

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-FEB-2010
Start Time of First Product	00:27:37
Stop Time of Last Product	23:15:26
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100208GSEP9211.E2	08-FEB-2010	01:11:49.178
EGOI_100208GSEP9243.E2	08-FEB-2010	02:48:40.777
EGOI_100208GSEP9271.E2	08-FEB-2010	04:30:21.904
EGOI_100208GSEP9278.E2	08-FEB-2010	06:12:28.530
EGOI_100208KSEP2616.E2	08-FEB-2010	06:30:21.136
EGOI_100208KSEP2637.E2	08-FEB-2010	08:10:14.259
EGOI_100208KSEP2661.E2	08-FEB-2010	09:49:53.867
EGOI_100208KSEP2686.E2	08-FEB-2010	11:29:30.483
EGOI_100208KSEP2703.E2	08-FEB-2010	13:08:37.091

EGOI_100208KSEP2729.E2	08-FEB-2010	14:47:22.698
EGOI_100208KSEP2744.E2	08-FEB-2010	16:25:02.303
EGOI_100208KSEP2776.E2	08-FEB-2010	18:03:07.410
EGOI_100208KSEP2811.E2	08-FEB-2010	19:41:11.011
EGOI_100208KSEP2844.E2	08-FEB-2010	21:21:38.631
EGOI_100208KSEP2873.E2	08-FEB-2010	23:04:24.262
EGOI_100208MAEP8674.E2	08-FEB-2010	08:18:29.306
EGOI_100208MAEP8688.E2	08-FEB-2010	09:57:20.918
EGOI_100208MAEP8713.E2	08-FEB-2010	21:13:59.584
EGOI_100208MIEP2663.E2	08-FEB-2010	02:44:58.754
EGOI_100208MIEP2690.E2	08-FEB-2010	04:24:29.365
EGOI_100208MIEP2717.E2	08-FEB-2010	15:05:13.808
EGOI_100208MIEP2746.E2	08-FEB-2010	16:44:00.920
EGOI_100208MMEP3389.E2	08-FEB-2010	00:27:36.903
EGOI_100208MMEP3398.E2	08-FEB-2010	03:52:30.665
EGOI_100208MMEP3404.E2	08-FEB-2010	05:34:53.796
EGOI_100208MMEP3415.E2	08-FEB-2010	08:57:26.546
EGOI_100208MMEP3421.E2	08-FEB-2010	10:37:51.162
EGOI_100208MMEP3428.E2	08-FEB-2010	12:17:50.281
EGOI_100208MMEP3439.E2	08-FEB-2010	13:57:34.396
EGOI_100208MMEP3446.E2	08-FEB-2010	15:37:03.505
EGOI_100208MMEP3453.E2	08-FEB-2010	18:56:13.737
EGOI_100208MMEP3461.E2	08-FEB-2010	22:15:23.964
EGOI_100208MSEP4251.E2	08-FEB-2010	10:05:29.965
EGOI_100208MSEP4276.E2	08-FEB-2010	11:42:29.066
EGOI_100208MSEP4299.E2	08-FEB-2010	13:23:50.689
EGOI_100208MSEP4316.E2	08-FEB-2010	21:17:05.604
EGOI_100208MSEP4343.E2	08-FEB-2010	22:51:21.187

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77400	08-FEB-2010	06:28:52.675	06:30:21.136	88.461000
KS	77401	08-FEB-2010	08:08:04.612	08:10:14.258	129.64600
KS	77402	08-FEB-2010	09:47:41.714	09:49:53.867	132.15300
KS	77403	08-FEB-2010	11:27:14.275	11:29:30.483	136.20800
KS	77404	08-FEB-2010	13:06:24.644	13:08:37.091	132.44700
KS	77405	08-FEB-2010	14:45:06.040	14:47:22.698	136.65800
KS	77406	08-FEB-2010	16:22:46.000	16:25:02.302	136.30200
KS	77407	08-FEB-2010	18:00:34.579	18:03:07.409	152.83000
KS	77408	08-FEB-2010	19:39:22.648	19:41:11.010	108.36200
KS	77409	08-FEB-2010	21:19:55.494	21:21:38.630	103.13600

KS	77410	08-FEB-2010	23:02:52.821	23:04:24.262	91.441000
GS	77397	08-FEB-2010	01:10:07.707	01:11:49.178	101.47100
GS	77398	08-FEB-2010	02:47:03.041	02:48:40.776	97.735000
GS	77399	08-FEB-2010	04:28:44.153	04:30:21.904	97.751000
MS	77403	08-FEB-2010	11:40:10.126	11:42:29.066	138.94000
MS	77404	08-FEB-2010	13:21:33.757	13:23:50.688	136.93100
MS	77410	08-FEB-2010	22:49:29.173	22:51:21.187	112.01400
MA	77401	08-FEB-2010	08:17:23.183	08:18:29.305	66.122000
MA	77402	08-FEB-2010	09:55:44.062	09:57:20.917	96.855000
MA	77409	08-FEB-2010	21:11:40.299	21:13:59.583	139.28400
MI	77398	08-FEB-2010	02:42:56.427	02:44:58.754	122.32700
MI	77399	08-FEB-2010	04:22:26.558	04:24:29.364	122.80600
MI	77405	08-FEB-2010	15:03:10.536	15:05:13.808	123.27200
MI	77406	08-FEB-2010	16:42:00.858	16:44:00.920	120.06200
MM	77396	08-FEB-2010	00:26:23.454	00:27:36.902	73.448000
MM	77401	08-FEB-2010	08:56:21.551	08:57:26.545	64.994000
MM	77402	08-FEB-2010	10:36:34.568	10:37:51.162	76.594000
MM	77403	08-FEB-2010	12:16:33.929	12:17:50.281	76.352000
MM	77404	08-FEB-2010	13:56:19.166	13:57:34.396	75.230000
MM	77405	08-FEB-2010	15:35:48.418	15:37:03.505	75.087000
MM	77407	08-FEB-2010	18:54:10.574	18:56:13.736	123.16200
MM	77409	08-FEB-2010	22:13:31.656	22:15:23.963	112.30700
MM	77410	08-FEB-2010	23:54:26.978	23:55:50.081	83.103000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77396	08-FEB-2010	00:14:53.350	00:29:31.587	878.23700
HO	77397	08-FEB-2010	01:58:12.896	02:06:52.471	519.57500
MM	77397	08-FEB-2010	02:08:43.052	02:17:46.841	543.78900
BE	77398	08-FEB-2010	03:13:04.812	03:26:26.854	802.04200
SG	77398	08-FEB-2010	03:24:04.568	03:37:57.358	832.79000
CM	77398	08-FEB-2010	02:44:32.021	02:51:09.982	397.96100
CM	77398	08-FEB-2010	04:20:32.659	04:32:48.592	735.93300
BE	77399	08-FEB-2010	04:54:04.274	05:02:21.705	497.43100
MM	77400	08-FEB-2010	07:15:48.179	07:23:11.650	443.47100

JO	77400	08-FEB-2010	06:55:33.910	07:07:10.520	696.61000
JO	77401	08-FEB-2010	08:32:45.774	08:47:38.958	893.18400
MA	77403	08-FEB-2010	11:37:06.349	11:44:17.139	430.79000
SG	77404	08-FEB-2010	14:21:19.024	14:31:59.529	640.50500
BE	77405	08-FEB-2010	14:29:49.002	14:43:02.857	793.85500
GS	77405	08-FEB-2010	14:56:46.009	15:09:28.272	762.26300
SG	77405	08-FEB-2010	15:59:08.749	16:12:19.651	790.90200
CM	77405	08-FEB-2010	15:07:58.830	15:14:27.536	388.70600
MM	77406	08-FEB-2010	17:15:02.437	17:27:33.972	751.53500
GS	77406	08-FEB-2010	16:35:56.094	16:49:25.265	809.17100
CM	77406	08-FEB-2010	16:44:31.344	16:56:43.900	732.55600
GS	77407	08-FEB-2010	18:16:57.031	18:24:37.769	460.73800
JO	77407	08-FEB-2010	19:15:40.488	19:25:29.040	588.55200
MM	77408	08-FEB-2010	20:33:32.465	20:46:16.467	764.00200
MA	77408	08-FEB-2010	19:33:20.531	19:45:07.507	706.97600
JO	77408	08-FEB-2010	20:52:45.117	21:07:45.237	900.12000
HO	77409	08-FEB-2010	22:07:17.690	22:18:02.330	644.64000
JO	77409	08-FEB-2010	22:34:29.854	22:43:00.450	510.59600
HO	77410	08-FEB-2010	23:43:52.512	23:58:16.070	863.55800

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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

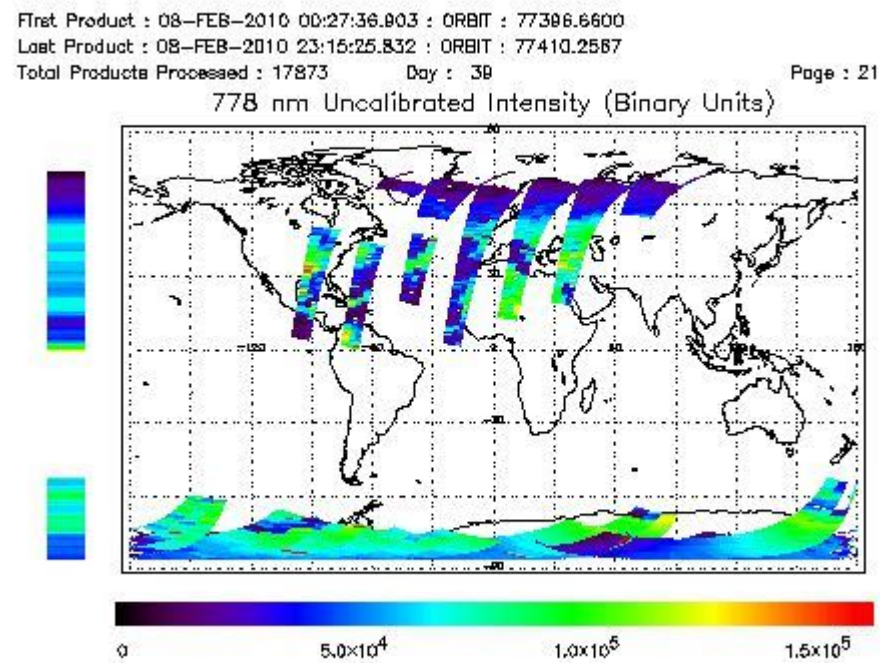
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

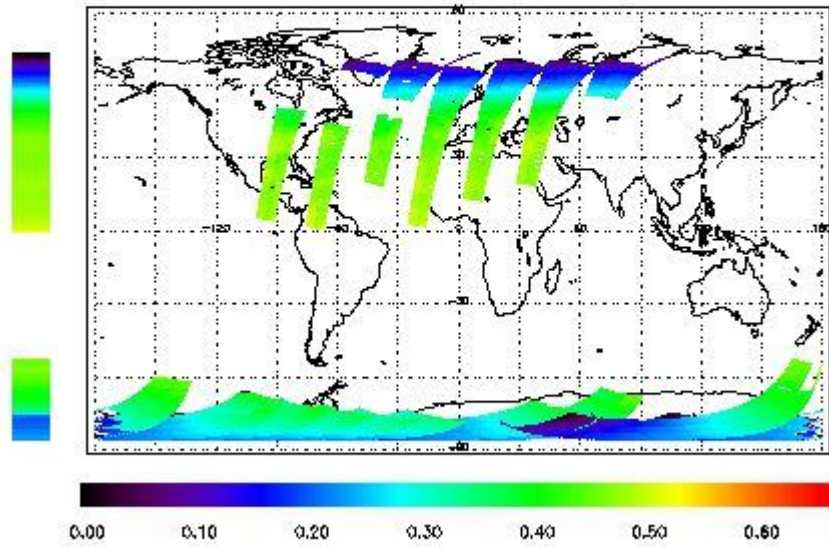


Ozone Line Ratio

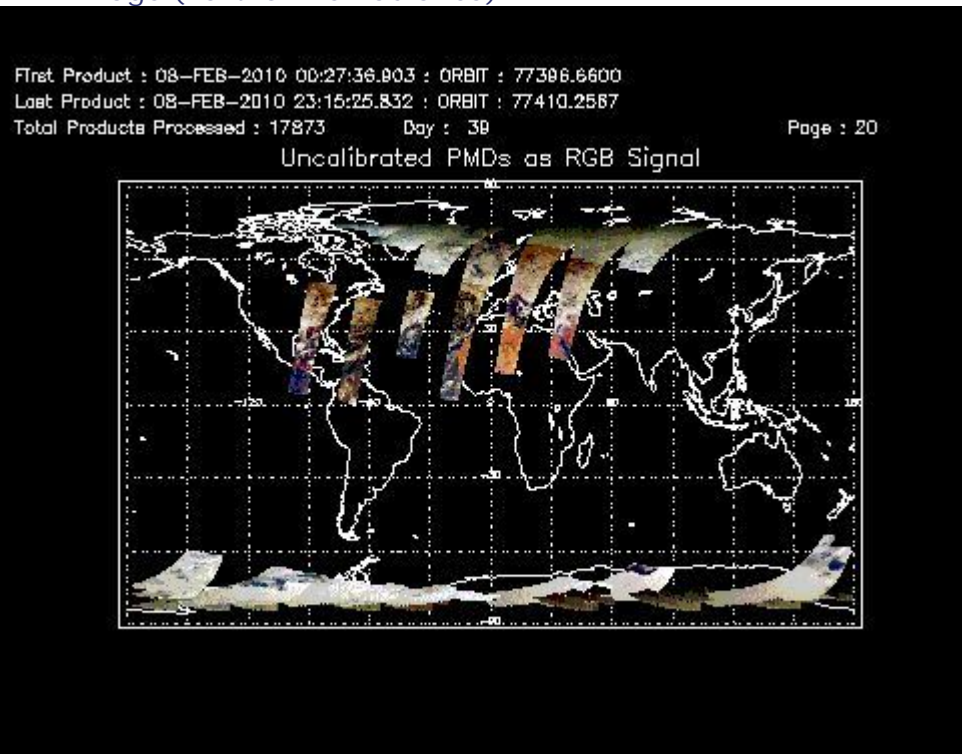
First Product : 08-FEB-2010 00:27:36.903 : ORBIT : 77396.6600
 Last Product : 08-FEB-2010 23:15:25.832 : ORBIT : 77410.2587
 Total Products Processed : 17873 Day : 39

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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	11:33:11.006	--	77403	Yes	--	15262

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