GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-FEB-2010
Start Time of First Product	00:21:51
Stop Time of Last Product	23:09:46
Number of EGOI Products analysed	41
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 77361

1.2 - List of received products

Name	Date	Time
EGOI_100205BEEP1837.E2	05-FEB-2010	03:09:38.230
EGOI_100205CMEP6526.E2	05-FEB-2010	02:40:15.546
EGOI_100205CMEP6532.E2	05-FEB-2010	04:21:58.176
EGOI_100205GSEP8983.E2	05-FEB-2010	01:06:08.970
EGOI_100205GSEP9015.E2	05-FEB-2010	02:43:03.565
EGOI_100205GSEP9043.E2	05-FEB-2010	04:24:23.692
EGOI_100205GSEP9051.E2	05-FEB-2010	06:06:37.827
EGOI_100205KSEP1790.E2	05-FEB-2010	06:24:40.932
EGOI_100205KSEP1809.E2	05-FEB-2010	08:04:34.060

EGOI_100205KSEP1832.E2	05-FEB-2010	09:44:13.676
EGOI_100205KSEP1857.E2	05-FEB-2010	11:23:51.788
EGOI_100205KSEP1883.E2	05-FEB-2010	13:02:58.399
EGOI_100205KSEP1898.E2	05-FEB-2010	14:41:45.512
EGOI_100205KSEP1914.E2	05-FEB-2010	16:19:26.620
EGOI_100205KSEP1947.E2	05-FEB-2010	17:57:33.219
EGOI_100205KSEP1983.E2	05-FEB-2010	19:35:29.328
EGOI_100205KSEP2018.E2	05-FEB-2010	21:15:49.448
EGOI_100205KSEP2047.E2	05-FEB-2010	22:58:30.583
EGOI_100205MAEP8557.E2	05-FEB-2010	08:13:02.607
EGOI_100205MAEP8573.E2	05-FEB-2010	09:51:39.215
EGOI_100205MIEP2328.E2	05-FEB-2010	02:39:32.042
EGOI_100205MIEP2356.E2	05-FEB-2010	04:18:38.656
EGOI_100205MIEP2382.E2	05-FEB-2010	14:59:45.625
EGOI_100205MIEP2412.E2	05-FEB-2010	16:38:20.734
EGOI_100205MMEP3177.E2	05-FEB-2010	00:21:50.691
EGOI_100205MMEP3185.E2	05-FEB-2010	02:03:52.822
EGOI_100205MMEP3191.E2	05-FEB-2010	03:46:39.957
EGOI_100205MMEP3198.E2	05-FEB-2010	05:29:04.587
EGOI_100205MMEP3207.E2	05-FEB-2010	07:10:47.218
EGOI_100205MMEP3215.E2	05-FEB-2010	08:51:41.847
EGOI_100205MMEP3222.E2	05-FEB-2010	10:32:07.967
EGOI_100205MMEP3229.E2	05-FEB-2010	12:12:19.085
EGOI_100205MMEP3241.E2	05-FEB-2010	17:11:16.437
EGOI_100205MMEP3246.E2	05-FEB-2010	18:50:36.550
EGOI_100205MMEP3256.E2	05-FEB-2010	22:09:45.285
EGOI_100205MSEP3892.E2	05-FEB-2010	01:00:23.935
EGOI_100205MSEP3908.E2	05-FEB-2010	10:00:07.770
EGOI_100205MSEP3933.E2	05-FEB-2010	11:36:51.866
EGOI_100205MSEP3956.E2	05-FEB-2010	13:17:49.491
EGOI_100205MSEP3990.E2	05-FEB-2010	22:45:48.505
EGOI_100205SGEP3449.E2	05-FEB-2010	03:28:51.847

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77357	05-FEB-2010	06:23:15.386	06:24:40.931	85.545000
KS	77358	05-FEB-2010	08:02:23.344	08:04:34.060	130.71600
KS	77359	05-FEB-2010	09:42:00.122	09:44:13.675	133.55300
KS	77360	05-FEB-2010	11:21:33.406	11:23:51.787	138.38100
KS	77361	05-FEB-2010	13:00:45.564	13:02:58.399	132.83500
KS	77362	05-FEB-2010	14:39:28.863	14:41:45.511	136.64800
KS	77363	05-FEB-2010	16:17:09.059	16:19:26.619	137.56000

KS	77364	05-FEB-2010	17:55:00.886	17:57:33.218	152.33200
KS	77365	05-FEB-2010	19:33:41.382	19:35:29.327	107.94500
KS	77366	05-FEB-2010	21:14:07.335	21:15:49.447	102.11200
KS	77367	05-FEB-2010	22:56:54.810	22:58:30.583	95.773000
GS	77354	05-FEB-2010	01:04:44.471	01:06:08.970	84.499000
GS	77355	05-FEB-2010	02:41:23.554	02:43:03.565	100.01100
GS	77356	05-FEB-2010	04:22:44.876	04:24:23.691	98.815000
MS	77360	05-FEB-2010	11:34:30.473	11:36:51.866	141.39300
MS	77361	05-FEB-2010	13:15:33.701	13:17:49.490	135.78900
MS	77367	05-FEB-2010	22:43:53.333	22:45:48.505	115.17200
MA	77358	05-FEB-2010	08:11:57.014	08:13:02.606	65.592000
MA	77359	05-FEB-2010	09:50:02.640	09:51:39.215	96.575000
MI	77355	05-FEB-2010	02:37:27.824	02:39:32.041	124.21700
MI	77356	05-FEB-2010	04:16:33.629	04:18:38.655	125.02600
MI	77362	05-FEB-2010	14:57:42.110	14:59:45.625	123.51500
MI	77363	05-FEB-2010	16:36:14.693	16:38:20.734	126.04100
MM	77353	05-FEB-2010	00:20:34.517	00:21:50.691	76.174000
MM	77354	05-FEB-2010	02:02:50.678	02:03:52.822	62.144000
MM	77358	05-FEB-2010	08:50:37.465	08:51:41.846	64.381000
MM	77359	05-FEB-2010	10:30:51.348	10:32:07.967	76.619000
MM	77360	05-FEB-2010	12:10:51.472	12:12:19.084	87.612000
MM	77363	05-FEB-2010	17:09:22.503	17:11:16.436	113.93300
MM	77364	05-FEB-2010	18:48:30.537	18:50:36.550	126.01300
MM	77366	05-FEB-2010	22:07:47.477	22:09:45.285	117.80800
MM	77367	05-FEB-2010	23:48:39.232	23:50:09.902	90.670000
BE	77355	05-FEB-2010	03:07:23.467	03:09:38.229	134.76200
SG	77355	05-FEB-2010	03:18:25.974	03:28:51.847	625.87300

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77353	05-FEB-2010	00:09:13.584	00:23:50.791	877.20700
HO	77354	05-FEB-2010	01:52:05.856	02:01:33.978	568.12200
BE	77356	05-FEB-2010	04:48:11.050	04:57:04.898	533.84800
SG	77356	05-FEB-2010	05:01:03.729	05:07:40.109	396.38000
JO	77357	05-FEB-2010	06:50:14.624	07:01:17.081	662.45700

JO	77358	05-FEB-2010	08:27:02.650	08:42:00.520	897.87000
MA	77360	05-FEB-2010	11:31:18.527	11:39:02.708	464.18100
MM	77361	05-FEB-2010	13:50:37.567	14:03:21.468	763.90100
SG	77361	05-FEB-2010	14:16:00.870	14:25:59.435	598.56500
BE	77362	05-FEB-2010	14:24:04.912	14:37:23.842	798.93000
MM	77362	05-FEB-2010	15:30:07.763	15:42:45.471	757.70800
GS	77362	05-FEB-2010	14:51:10.063	15:03:36.333	746.27000
SG	77362	05-FEB-2010	15:53:22.092	16:06:46.621	804.52900
CM	77362	05-FEB-2010	15:03:02.021	15:08:00.325	298.30400
GS	77363	05-FEB-2010	16:30:13.414	16:43:49.817	816.40300
CM	77363	05-FEB-2010	16:38:48.404	16:51:07.689	739.28500
GS	77364	05-FEB-2010	18:11:04.960	18:19:22.030	497.07000
JO	77364	05-FEB-2010	19:10:25.447	19:19:16.977	531.53000
MM	77365	05-FEB-2010	20:27:50.994	20:40:34.944	763.95000
MA	77365	05-FEB-2010	19:27:53.330	19:39:19.129	685.79900
JO	77365	05-FEB-2010	20:47:04.315	21:02:05.896	901.58100
HO	77366	05-FEB-2010	22:01:54.495	22:12:13.830	619.33500
MA	77366	05-FEB-2010	21:05:56.359	21:19:16.455	800.09600
JO	77366	05-FEB-2010	22:28:28.286	22:37:51.570	563.28400
HO	77367	05-FEB-2010	23:38:11.694	23:52:34.854	863.16000

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

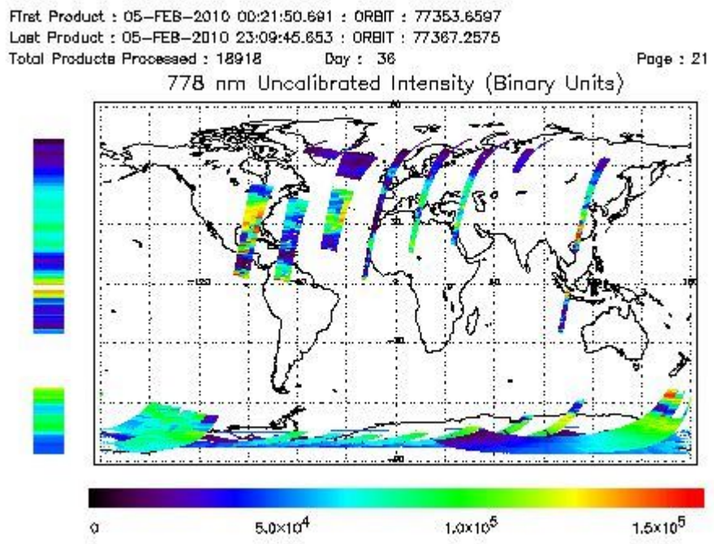
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

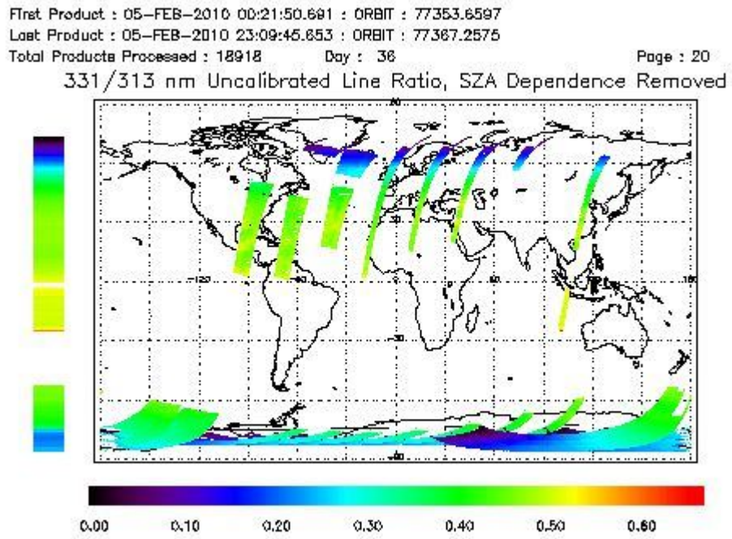
2.2 - Daily Plots

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

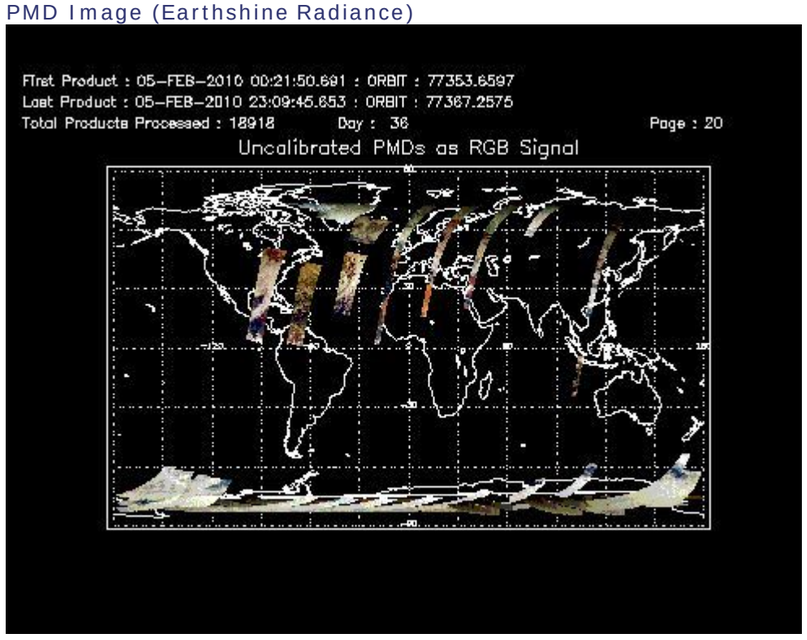
NEAR IR Intensity



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	13:08:20.930	--	77361	Yes	--	15644

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)

[BACK TO MENU]

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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[BACK TO MENU]

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
11:30	12:30	77346	77361

5.6 - **Seasonal Operations**

Start Time	End Time	Start Orbit	End Orbit
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[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