

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-FEB-2011
Start Time of First Product	23:45:58
Stop Time of Last Product	23:38:30
Number of EGOI Products analysed	34
Number of corrupted products	
Anomalies and/or Special Operations	

1.2 - List of received products

Name	Date	Time
EGOI_110205CMEP3804.E2	05-FEB-2011	03:06:49.162
EGOI_110205CMEP3812.E2	05-FEB-2011	04:47:54.277
EGOI_110205CMEP3820.E2	05-FEB-2011	15:30:40.235
EGOI_110205CMEP3828.E2	05-FEB-2011	17:09:07.842
EGOI_110205GSEP5179.E2	05-FEB-2011	01:33:53.086
EGOI_110205GSEP5211.E2	05-FEB-2011	03:11:49.193
EGOI_110205GSEP5221.E2	05-FEB-2011	04:54:45.323
EGOI_110205KSEP0003.E2	05-FEB-2011	20:04:20.921
EGOI_110205KSEP9827.E2	05-FEB-2011	06:53:25.051

EGOI_110205KSEP9846.E2	05-FEB-2011	08:33:21.167
EGOI_110205KSEP9870.E2	05-FEB-2011	10:13:02.278
EGOI_110205KSEP9901.E2	05-FEB-2011	11:52:31.398
EGOI_110205KSEP9919.E2	05-FEB-2011	13:31:32.006
EGOI_110205KSEP9928.E2	05-FEB-2011	15:10:14.609
EGOI_110205KSEP9937.E2	05-FEB-2011	21:45:23.045
EGOI_110205KSEP9941.E2	05-FEB-2011	16:47:45.209
EGOI_110205KSEP9962.E2	05-FEB-2011	23:28:40.181
EGOI_110205KSEP9970.E2	05-FEB-2011	18:25:36.814
EGOI_110205MAEP2493.E2	05-FEB-2011	08:41:34.721
EGOI_110205MAEP2507.E2	05-FEB-2011	10:20:26.325
EGOI_110205MIEP2326.E2	05-FEB-2011	03:07:26.666
EGOI_110205MIEP2351.E2	05-FEB-2011	04:48:42.285
EGOI_110205MIEP2374.E2	05-FEB-2011	15:27:47.715
EGOI_110205MIEP2400.E2	05-FEB-2011	17:07:42.331
EGOI_110205MSEP6024.E2	04-FEB-2011	23:45:58.423
EGOI_110205MSEP6044.E2	05-FEB-2011	10:27:35.373
EGOI_110205MSEP6073.E2	05-FEB-2011	12:05:28.473
EGOI_110205MSEP6082.E2	05-FEB-2011	13:48:23.104
EGOI_110205MSEP6106.E2	05-FEB-2011	21:37:46.998
EGOI_110205MSEP6139.E2	05-FEB-2011	23:14:25.091
EGOI_110205SGEP1276.E2	05-FEB-2011	02:18:15.857
EGOI_110205SGEP1283.E2	05-FEB-2011	03:56:32.963
EGOI_110205SGEP1290.E2	05-FEB-2011	14:47:27.972
EGOI_110205SGEP1295.E2	05-FEB-2011	16:25:18.076

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82590	05-FEB-2011	20:02:11.162	20:04:20.920	129.75800
KS	82582	05-FEB-2011	06:51:26.930	06:53:25.051	118.12100
KS	82583	05-FEB-2011	08:30:50.218	08:33:21.167	150.94900
KS	82584	05-FEB-2011	10:10:27.894	10:13:02.277	154.38300
KS	82585	05-FEB-2011	11:49:57.007	11:52:31.398	154.39100
KS	82586	05-FEB-2011	13:28:59.554	13:31:32.005	152.45100
KS	82587	05-FEB-2011	15:07:26.940	15:10:14.609	167.66900
KS	82591	05-FEB-2011	21:43:12.840	21:45:23.044	130.20400
KS	82588	05-FEB-2011	16:45:03.691	16:47:45.209	161.51800
KS	82592	05-FEB-2011	23:26:52.887	23:28:40.181	107.29400
KS	82589	05-FEB-2011	18:23:01.203	18:25:36.814	155.61100
GS	82579	05-FEB-2011	01:31:51.919	01:33:53.085	121.16600

GS	82580	05-FEB-2011	03:09:49.599	03:11:49.193	119.59400
MS	82584	05-FEB-2011	10:24:53.842	10:27:35.372	161.53000
MS	82585	05-FEB-2011	12:02:55.693	12:05:28.472	152.77900
MS	82592	05-FEB-2011	23:12:04.369	23:14:25.091	140.72200
MA	82583	05-FEB-2011	08:39:42.579	08:41:34.720	112.14100
MA	82584	05-FEB-2011	10:18:32.230	10:20:26.324	114.09400
MI	82580	05-FEB-2011	03:05:05.525	03:07:26.666	141.14100
MI	82581	05-FEB-2011	04:46:21.035	04:48:42.285	141.25000
MI	82587	05-FEB-2011	15:25:19.557	15:27:47.714	148.15700
MI	82588	05-FEB-2011	17:05:16.314	17:07:42.330	146.01600
SG	82579	05-FEB-2011	02:10:11.600	02:18:15.857	484.25700
SG	82580	05-FEB-2011	03:46:51.042	03:56:32.963	581.92100
SG	82586	05-FEB-2011	14:42:58.401	14:47:27.971	269.57000
SG	82587	05-FEB-2011	16:22:31.135	16:25:18.075	166.94000
CM	82580	05-FEB-2011	03:05:26.845	03:06:49.162	82.317000
CM	82587	05-FEB-2011	15:29:03.737	15:30:40.234	96.497000
CM	82588	05-FEB-2011	17:07:34.583	17:09:07.842	93.259000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82578	05-FEB-2011	00:37:54.300	00:52:11.174	856.87400
MM	82578	05-FEB-2011	00:49:41.352	01:00:22.916	641.56400
KS	82578	05-FEB-2011	00:00:21.746	00:05:49.730	327.98400
BE	82579	05-FEB-2011	01:57:01.879	02:08:38.126	696.24700
MM	82579	05-FEB-2011	02:32:14.025	02:40:45.200	511.17500
BE	82580	05-FEB-2011	03:35:54.541	03:48:53.338	778.79700
MM	82580	05-FEB-2011	04:15:19.452	04:21:38.556	379.10400
MM	82581	05-FEB-2011	05:57:43.496	06:03:42.498	359.00200
MM	82582	05-FEB-2011	07:38:49.971	07:46:45.866	475.89500
JO	82582	05-FEB-2011	07:17:10.585	07:30:30.877	800.29200
MM	82583	05-FEB-2011	09:19:17.306	09:29:30.674	613.36800
JO	82583	05-FEB-2011	08:55:50.339	09:10:04.661	854.32200
MM	82584	05-FEB-2011	10:59:27.023	11:11:16.889	709.86600
MM	82585	05-FEB-2011	12:39:23.297	12:51:59.016	755.71900
HO	82586	05-FEB-2011	14:28:08.986	14:40:10.302	721.31600

MM	82586	05-FEB-2011	14:19:05.031	14:31:48.431	763.40000
SG	82586	05-FEB-2011	14:42:58.401	14:55:35.190	756.78900
BE	82587	05-FEB-2011	14:52:56.540	15:05:33.147	756.60700
MM	82587	05-FEB-2011	15:58:30.523	16:11:05.630	755.10700
GS	82587	05-FEB-2011	15:19:15.591	15:32:44.463	808.87200
MM	82588	05-FEB-2011	17:37:41.973	17:50:13.846	751.87300
GS	82588	05-FEB-2011	16:58:49.729	17:11:38.515	768.78600
MM	82589	05-FEB-2011	19:16:51.213	19:29:30.543	759.33000
JO	82589	05-FEB-2011	19:37:14.051	19:49:39.950	745.89900
MM	82590	05-FEB-2011	20:56:19.625	21:09:03.093	763.46800
MA	82590	05-FEB-2011	19:55:19.908	20:08:28.914	789.00600
JO	82590	05-FEB-2011	21:15:35.061	21:30:11.367	876.30600
HO	82591	05-FEB-2011	22:28:52.388	22:41:06.923	734.53500
MM	82591	05-FEB-2011	22:36:30.260	22:48:51.494	741.23400
MA	82591	05-FEB-2011	21:34:46.502	21:47:38.590	772.08800

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
---------	-------	------

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

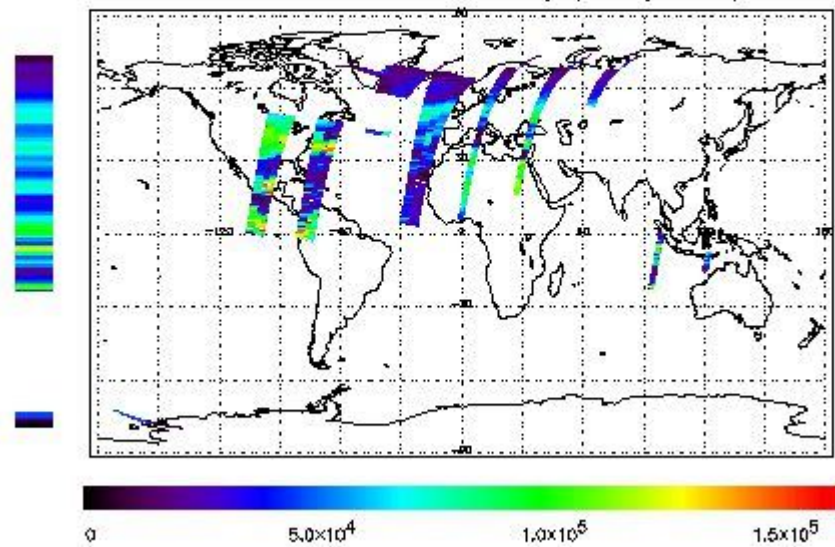
2.2 - Daily Plots

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 : 04-FEB-2011 23:45:58.423 : ORBIT : 82578.0175
 Last Product : 05-FEB-2011 23:38:29.739 : ORBIT : 82592.2574
 Total Products Processed : 15663 Day : 36 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

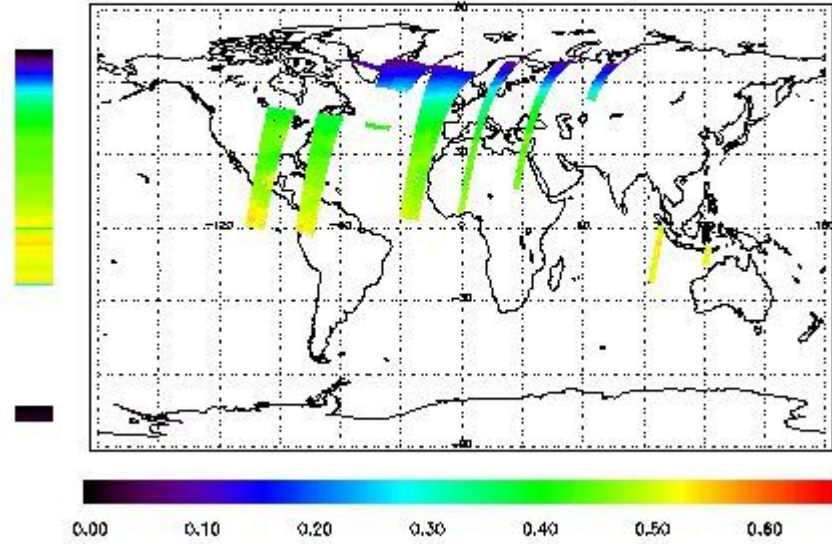


Ozone Line Ratio

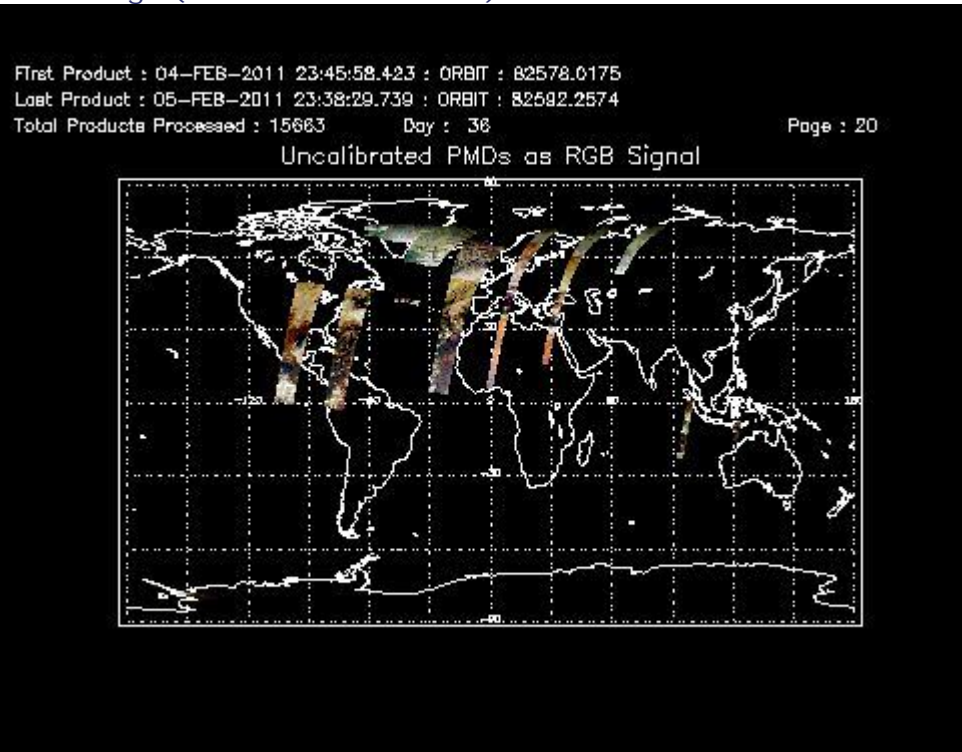
First Product : 04-FEB-2011 23:45:58.423 : ORBIT : 82578.0175
 Last Product : 05-FEB-2011 23:38:29.739 : ORBIT : 82592.2574
 Total Products Processed : 15663 Day : 36

Page : 20

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	11:56:53.921	--	82585	Yes	--	15485

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)
--	--	--	--	--	--	--	--

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

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
14:00	12:00	82572	82585

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[[BACK TO MENU](#)]

(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