

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	13-OCT-2010
Start Time of First Product	00:00:24
Stop Time of Last Product	23:52:27
Number of EGOI Products analysed	45
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101013GSEP7014.E2	13-OCT-2010	01:47:17.445
EGOI_101013GSEP7042.E2	13-OCT-2010	03:26:00.044
EGOI_101013GSEP7050.E2	13-OCT-2010	05:08:47.183
EGOI_101013HLEP8081.E2	13-OCT-2010	01:00:23.154
EGOI_101013HLEP8087.E2	13-OCT-2010	11:29:00.010
EGOI_101013HLEP8098.E2	13-OCT-2010	22:49:26.698
EGOI_101013KSEP1808.E2	13-OCT-2010	07:07:22.404
EGOI_101013KSEP1825.E2	13-OCT-2010	08:47:23.018
EGOI_101013KSEP1849.E2	13-OCT-2010	10:27:02.629

EGOI_101013KSEP1879.E2	13-OCT-2010	12:06:30.241
EGOI_101013KSEP1892.E2	13-OCT-2010	13:45:29.352
EGOI_101013KSEP1917.E2	13-OCT-2010	15:23:59.955
EGOI_101013KSEP1946.E2	13-OCT-2010	17:01:26.059
EGOI_101013KSEP1977.E2	13-OCT-2010	18:39:23.659
EGOI_101013KSEP1998.E2	13-OCT-2010	20:18:21.267
EGOI_101013KSEP2024.E2	13-OCT-2010	21:59:44.389
EGOI_101013KSEP2048.E2	13-OCT-2010	23:43:37.532
EGOI_101013MAEP8272.E2	13-OCT-2010	08:55:05.065
EGOI_101013MAEP8276.E2	13-OCT-2010	08:55:05.065
EGOI_101013MAEP8286.E2	13-OCT-2010	10:34:29.676
EGOI_101013MAEP8290.E2	13-OCT-2010	08:55:05.065
EGOI_101013MAEP8296.E2	13-OCT-2010	10:34:29.677
EGOI_101013MAEP8309.E2	13-OCT-2010	20:11:43.727
EGOI_101013MAEP8325.E2	13-OCT-2010	21:51:41.342
EGOI_101013MIEP3234.E2	13-OCT-2010	01:47:02.441
EGOI_101013MIEP3258.E2	13-OCT-2010	03:21:19.517
EGOI_101013MIEP3279.E2	13-OCT-2010	05:03:51.651
EGOI_101013MIEP3300.E2	13-OCT-2010	15:41:30.065
EGOI_101013MIEP3318.E2	13-OCT-2010	17:22:09.684
EGOI_101013MMEP6591.E2	13-OCT-2010	01:05:32.186
EGOI_101013MMEP6598.E2	13-OCT-2010	02:47:55.313
EGOI_101013MMEP6606.E2	13-OCT-2010	04:30:37.943
EGOI_101013MMEP6618.E2	13-OCT-2010	14:34:59.654
EGOI_101013MMEP6624.E2	13-OCT-2010	16:14:18.269
EGOI_101013MMEP6632.E2	13-OCT-2010	19:32:56.984
EGOI_101013MMEP6639.E2	13-OCT-2010	21:12:24.599
EGOI_101013MMEP6646.E2	13-OCT-2010	22:52:23.715
EGOI_101013MSEP2767.E2	13-OCT-2010	00:00:24.282
EGOI_101013MSEP2785.E2	13-OCT-2010	10:41:07.216
EGOI_101013MSEP2813.E2	13-OCT-2010	12:19:45.323
EGOI_101013MSEP2834.E2	13-OCT-2010	21:51:02.338
EGOI_101013MSEP2852.E2	13-OCT-2010	23:28:35.938
EGOI_101013SGEP8636.E2	13-OCT-2010	02:32:17.719
EGOI_101013SGEP8643.E2	13-OCT-2010	04:09:57.318
EGOI_101013SGEP8648.E2	13-OCT-2010	16:40:04.925

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80936	13-OCT-2010	07:05:36.099	07:07:22.404	106.30500
KS	80937	13-OCT-2010	08:45:04.031	08:47:23.017	138.98600
KS	80938	13-OCT-2010	10:24:41.539	10:27:02.629	141.09000
KS	80939	13-OCT-2010	12:04:08.030	12:06:30.240	142.21000

KS	80940	13-OCT-2010	13:43:05.164	13:45:29.351	144.18700
KS	80941	13-OCT-2010	15:21:17.211	15:23:59.954	162.74300
KS	80942	13-OCT-2010	16:58:59.510	17:01:26.058	146.54800
KS	80943	13-OCT-2010	18:37:05.779	18:39:23.659	137.88000
KS	80944	13-OCT-2010	20:16:29.417	20:18:21.267	111.85000
KS	80945	13-OCT-2010	21:57:50.194	21:59:44.388	114.19400
KS	80946	13-OCT-2010	23:42:00.776	23:43:37.531	96.755000
GS	80933	13-OCT-2010	01:45:35.226	01:47:17.444	102.21800
GS	80934	13-OCT-2010	03:24:10.993	03:26:00.044	109.05100
MS	80932	12-OCT-2010	23:58:14.332	00:00:24.281	129.94900
MS	80938	13-OCT-2010	10:38:37.294	10:41:07.216	149.92200
MS	80939	13-OCT-2010	12:17:16.660	12:19:45.322	148.66200
MS	80945	13-OCT-2010	21:49:11.633	21:51:02.337	110.70400
MS	80946	13-OCT-2010	23:26:20.993	23:28:35.938	134.94500
MA	80938	13-OCT-2010	10:32:42.187	10:34:29.675	107.48800
MA	80938	13-OCT-2010	10:32:42.187	10:34:29.677	107.49000
MA	80944	13-OCT-2010	20:09:12.497	20:11:43.727	151.23000
MA	80945	13-OCT-2010	21:49:57.483	21:51:41.341	103.85800
MI	80933	13-OCT-2010	01:45:14.921	01:47:02.441	107.52000
MI	80934	13-OCT-2010	03:19:06.986	03:21:19.516	132.53000
MI	80935	13-OCT-2010	05:01:47.050	05:03:51.650	124.60000
MI	80941	13-OCT-2010	15:39:19.717	15:41:30.065	130.34800
MI	80942	13-OCT-2010	17:20:00.269	17:22:09.684	129.41500
MI	80942	13-OCT-2010	17:27:27.714	17:29:32.534	124.82000
MM	80932	13-OCT-2010	01:04:16.753	01:05:32.186	75.433000
MM	80940	13-OCT-2010	14:33:18.263	14:34:59.653	101.39000
MM	80940	13-OCT-2010	14:37:55.173	14:46:00.881	485.70800
MM	80941	13-OCT-2010	16:12:41.434	16:14:18.269	96.835000
MM	80943	13-OCT-2010	19:31:02.105	19:32:56.983	114.87800
MM	80944	13-OCT-2010	21:10:35.217	21:12:24.599	109.38200
MM	80945	13-OCT-2010	22:50:53.473	22:52:23.714	90.241000
SG	80933	13-OCT-2010	02:23:20.997	02:32:17.719	536.72200
SG	80934	13-OCT-2010	04:01:15.269	04:09:57.317	522.04800
SG	80941	13-OCT-2010	16:37:24.529	16:40:04.925	160.39600

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80932	13-OCT-2010	00:52:26.336	01:06:12.445	826.10900
KS	80932	13-OCT-2010	00:15:56.865	00:19:32.905	216.04000
BE	80933	13-OCT-2010	02:10:57.739	02:23:19.358	741.61900
BE	80934	13-OCT-2010	03:50:14.235	04:02:46.706	752.47100
CM	80934	13-OCT-2010	03:18:57.507	03:29:54.056	656.54900
CM	80934	13-OCT-2010	04:58:23.557	05:08:49.797	626.24000
MM	80935	13-OCT-2010	06:12:14.187	06:18:23.997	369.81000
MM	80936	13-OCT-2010	07:53:12.607	08:01:29.164	496.55700
JO	80936	13-OCT-2010	07:30:53.768	07:44:57.939	844.17100
MM	80937	13-OCT-2010	09:33:36.710	09:44:06.963	630.25300
JO	80937	13-OCT-2010	09:10:26.654	09:23:57.945	811.29100
HO	80938	13-OCT-2010	11:24:03.949	11:35:02.761	658.81200
MM	80938	13-OCT-2010	11:13:44.458	11:25:43.838	719.38000
HO	80939	13-OCT-2010	13:02:13.509	13:17:02.598	889.08900
MM	80939	13-OCT-2010	12:53:38.763	13:06:17.464	758.70100
HO	80940	13-OCT-2010	14:42:36.690	14:53:07.056	630.36600
GS	80940	13-OCT-2010	13:56:17.565	14:03:15.777	418.21200
SG	80940	13-OCT-2010	14:56:46.183	15:10:05.589	799.40600
BE	80941	13-OCT-2010	15:07:33.918	15:19:31.356	717.43800
GS	80941	13-OCT-2010	15:33:22.885	15:47:08.694	825.80900
SG	80941	13-OCT-2010	16:37:24.529	16:47:39.549	615.02000
CM	80941	13-OCT-2010	15:42:41.747	15:53:45.110	663.36300
MM	80942	13-OCT-2010	17:51:51.583	18:04:24.007	752.42400
GS	80942	13-OCT-2010	17:13:10.801	17:25:24.602	733.80100
CM	80942	13-OCT-2010	17:22:10.176	17:32:29.890	619.71400
JO	80943	13-OCT-2010	19:50:58.881	20:04:27.262	808.38100
JO	80944	13-OCT-2010	21:29:56.936	21:44:03.156	846.22000
HO	80945	13-OCT-2010	22:42:32.185	22:55:26.470	774.28500

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
MM	80933	02:54:31.352

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	Polar View operated
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

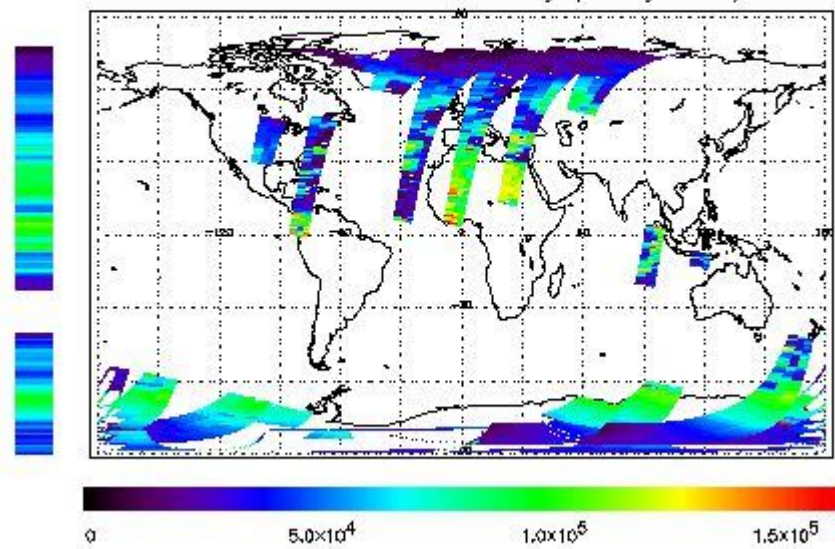
2.2 - Daily Plots

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 : 13-OCT-2010 00:00:24.282 : ORBIT : 80932.0180
 Last Product : 13-OCT-2010 23:52:27.086 : ORBIT : 80946.2533
 Total Products Processed : 20461 Day : 286 Page : 21

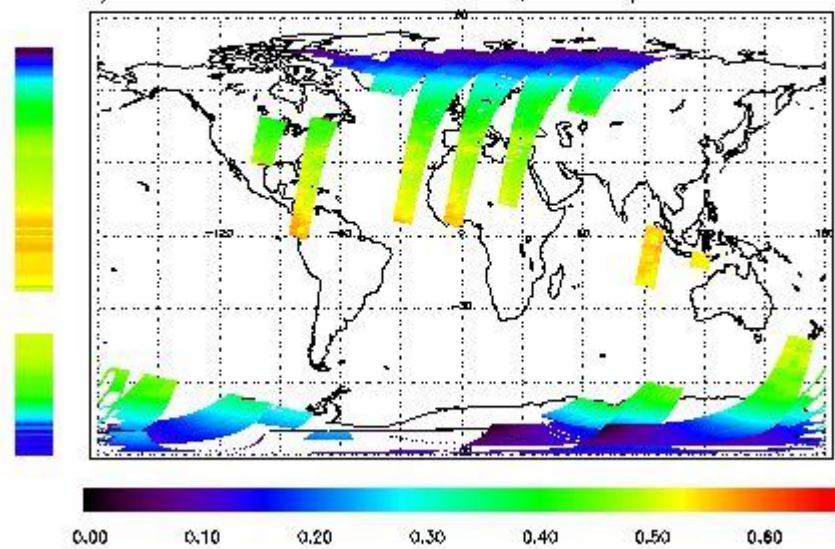
778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

First Product : 13-OCT-2010 00:00:24.282 : ORBIT : 80932.0180
 Last Product : 13-OCT-2010 23:52:27.086 : ORBIT : 80946.2533
 Total Products Processed : 20461 Day : 286 Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--