GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	31-JAN-2010
Start Time of First Product	00:15:06
Stop Time of Last Product	22:27:08
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	GOME Timeline stopped/activated orbit 77289, 11:11:59-12:17:58

1.2 - List of received products

Name	Date	Time
EGOI_100131BEEP1781.E2	31-JAN-2010	02:27:16.980
EGOI_100131BEEP1785.E2	31-JAN-2010	04:07:07.087
EGOI_100131GSEP8620.E2	31-JAN-2010	02:01:10.816
EGOI_100131GSEP8650.E2	31-JAN-2010	03:40:14.423
EGOI_100131GSEP8658.E2	31-JAN-2010	05:23:07.557
EGOI_100131KSEP0430.E2	31-JAN-2010	07:21:32.289
EGOI_100131KSEP0437.E2	31-JAN-2010	09:01:31.405
EGOI_100131KSEP0442.E2	31-JAN-2010	10:41:12.521
EGOI_100131KSEP0465.E2	31-JAN-2010	12:20:34.133

EGOI_100131KSEP0492.E2	31-JAN-2010	13:59:31.736
EGOI_100131KSEP0516.E2	31-JAN-2010	15:37:42.841
EGOI_100131KSEP0544.E2	31-JAN-2010	17:15:22.445
EGOI_100131KSEP0575.E2	31-JAN-2010	18:53:17.045
EGOI_100131KSEP0605.E2	31-JAN-2010	20:32:35.658
EGOI_100131KSEP0632.E2	31-JAN-2010	22:14:19.781
EGOI_100131MAEP8402.E2	31-JAN-2010	09:08:47.948
EGOI_100131MAEP8406.E2	31-JAN-2010	10:48:44.068
EGOI_100131MIEP1858.E2	31-JAN-2010	01:59:33.304
EGOI_100131MIEP1886.E2	31-JAN-2010	03:36:06.899
EGOI_100131MIEP1904.E2	31-JAN-2010	05:19:54.037
EGOI_100131MIEP1918.E2	31-JAN-2010	14:20:34.870
EGOI_100131MIEP1926.E2	31-JAN-2010	15:55:32.451
EGOI_100131MIEP1946.E2	31-JAN-2010	17:37:04.576
EGOI_100131MSEP3323.E2	31-JAN-2010	00:15:05.660
EGOI_100131MSEP3333.E2	31-JAN-2010	10:54:36.600
EGOI_100131MSEP3359.E2	31-JAN-2010	12:34:01.216
EGOI_100131MSEP3388.E2	31-JAN-2010	22:04:34.722
EGOI_100131SGEP3319.E2	31-JAN-2010	02:38:53.047
EGOI_100131SGEP3327.E2	31-JAN-2010	04:17:47.654
EGOI_100131SGEP3333.E2	31-JAN-2010	15:12:57.688
EGOI_100131SGEP3339.E2	31-JAN-2010	16:55:08.820

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77286	31-JAN-2010	07:19:46.642	07:21:32.289	105.64700
KS	77287	31-JAN-2010	08:59:17.990	09:01:31.405	133.41500
KS	77288	31-JAN-2010	10:38:54.961	10:41:12.520	137.55900
KS	77289	31-JAN-2010	12:18:18.458	12:20:34.132	135.67400
KS	77290	31-JAN-2010	13:57:12.506	13:59:31.735	139.22900
KS	77291	31-JAN-2010	15:35:15.523	15:37:42.840	147.31700
KS	77292	31-JAN-2010	17:13:03.623	17:15:22.444	138.82100
KS	77293	31-JAN-2010	18:51:11.964	18:53:17.045	125.08100
KS	77294	31-JAN-2010	20:30:50.055	20:32:35.657	105.60200
KS	77295	31-JAN-2010	22:12:30.839	22:14:19.781	108.94200
KS	77296	31-JAN-2010	23:57:17.099	23:58:48.928	91.829000
GS	77283	31-JAN-2010	01:59:24.255	02:01:10.815	106.56000
GS	77284	31-JAN-2010	03:38:38.444	03:40:14.422	95.978000
MS	77282	31-JAN-2010	00:12:59.990	00:15:05.660	125.67000
MS	77288	31-JAN-2010	10:52:20.010	10:54:36.600	136.59000

MS	77289	31-JAN-2010	12:31:36.406	12:34:01.216	144.81000
MS	77295	31-JAN-2010	22:02:36.663	22:04:34.721	118.05800
MS	77296	31-JAN-2010	23:40:45.437	23:42:45.827	120.39000
MA	77288	31-JAN-2010	10:47:02.172	10:48:44.067	101.89500
MI	77283	31-JAN-2010	01:57:32.478	01:59:33.303	120.82500
MI	77284	31-JAN-2010	03:33:16.253	03:36:06.898	170.64500
MI	77285	31-JAN-2010	05:18:28.212	05:19:54.036	85.824000
MI	77290	31-JAN-2010	14:19:11.822	14:20:34.869	83.047000
MI	77291	31-JAN-2010	15:53:25.702	15:55:32.450	126.74800
MI	77292	31-JAN-2010	17:34:59.822	17:37:04.576	124.75400
BE	77283	31-JAN-2010	02:24:58.689	02:27:16.980	138.29100
BE	77284	31-JAN-2010	04:04:36.984	04:07:07.087	150.10300
SG	77283	31-JAN-2010	02:36:50.174	02:38:53.047	122.87300
SG	77284	31-JAN-2010	04:15:48.464	04:17:47.653	119.18900
SG	77290	31-JAN-2010	15:10:43.199	15:12:57.688	134.48900
SG	77290	31-JAN-2010	15:18:14.226	15:24:27.419	373.19300
SG	77291	31-JAN-2010	16:52:40.112	16:55:08.819	148.70700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77282	31-JAN-2010	01:06:59.627	01:20:11.187	791.56000
MM	77282	31-JAN-2010	01:18:53.436	01:29:01.652	608.21600
MM	77283	31-JAN-2010	03:01:40.393	03:09:30.267	469.87400
CM	77283	31-JAN-2010	03:32:40.890	03:44:24.302	703.41200
MM	77284	31-JAN-2010	04:44:42.855	04:50:39.272	356.41700
CM	77284	31-JAN-2010	05:13:22.241	05:22:18.676	536.43500
MM	77285	31-JAN-2010	06:26:43.256	06:33:06.593	383.33700
MM	77286	31-JAN-2010	08:07:34.601	08:16:11.796	517.19500
JO	77286	31-JAN-2010	07:44:45.125	07:59:20.071	874.94600
MM	77287	31-JAN-2010	09:47:55.803	09:58:41.960	646.15700
JO	77287	31-JAN-2010	09:25:13.314	09:37:43.294	749.98000
MM	77288	31-JAN-2010	11:28:01.620	11:40:09.474	727.85400
MM	77289	31-JAN-2010	13:07:53.929	13:20:34.874	760.94500
HO	77290	31-JAN-2010	14:57:09.857	15:06:27.820	557.96300
MM	77290	31-JAN-2010	14:47:31.153	15:00:12.739	761.58600

GS	77290	31-JAN-2010	14:09:41.974	14:18:45.793	543.81900
SG	77290	31-JAN-2010	15:10:43.199	15:24:27.419	824.22000
BE	77291	31-JAN-2010	15:22:20.786	15:33:23.581	662.79500
MM	77291	31-JAN-2010	16:26:52.054	16:39:25.083	753.02900
GS	77291	31-JAN-2010	15:47:32.552	16:01:27.093	834.54100
CM	77291	31-JAN-2010	15:56:31.394	16:08:20.522	709.12800
MM	77292	31-JAN-2010	18:06:01.187	18:18:34.394	753.20700
GS	77292	31-JAN-2010	17:27:34.152	17:39:04.763	690.61100
CM	77292	31-JAN-2010	17:36:57.919	17:45:51.224	533.30500
MM	77293	31-JAN-2010	19:45:13.459	19:57:55.270	761.81100
MA	77293	31-JAN-2010	18:50:20.596	18:54:34.885	254.28900
JO	77293	31-JAN-2010	20:04:51.775	20:19:04.102	852.32700
MM	77294	31-JAN-2010	21:24:51.741	21:37:32.539	760.79800
MA	77294	31-JAN-2010	20:23:10.872	20:36:57.638	826.76600
JO	77294	31-JAN-2010	21:44:23.701	21:57:46.824	803.12300
HO	77295	31-JAN-2010	22:56:27.377	23:09:45.920	798.54300
MM	77295	31-JAN-2010	23:05:17.952	23:17:25.073	727.12100
MA	77295	31-JAN-2010	22:05:21.921	22:15:25.498	603.57700

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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

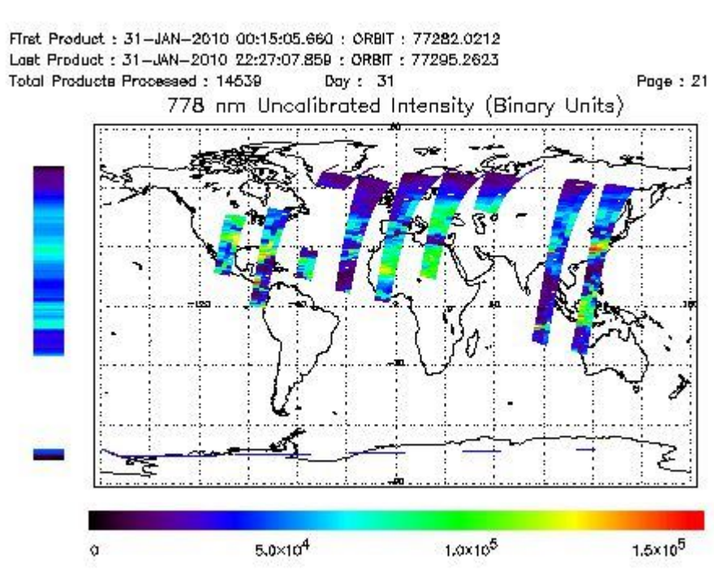
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

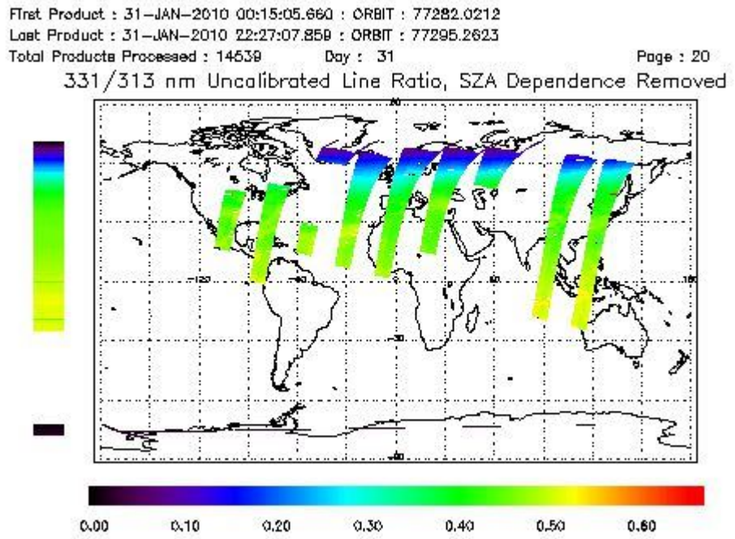
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

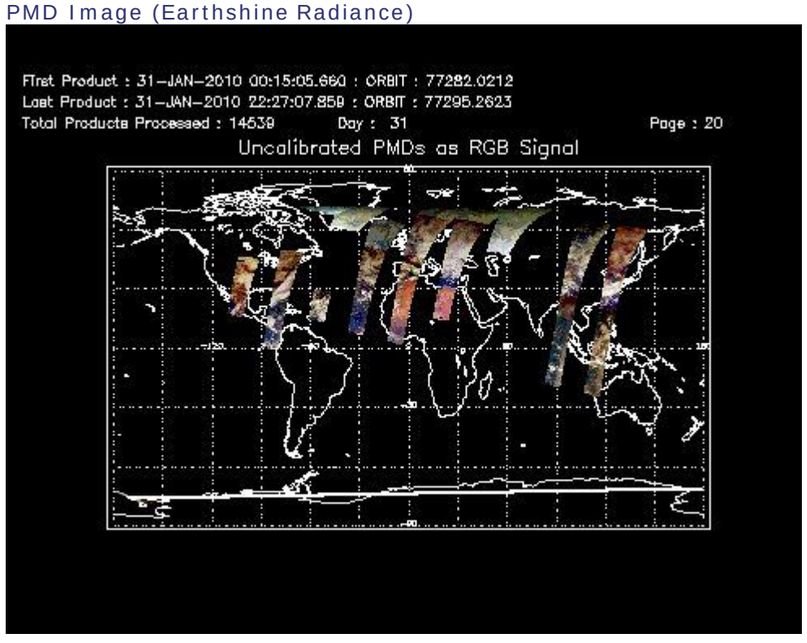
NEAR IR Intensity



Ozone Line Ratio



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	12:25:44.663	--	77289	Yes	--	15654

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)

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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
11:11:59	12:17:58	77288	77289	--

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