

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-FEB-2011
Start Time of First Product	23:54:20 (17-Feb)
Stop Time of Last Product	23:29:57
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110218CMEP4228.E2	18-FEB-2011	03:08:37.495
EGOI_110218CMEP4232.E2	18-FEB-2011	04:38:53.051
EGOI_110218CMEP4241.E2	18-FEB-2011	15:22:15.016
EGOI_110218CMEP4249.E2	18-FEB-2011	17:00:29.123
EGOI_110218GSEP6097.E2	18-FEB-2011	01:25:38.361
EGOI_110218GSEP6124.E2	18-FEB-2011	03:03:16.464
EGOI_110218GSEP6152.E2	18-FEB-2011	04:45:44.094
EGOI_110218GSEP6158.E2	18-FEB-2011	06:27:34.224
EGOI_110218KSEP2936.E2	17-FEB-2011	23:54:19.803

EGOI_110218KSEP2949.E2	18-FEB-2011	06:44:49.326
EGOI_110218KSEP2968.E2	18-FEB-2011	08:24:46.948
EGOI_110218KSEP2987.E2	18-FEB-2011	10:04:26.555
EGOI_110218KSEP3016.E2	18-FEB-2011	11:43:58.671
EGOI_110218KSEP3033.E2	18-FEB-2011	13:23:00.787
EGOI_110218KSEP3042.E2	18-FEB-2011	15:01:44.894
EGOI_110218KSEP3057.E2	18-FEB-2011	16:39:18.494
EGOI_110218KSEP3085.E2	18-FEB-2011	18:17:20.602
EGOI_110218KSEP3117.E2	18-FEB-2011	19:55:48.205
EGOI_110218KSEP3139.E2	18-FEB-2011	21:36:38.330
EGOI_110218KSEP3155.E2	18-FEB-2011	23:20:55.470
EGOI_110218MAEP2910.E2	18-FEB-2011	08:32:43.988
EGOI_110218MAEP2923.E2	18-FEB-2011	10:11:55.102
EGOI_110218MAEP2940.E2	18-FEB-2011	21:28:41.277
EGOI_110218MIEP3657.E2	18-FEB-2011	02:59:07.436
EGOI_110218MIEP3682.E2	18-FEB-2011	04:39:39.555
EGOI_110218MIEP3707.E2	18-FEB-2011	15:19:19.501
EGOI_110218MIEP3734.E2	18-FEB-2011	16:58:54.611
EGOI_110218MSEP7607.E2	18-FEB-2011	10:19:20.650
EGOI_110218MSEP7636.E2	18-FEB-2011	11:56:57.253
EGOI_110218MSEP7654.E2	18-FEB-2011	13:39:21.881
EGOI_110218MSEP7671.E2	18-FEB-2011	21:29:51.787
EGOI_110218MSEP7703.E2	18-FEB-2011	23:05:50.880
EGOI_110218SGEP1607.E2	18-FEB-2011	02:05:14.603
EGOI_110218SGEP1615.E2	18-FEB-2011	03:40:51.191
EGOI_110218SGEP1622.E2	18-FEB-2011	16:26:30.416

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82764	17-FEB-2011	23:51:09.330	23:54:19.803	190.47300
KS	82768	18-FEB-2011	06:42:58.312	06:44:49.325	111.01300
KS	82769	18-FEB-2011	08:22:18.031	08:24:46.948	148.91700
KS	82770	18-FEB-2011	10:01:55.620	10:04:26.555	150.93500
KS	82771	18-FEB-2011	11:41:26.130	11:43:58.670	152.54000
KS	82772	18-FEB-2011	13:20:31.735	13:23:00.786	149.05100
KS	82773	18-FEB-2011	14:59:05.993	15:01:44.893	158.90000
KS	82774	18-FEB-2011	16:36:42.911	16:39:18.494	155.58300
KS	82775	18-FEB-2011	18:14:35.175	18:17:20.602	165.42700
KS	82776	18-FEB-2011	19:53:37.309	19:55:48.204	130.89500
KS	82777	18-FEB-2011	21:34:27.934	21:36:38.329	130.39500
KS	82778	18-FEB-2011	23:17:51.246	23:20:55.470	184.22400

GS	82765	18-FEB-2011	01:23:40.853	01:25:38.361	117.50800
GS	82766	18-FEB-2011	03:01:15.501	03:03:16.463	120.96200
GS	82767	18-FEB-2011	04:43:51.989	04:45:44.094	112.10500
MS	82770	18-FEB-2011	10:16:43.663	10:19:20.649	156.98600
MS	82771	18-FEB-2011	11:54:16.991	11:56:57.253	160.26200
MS	82778	18-FEB-2011	23:03:33.968	23:05:50.879	136.91100
MA	82769	18-FEB-2011	08:31:07.014	08:32:43.987	96.973000
MA	82770	18-FEB-2011	10:09:59.666	10:11:55.102	115.43600
MA	82777	18-FEB-2011	21:26:04.640	21:28:41.277	156.63700
MI	82766	18-FEB-2011	02:56:44.517	02:59:07.436	142.91900
MI	82767	18-FEB-2011	04:37:18.100	04:39:39.554	141.45400
MI	82773	18-FEB-2011	15:16:58.694	15:19:19.500	140.80600
MI	82774	18-FEB-2011	16:56:30.762	16:58:54.611	143.84900
SG	82765	18-FEB-2011	02:02:34.382	02:05:14.603	160.22100
SG	82766	18-FEB-2011	03:38:16.341	03:40:51.191	154.85000
SG	82766	18-FEB-2011	03:50:10.749	03:52:04.934	114.18500
CM	82773	18-FEB-2011	15:21:00.823	15:22:15.015	74.192000
CM	82774	18-FEB-2011	16:58:53.590	17:00:29.122	95.532000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82764	18-FEB-2011	00:29:05.335	00:43:42.426	877.09100
MM	82764	18-FEB-2011	00:40:56.741	00:51:47.542	650.80100
BE	82765	18-FEB-2011	01:48:43.494	01:59:44.552	661.05800
MM	82765	18-FEB-2011	02:23:24.652	02:32:08.158	523.50600
BE	82766	18-FEB-2011	03:27:20.078	03:40:30.266	790.18800
MM	82766	18-FEB-2011	04:06:29.628	04:12:57.582	387.95400
MM	82767	18-FEB-2011	05:49:00.243	05:54:54.244	354.00100
MM	82768	18-FEB-2011	07:30:12.044	07:37:55.638	463.59400
JO	82768	18-FEB-2011	07:09:01.084	07:21:47.887	766.80300
MM	82769	18-FEB-2011	09:10:41.504	09:20:44.295	602.79100
JO	82769	18-FEB-2011	08:47:08.769	09:01:41.639	872.87000
MM	82770	18-FEB-2011	10:50:52.433	11:02:36.078	703.64500
MM	82771	18-FEB-2011	12:30:49.873	12:43:23.425	753.55200
MA	82771	18-FEB-2011	11:51:59.581	11:57:05.332	305.75100

HO	82772	18-FEB-2011	14:19:29.912	14:32:10.031	760.11900
MM	82772	18-FEB-2011	14:10:32.932	14:23:16.646	763.71400
SG	82772	18-FEB-2011	14:34:46.961	14:46:48.150	721.18900
BE	82773	18-FEB-2011	14:44:14.024	14:57:07.962	773.93800
MM	82773	18-FEB-2011	15:49:59.829	16:02:35.681	755.85200
GS	82773	18-FEB-2011	15:10:48.524	15:24:02.934	794.41000
SG	82773	18-FEB-2011	16:13:41.974	16:26:05.334	743.36000
MM	82774	18-FEB-2011	17:29:12.177	17:41:43.845	751.66800
GS	82774	18-FEB-2011	16:50:14.057	17:03:20.170	786.11300
MM	82775	18-FEB-2011	19:08:20.872	19:20:59.390	758.51800
JO	82775	18-FEB-2011	19:29:04.273	19:40:41.284	697.01100
MM	82776	18-FEB-2011	20:47:46.692	21:00:30.511	763.81900
MA	82776	18-FEB-2011	19:47:03.239	19:59:41.199	757.96000
JO	82776	18-FEB-2011	21:07:00.064	21:21:48.703	888.63900
HO	82777	18-FEB-2011	22:20:43.731	22:32:30.252	706.52100
MM	82777	18-FEB-2011	22:27:52.925	22:40:17.639	744.71400
HO	82778	18-FEB-2011	23:57:58.439	00:12:29.489	871.05000

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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

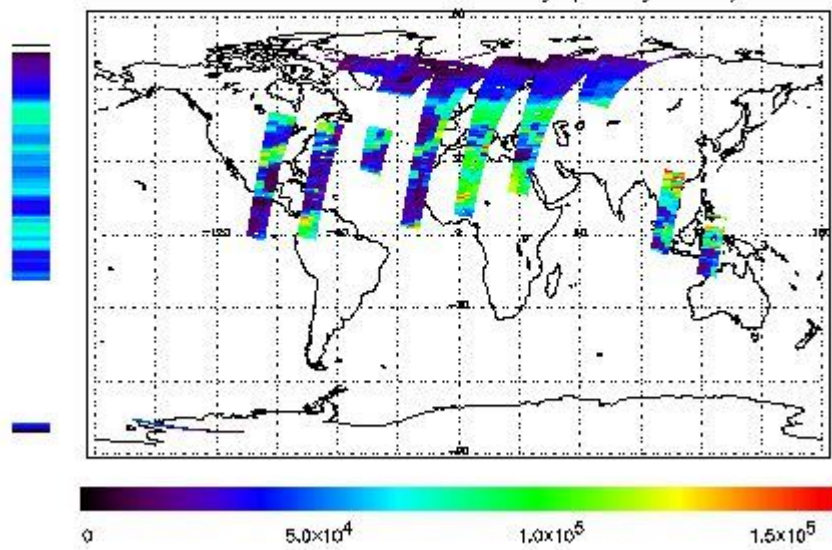
2.2 - Daily Plots

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

Fret Product : 17-FEB-2011 23:54:19.803 : ORBIT : 82764.1862
 Last Product : 18-FEB-2011 23:29:57.024 : ORBIT : 82778.2582
 Total Products Processed : 15339 Day : 49 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

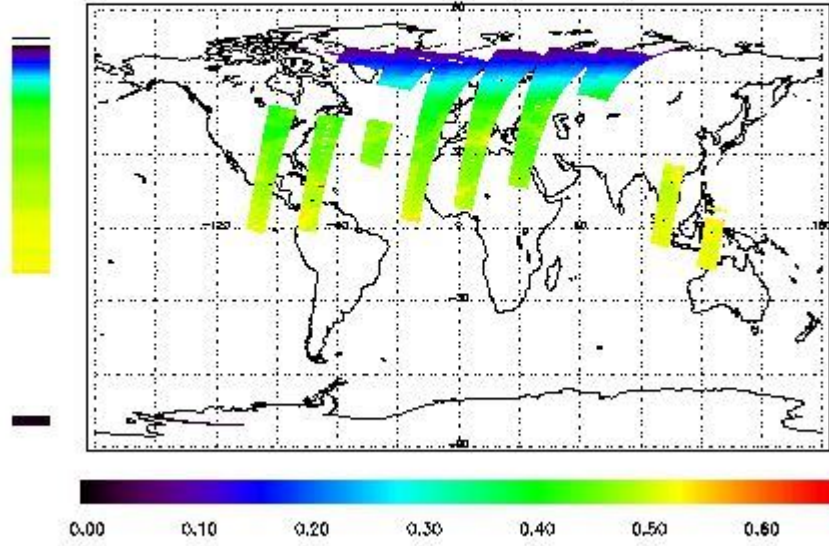


Ozone Line Ratio

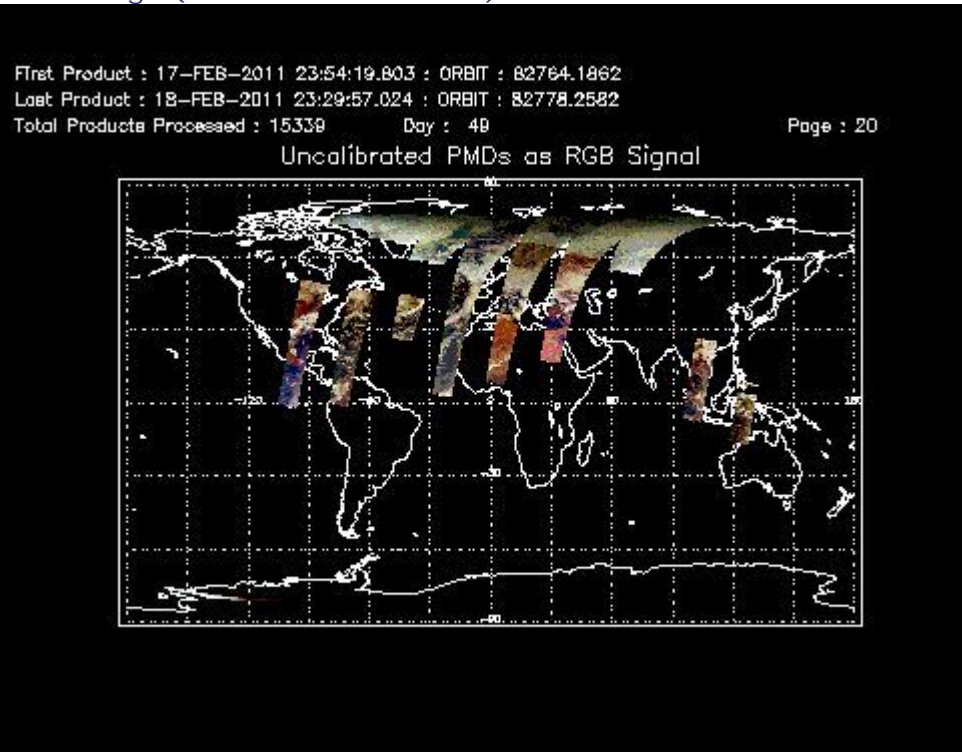
First Product : 17-FEB-2011 23:54:19.803 : ORBIT : 82764.1862
 Last Product : 18-FEB-2011 23:29:57.024 : ORBIT : 82778.2582
 Total Products Processed : 15339 Day : 49

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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	11:46:49.690	--	82771	Yes	--	15285

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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(1)

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
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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