550.E2	09-FEB-2011	11:40:02.285
EGOI_110209MSEP6573.E2	09-FEB-2011	13:21:07.410
EGOI_110209MSEP6587.E2	09-FEB-2011	21:14:38.822
EGOI_110209MSEP6619.E2	09-FEB-2011	22:48:43.903
EGOI_110209SGEP1383.E2	09-FEB-2011	05:06:13.359
EGOI_110209SGEP1389.E2	09-FEB-2011	14:20:48.274
EGOI_110209SGEP1396.E2	09-FEB-2011	15:59:02.382

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82639	09-FEB-2011	06:26:03.949	06:27:37.864	93.915000
KS	82640	09-FEB-2011	08:05:13.972	08:07:44.478	150.506000
KS	82641	09-FEB-2011	09:44:50.922	09:47:24.094	153.172000
KS	82642	09-FEB-2011	11:24:23.851	11:26:57.706	153.855000
KS	82643	09-FEB-2011	13:03:35.123	13:06:07.313	152.190000
KS	82644	09-FEB-2011	14:42:17.470	14:44:54.422	156.952000
KS	82645	09-FEB-2011	16:19:57.530	16:22:35.527	157.997000
KS	82646	09-FEB-2011	17:57:47.708	18:00:37.626	169.918000
KS	82647	09-FEB-2011	19:36:31.975	19:38:45.731	133.756000
KS	82648	09-FEB-2011	21:17:01.359	21:19:29.849	148.490000
KS	82649	09-FEB-2011	22:59:53.726	23:02:25.985	152.259000

GS	82636	09-FEB-2011	01:07:25.937	01:09:07.409	101.47200
GS	82637	09-FEB-2011	02:44:13.192	02:46:09.502	116.31000
GS	82638	09-FEB-2011	04:25:44.276	04:27:43.124	118.84800
MS	82642	09-FEB-2011	11:37:20.349	11:40:02.284	161.93500
MS	82643	09-FEB-2011	13:18:32.076	13:21:07.410	155.33400
MS	82649	09-FEB-2011	22:46:41.104	22:48:43.903	122.79900
MA	82640	09-FEB-2011	08:14:39.806	08:16:16.029	96.223000
MA	82641	09-FEB-2011	09:52:53.294	09:54:15.135	81.841000
MA	82648	09-FEB-2011	21:08:48.206	21:11:26.803	158.59700
MI	82637	09-FEB-2011	02:40:11.928	02:42:34.977	143.04900
MI	82638	09-FEB-2011	04:19:29.860	04:21:53.589	143.72900
MI	82644	09-FEB-2011	15:00:26.092	15:02:45.535	139.44300
MI	82645	09-FEB-2011	16:39:07.658	16:41:32.644	144.98600
SG	82643	09-FEB-2011	14:18:39.520	14:20:48.273	128.75300
SG	82644	09-FEB-2011	15:56:15.247	15:59:02.381	167.13400
CM	82645	09-FEB-2011	16:41:39.740	16:43:11.652	91.912000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82635	09-FEB-2011	00:12:03.158	00:26:41.161	878.00300
MM	82635	09-FEB-2011	00:23:28.960	00:34:37.112	668.15200
HO	82636	09-FEB-2011	01:55:11.017	02:04:13.710	542.69300
MM	82636	09-FEB-2011	02:05:46.846	02:14:54.637	547.79100
BE	82637	09-FEB-2011	03:10:14.086	03:23:37.434	803.34800
MM	82637	09-FEB-2011	03:48:49.276	03:55:37.114	407.83800
SG	82637	09-FEB-2011	03:21:15.120	03:35:06.919	831.79900
BE	82638	09-FEB-2011	04:51:07.451	04:59:43.598	516.14700
MM	82638	09-FEB-2011	05:31:31.740	05:37:19.432	347.69200
MM	82639	09-FEB-2011	07:12:55.301	07:20:14.829	439.52800
JO	82639	09-FEB-2011	06:52:53.980	07:04:14.009	680.02900
MM	82640	09-FEB-2011	08:53:29.518	09:03:10.231	580.71300
JO	82640	09-FEB-2011	08:29:54.070	08:44:49.834	895.76400
MM	82641	09-FEB-2011	10:33:42.965	10:45:13.003	690.03800
MM	82642	09-FEB-2011	12:13:42.708	12:26:11.019	748.31100
MA	82642	09-FEB-2011	11:34:12.338	11:41:40.298	447.96000

MM	82643	09-FEB-2011	13:53:28.374	14:06:12.301	763.92700
SG	82643	09-FEB-2011	14:18:39.520	14:28:59.882	620.36200
BE	82644	09-FEB-2011	14:26:56.826	14:40:13.416	796.59000
MM	82644	09-FEB-2011	15:32:58.099	15:45:35.536	757.43700
GS	82644	09-FEB-2011	14:53:57.954	15:06:32.461	754.50700
MM	82645	09-FEB-2011	17:12:12.474	17:24:44.016	751.54200
GS	82645	09-FEB-2011	16:33:04.720	16:46:37.648	812.92800
MM	82646	09-FEB-2011	18:51:20.551	19:03:57.441	756.89000
GS	82646	09-FEB-2011	18:14:00.812	18:22:00.163	479.35100
JO	82646	09-FEB-2011	19:13:02.364	19:22:23.665	561.30100
MM	82647	09-FEB-2011	20:30:41.716	20:43:25.700	763.98400
MA	82647	09-FEB-2011	19:30:36.792	19:42:13.428	696.63600
JO	82647	09-FEB-2011	20:49:54.633	21:04:55.707	901.07400
HO	82648	09-FEB-2011	22:04:35.959	22:15:08.173	632.21400
MM	82648	09-FEB-2011	22:10:39.546	22:23:10.236	750.69000
JO	82648	09-FEB-2011	22:31:28.618	22:40:26.556	537.93800
HO	82649	09-FEB-2011	23:41:02.493	23:55:25.474	862.98100
MM	82649	09-FEB-2011	23:51:33.080	00:03:09.036	695.95600

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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

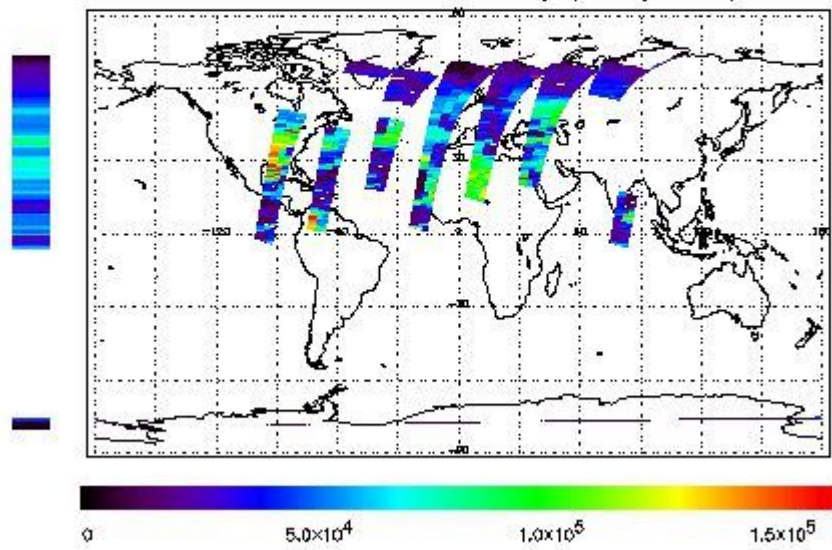
2.2 - Daily Plots

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 : 09-FEB-2011 00:14:38.570 : ORBIT : 82635.5596
 Last Product : 09-FEB-2011 23:12:58.047 : ORBIT : 82648.2605
 Total Products Processed : 18600 Day : 40 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

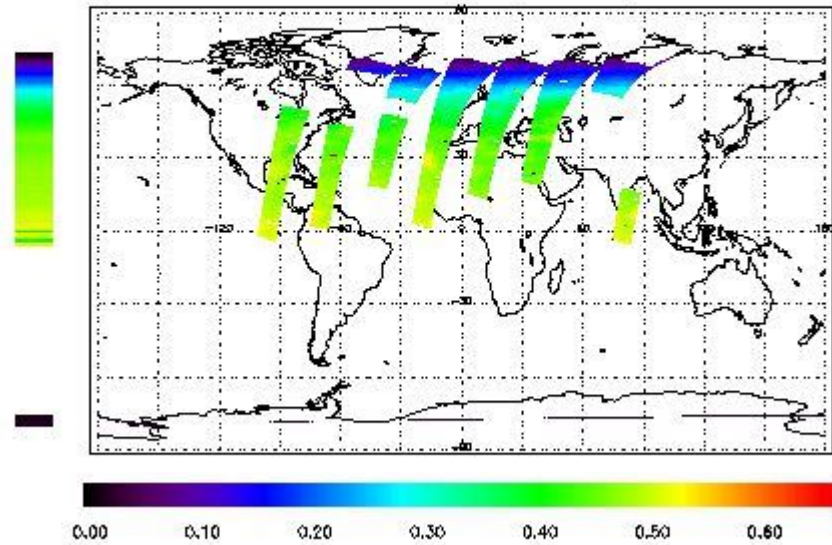


Ozone Line Ratio

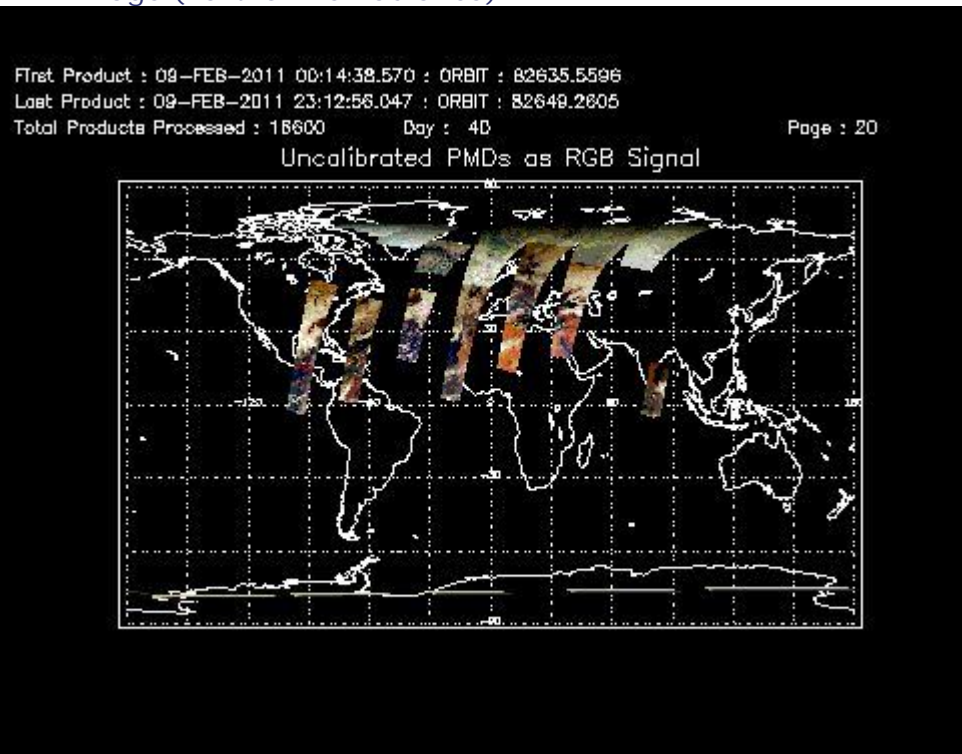
First Product : 09-FEB-2011 00:14:38.570 : ORBIT : 82635.5596
 Last Product : 09-FEB-2011 23:12:56.047 : ORBIT : 82649.2605
 Total Products Processed : 18600 Day : 40

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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	13:11:11.845	--	83643	Yes	--	15593

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