

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-FEB-2011
Start Time of First Product	00:29:57
Stop Time of Last Product	22:41:39
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_110210CMEP3969.E2	10-FEB-2011	03:50:39.761
EGOI_110210CMEP3979.E2	10-FEB-2011	05:29:49.364
EGOI_110210CMEP3984.E2	10-FEB-2011	16:12:02.319
EGOI_110210CMEP3996.E2	10-FEB-2011	17:53:31.442
EGOI_110210GSEP5552.E2	10-FEB-2011	02:15:25.674
EGOI_110210GSEP5579.E2	10-FEB-2011	03:55:18.788
EGOI_110210GSEP5587.E2	10-FEB-2011	05:37:47.922
EGOI_110210KSEP0976.E2	10-FEB-2011	07:35:59.142
EGOI_110210KSEP0995.E2	10-FEB-2011	09:16:04.262

EGOI_110210KSEP1020.E2	10-FEB-2011	10:55:42.374
EGOI_110210KSEP1044.E2	10-FEB-2011	12:35:00.981
EGOI_110210KSEP1054.E2	10-FEB-2011	14:13:57.092
EGOI_110210KSEP1080.E2	10-FEB-2011	15:51:48.693
EGOI_110210KSEP1109.E2	10-FEB-2011	17:29:43.293
EGOI_110210KSEP1141.E2	10-FEB-2011	19:07:33.400
EGOI_110210KSEP1172.E2	10-FEB-2011	20:47:23.513
EGOI_110210KSEP1198.E2	10-FEB-2011	22:29:10.643
EGOI_110210MAEP2658.E2	10-FEB-2011	09:23:10.304
EGOI_110210MAEP2669.E2	10-FEB-2011	11:03:19.916
EGOI_110210MAEP2688.E2	10-FEB-2011	22:21:25.592
EGOI_110210MIEP2863.E2	10-FEB-2011	02:12:52.658
EGOI_110210MIEP2878.E2	10-FEB-2011	03:50:39.761
EGOI_110210MIEP2896.E2	10-FEB-2011	14:33:16.706
EGOI_110210MIEP2923.E2	10-FEB-2011	16:10:02.307
EGOI_110210MIEP2935.E2	10-FEB-2011	17:52:41.934
EGOI_110210MSEP6645.E2	10-FEB-2011	00:29:56.522
EGOI_110210MSEP6664.E2	10-FEB-2011	11:08:55.952
EGOI_110210MSEP6691.E2	10-FEB-2011	12:48:40.064
EGOI_110210MSEP6721.E2	10-FEB-2011	22:18:18.072
EGOI_110210SGEP1404.E2	10-FEB-2011	02:53:04.901
EGOI_110210SGEP1411.E2	10-FEB-2011	04:32:55.016
EGOI_110210SGEP1418.E2	10-FEB-2011	13:52:38.959
EGOI_110210SGEP1426.E2	10-FEB-2011	17:12:28.187

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82654	10-FEB-2011	07:33:58.191	07:35:59.142	120.95100
KS	82655	10-FEB-2011	09:13:32.031	09:16:04.262	152.23100
KS	82656	10-FEB-2011	10:53:08.114	10:55:42.373	154.25900
KS	82657	10-FEB-2011	12:32:28.233	12:35:00.981	152.74800
KS	82658	10-FEB-2011	14:11:20.852	14:13:57.092	156.24000
KS	82659	10-FEB-2011	15:49:13.280	15:51:48.692	155.41200
KS	82660	10-FEB-2011	17:27:07.317	17:29:43.292	155.97500
KS	82661	10-FEB-2011	19:05:19.883	19:07:33.400	133.51700
KS	82662	10-FEB-2011	20:45:13.182	20:47:23.513	130.33100
KS	82663	10-FEB-2011	22:27:14.981	22:29:10.642	115.66100
GS	82651	10-FEB-2011	02:13:44.245	02:15:25.674	101.42900
GS	82652	10-FEB-2011	03:53:12.550	03:55:18.788	126.23800
MS	82650	10-FEB-2011	00:27:59.640	00:29:56.522	116.88200

MS	82656	10-FEB-2011	11:06:16.455	11:08:55.952	159.49700
MS	82657	10-FEB-2011	12:46:07.458	12:48:40.064	152.60600
MS	82663	10-FEB-2011	22:16:13.190	22:18:18.071	124.88100
MS	82664	10-FEB-2011	23:55:18.551	23:57:35.184	136.63300
MA	82655	10-FEB-2011	09:21:42.945	09:23:10.303	87.358000
MA	82656	10-FEB-2011	11:01:59.395	11:03:19.915	80.520000
MI	82651	10-FEB-2011	02:10:33.306	02:12:52.657	139.35100
MI	82652	10-FEB-2011	03:47:33.380	03:50:39.761	186.38100
MI	82652	10-FEB-2011	03:58:29.307	04:00:44.764	135.45700
MI	82658	10-FEB-2011	14:31:02.333	14:33:16.706	134.37300
MI	82659	10-FEB-2011	16:07:36.935	16:10:02.306	145.37100
MI	82660	10-FEB-2011	17:50:37.000	17:52:41.934	124.93400
SG	82651	10-FEB-2011	02:50:32.520	02:53:04.900	152.38000
SG	82652	10-FEB-2011	04:30:32.871	04:32:55.015	142.14400
CM	82653	10-FEB-2011	05:28:48.354	05:29:49.363	61.009000
CM	82659	10-FEB-2011	16:10:29.863	16:12:02.319	92.456000
CM	82660	10-FEB-2011	17:52:06.471	17:53:31.441	84.970000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	82649	09-FEB-2011	23:51:33.080	00:03:09.036	695.95600
HO	82650	10-FEB-2011	01:21:35.980	01:34:05.741	749.76100
MM	82650	10-FEB-2011	01:33:31.362	01:43:21.535	590.17300
BE	82651	10-FEB-2011	02:39:03.685	02:52:17.254	793.56900
MM	82651	10-FEB-2011	03:16:24.298	03:23:53.886	449.58800
CM	82651	10-FEB-2011	03:46:34.649	03:58:46.720	732.07100
BE	82652	10-FEB-2011	04:19:03.295	04:30:12.829	669.53400
MM	82652	10-FEB-2011	04:59:22.525	05:05:12.271	349.74600
MM	82653	10-FEB-2011	06:41:10.869	06:47:49.990	399.12100
KS	82653	10-FEB-2011	05:55:25.697	05:59:51.165	265.46800
JO	82653	10-FEB-2011	06:24:28.247	06:31:10.047	401.80000
MM	82654	10-FEB-2011	08:21:56.034	08:30:53.624	537.59000
JO	82654	10-FEB-2011	07:58:43.931	08:13:37.790	893.85900
MM	82655	10-FEB-2011	10:02:14.600	10:13:15.640	661.04000
JO	82655	10-FEB-2011	09:40:13.469	09:51:17.566	664.09700

MM	82656	10-FEB-2011	11:42:18.512	11:54:33.823	735.31100
MM	82657	10-FEB-2011	13:22:08.794	13:34:51.310	762.51600
BE	82658	10-FEB-2011	13:55:39.820	14:09:01.523	801.70300
HO	82658	10-FEB-2011	15:11:46.179	15:20:07.175	500.99600
MM	82658	10-FEB-2011	15:01:43.701	15:14:24.079	760.37800
GS	82658	10-FEB-2011	14:23:23.083	14:33:54.858	631.77500
BE	82659	10-FEB-2011	15:37:19.777	15:47:07.322	587.54500
MM	82659	10-FEB-2011	16:41:02.418	16:53:34.714	752.29600
GS	82659	10-FEB-2011	16:01:44.306	16:15:39.976	835.67000
MM	82660	10-FEB-2011	18:20:10.842	18:32:45.036	754.19400
GS	82660	10-FEB-2011	17:42:00.279	17:52:38.449	638.17000
MM	82661	10-FEB-2011	19:59:25.346	20:12:08.150	762.80400
MA	82661	10-FEB-2011	19:03:23.961	19:08:50.711	326.75000
JO	82661	10-FEB-2011	20:18:50.945	20:33:32.236	881.29100
MM	82662	10-FEB-2011	21:39:09.259	21:51:47.741	758.48200
MA	82662	10-FEB-2011	20:37:14.901	20:50:54.839	819.93800
JO	82662	10-FEB-2011	21:58:56.324	22:11:21.167	744.84300
HO	82663	10-FEB-2011	23:10:12.851	23:24:04.419	831.56800
MM	82663	10-FEB-2011	23:19:43.725	23:31:42.272	718.54700

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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

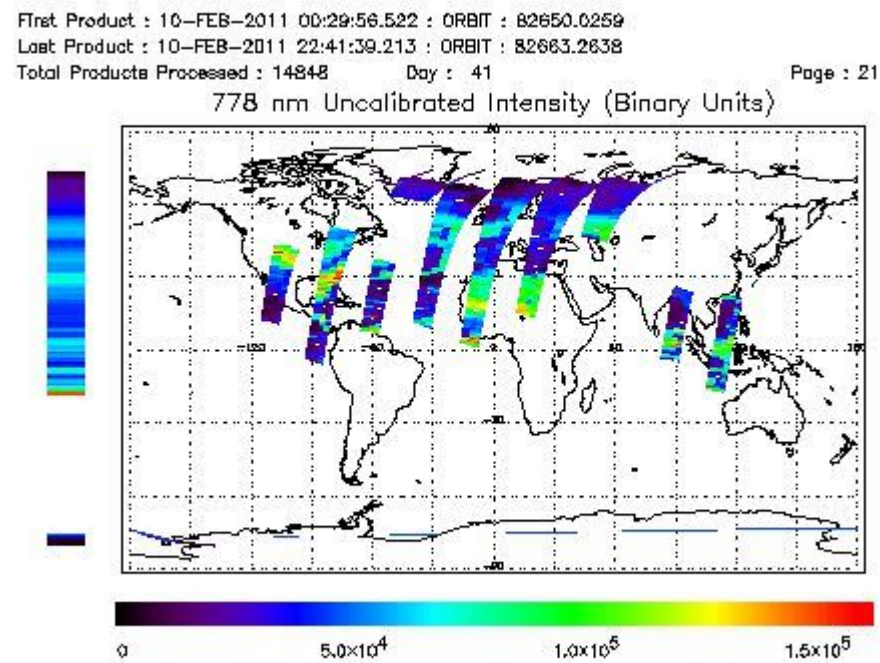
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

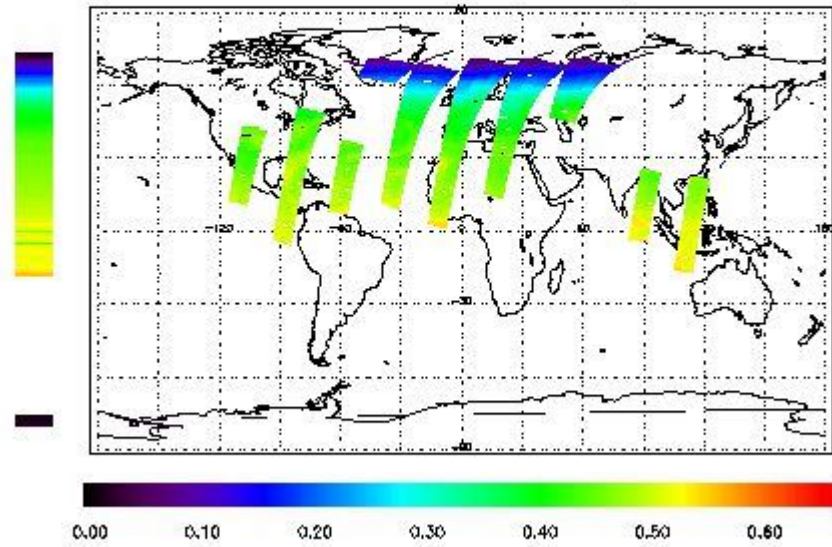


Ozone Line Ratio

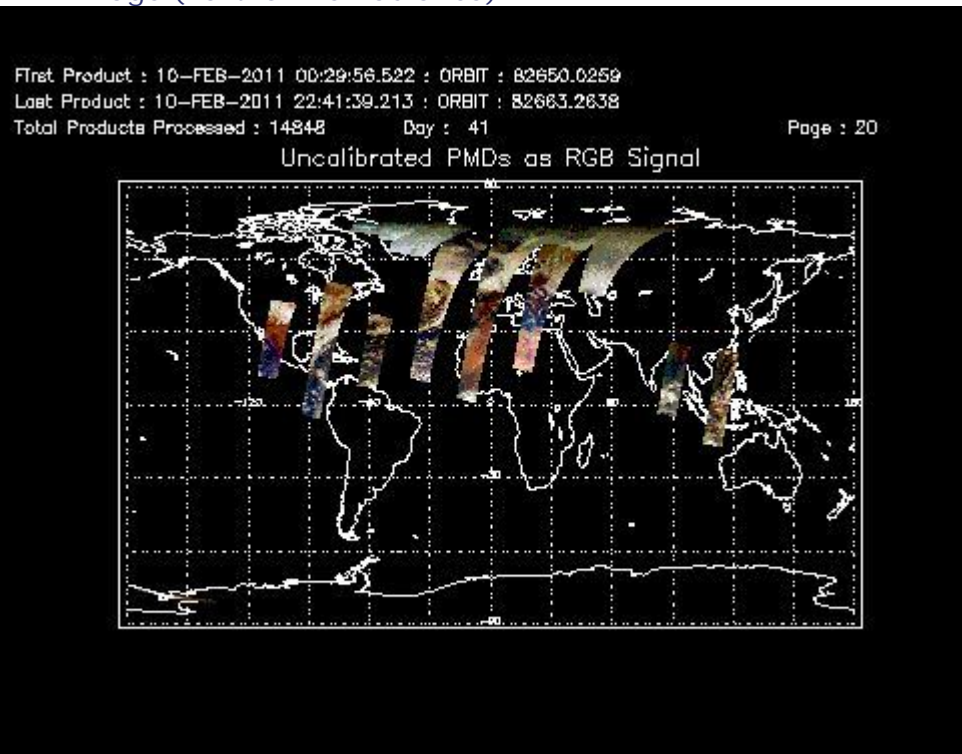
First Product : 10-FEB-2011 00:29:56.522 : ORBIT : 82650.0259
 Last Product : 10-FEB-2011 22:41:39.213 : ORBIT : 82663.2638
 Total Products Processed : 14848 Day : 41

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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	12:39:26.508	--	82657	Yes	--	15352

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