

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-FEB-2010
Start Time of First Product	23:48:33 (03-Feb)
Stop Time of Last Product	23:41:01
Number of EGOI Products analysed	41
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 77346

1.2 - List of received products

Name	Date	Time
EGOI_100204BEEP1822.E2	04-FEB-2010	02:02:16.293
EGOI_100204BEEP1831.E2	04-FEB-2010	03:41:13.900
EGOI_100204CMEP6502.E2	04-FEB-2010	03:09:27.208
EGOI_100204CMEP6508.E2	04-FEB-2010	04:50:35.330
EGOI_100204CMEP6514.E2	04-FEB-2010	15:32:50.427
EGOI_100204CMEP6518.E2	04-FEB-2010	17:12:06.035
EGOI_100204GSEP8915.E2	04-FEB-2010	01:36:17.632
EGOI_100204GSEP8947.E2	04-FEB-2010	03:14:18.239
EGOI_100204GSEP8957.E2	04-FEB-2010	04:57:17.374

EGOI_100204KSEP1500.E2	04-FEB-2010	00:05:05.072
EGOI_100204KSEP1516.E2	04-FEB-2010	06:55:54.102
EGOI_100204KSEP1537.E2	04-FEB-2010	08:35:53.217
EGOI_100204KSEP1560.E2	04-FEB-2010	10:15:33.460
EGOI_100204KSEP1585.E2	04-FEB-2010	11:55:05.581
EGOI_100204KSEP1604.E2	04-FEB-2010	13:34:01.678
EGOI_100204KSEP1619.E2	04-FEB-2010	15:12:44.301
EGOI_100204KSEP1645.E2	04-FEB-2010	16:50:13.402
EGOI_100204KSEP1678.E2	04-FEB-2010	18:28:06.510
EGOI_100204KSEP1715.E2	04-FEB-2010	20:06:50.618
EGOI_100204KSEP1746.E2	04-FEB-2010	21:47:55.746
EGOI_100204KSEP1774.E2	04-FEB-2010	23:31:15.886
EGOI_100204MAEP8508.E2	04-FEB-2010	08:43:50.268
EGOI_100204MAEP8522.E2	04-FEB-2010	10:22:57.507
EGOI_100204MAEP8543.E2	04-FEB-2010	20:00:32.579
EGOI_100204MIEP2275.E2	04-FEB-2010	03:10:00.212
EGOI_100204MIEP2299.E2	04-FEB-2010	04:51:24.838
EGOI_100204MMEP3136.E2	04-FEB-2010	00:53:48.866
EGOI_100204MMEP3142.E2	04-FEB-2010	02:36:07.500
EGOI_100204MMEP3150.E2	04-FEB-2010	12:43:31.380
EGOI_100204MMEP3162.E2	04-FEB-2010	21:00:47.948
EGOI_100204MMEP3168.E2	04-FEB-2010	22:40:53.068
EGOI_100204MSEP3760.E2	03-FEB-2010	23:48:33.466
EGOI_100204MSEP3785.E2	04-FEB-2010	10:30:00.547
EGOI_100204MSEP3814.E2	04-FEB-2010	12:08:01.160
EGOI_100204MSEP3841.E2	04-FEB-2010	21:40:15.199
EGOI_100204MSEP3873.E2	04-FEB-2010	23:16:54.795
EGOI_100204SGEP3421.E2	04-FEB-2010	02:14:37.371
EGOI_100204SGEP3428.E2	04-FEB-2010	03:53:36.474
EGOI_100204SGEP3435.E2	04-FEB-2010	14:50:05.160
EGOI_100204SGEP3442.E2	04-FEB-2010	16:28:01.265

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77339	04-FEB-2010	00:03:26.996	00:05:05.071	98.075000
KS	77343	04-FEB-2010	06:54:16.629	06:55:54.101	97.472000
KS	77344	04-FEB-2010	08:33:40.964	08:35:53.216	132.25200
KS	77345	04-FEB-2010	10:13:18.638	10:15:33.459	134.82100
KS	77346	04-FEB-2010	11:52:47.254	11:55:05.580	138.32600
KS	77347	04-FEB-2010	13:31:48.751	13:34:01.678	132.92700
KS	77348	04-FEB-2010	15:10:13.450	15:12:44.300	150.85000
KS	77349	04-FEB-2010	16:47:50.070	16:50:13.402	143.33200

KS	77350	04-FEB-2010	18:25:49.994	18:28:06.509	136.51500
KS	77351	04-FEB-2010	20:05:02.627	20:06:50.618	107.99100
KS	77352	04-FEB-2010	21:46:08.055	21:47:55.746	107.69100
KS	77353	04-FEB-2010	23:29:53.914	23:31:15.885	81.971000
GS	77340	04-FEB-2010	01:34:36.102	01:36:17.632	101.53000
GS	77341	04-FEB-2010	03:12:41.413	03:14:18.238	96.825000
MS	77339	03-FEB-2010	23:46:33.575	23:48:33.465	119.89000
MS	77345	04-FEB-2010	10:27:38.211	10:30:00.546	142.33500
MS	77346	04-FEB-2010	12:05:46.930	12:08:01.159	134.22900
MS	77353	04-FEB-2010	23:14:55.090	23:16:54.795	119.70500
MA	77344	04-FEB-2010	08:42:36.013	08:43:50.268	74.255000
MA	77345	04-FEB-2010	10:21:21.998	10:22:57.506	95.508000
MA	77351	04-FEB-2010	19:58:05.952	20:00:32.578	146.62600
MI	77341	04-FEB-2010	03:07:53.181	03:10:00.212	127.03100
MI	77342	04-FEB-2010	04:49:23.755	04:51:24.837	121.08200
MM	77339	04-FEB-2010	00:52:36.326	00:53:48.865	72.539000
MM	77346	04-FEB-2010	12:42:14.412	12:43:31.380	76.968000
MM	77351	04-FEB-2010	20:59:10.670	21:00:47.948	97.278000
MM	77352	04-FEB-2010	22:39:22.803	22:40:53.067	90.264000
BE	77340	04-FEB-2010	01:59:48.571	02:02:16.292	147.72100
BE	77341	04-FEB-2010	03:38:46.249	03:41:13.899	147.65000
SG	77340	04-FEB-2010	02:12:47.313	02:14:37.371	110.05800
SG	77341	04-FEB-2010	03:49:43.231	03:53:36.474	233.24300
SG	77347	04-FEB-2010	14:45:43.137	14:50:05.160	262.02300
SG	77347	04-FEB-2010	14:53:44.182	14:58:30.021	285.83900
SG	77348	04-FEB-2010	16:25:28.548	16:28:01.265	152.71700
SG	77348	04-FEB-2010	16:32:38.795	16:36:57.420	258.62500
CM	77341	04-FEB-2010	03:08:07.776	03:09:27.207	79.431000
CM	77348	04-FEB-2010	15:31:46.187	15:32:50.426	64.239000
CM	77349	04-FEB-2010	17:10:28.924	17:12:06.034	97.110000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77339	04-FEB-2010	00:40:48.126	00:54:59.712	851.58600
MM	77341	04-FEB-2010	04:18:15.989	04:24:32.332	376.34300

MM	77342	04-FEB-2010	06:00:37.770	06:06:38.695	360.92500
MM	77343	04-FEB-2010	07:41:42.553	07:49:42.570	480.01700
JO	77343	04-FEB-2010	07:19:54.516	07:33:24.722	810.20600
MM	77344	04-FEB-2010	09:22:09.211	09:32:26.032	616.82100
JO	77344	04-FEB-2010	08:58:44.869	09:12:51.855	846.98600
MM	77345	04-FEB-2010	11:02:18.531	11:14:10.384	711.85300
HO	77347	04-FEB-2010	14:31:02.244	14:42:51.051	708.80700
MM	77347	04-FEB-2010	14:21:55.703	14:34:38.970	763.26700
SG	77347	04-FEB-2010	14:45:43.137	14:58:30.021	766.88400
BE	77348	04-FEB-2010	14:55:51.336	15:08:21.188	749.85200
MM	77348	04-FEB-2010	16:01:20.727	16:13:55.596	754.86900
MI	77348	04-FEB-2010	15:28:07.077	15:40:58.777	771.70000
GS	77348	04-FEB-2010	15:22:04.839	15:35:37.794	812.95500
MM	77349	04-FEB-2010	17:40:31.898	17:53:03.861	751.96300
MI	77349	04-FEB-2010	17:08:12.216	17:18:52.911	640.69500
GS	77349	04-FEB-2010	17:01:41.776	17:14:24.186	762.41000
MM	77350	04-FEB-2010	19:19:41.357	19:32:20.953	759.59600
JO	77350	04-FEB-2010	19:39:58.245	19:52:38.373	760.12800
JO	77351	04-FEB-2010	21:18:27.073	21:32:58.334	871.26100
HO	77352	04-FEB-2010	22:31:35.752	22:43:58.984	743.23200
MA	77352	04-FEB-2010	21:37:41.033	21:50:26.396	765.36300

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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

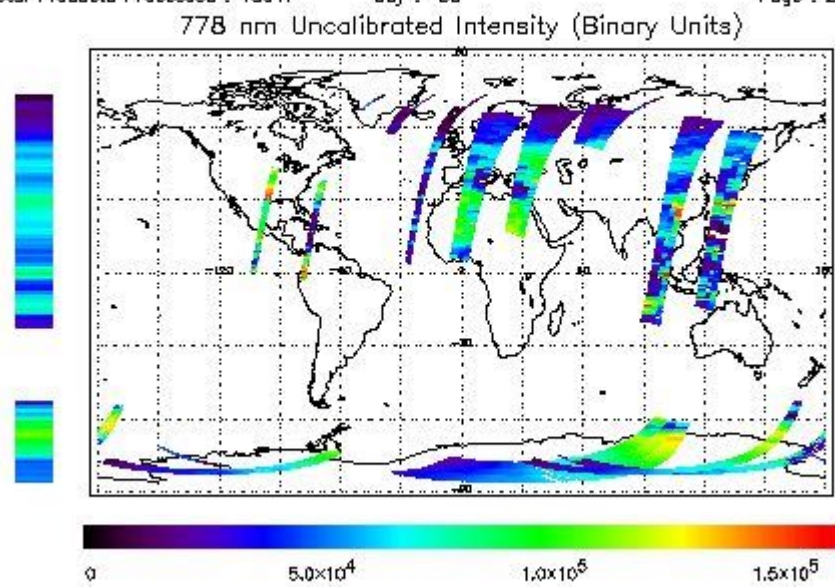
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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 : 03-FEB-2010 23:48:33.466 : ORBIT : 77339.0146
 Last Product : 04-FEB-2010 23:41:00.944 : ORBIT : 77353.2539
 Total Products Processed : 18917 Day : 35 Page : 21

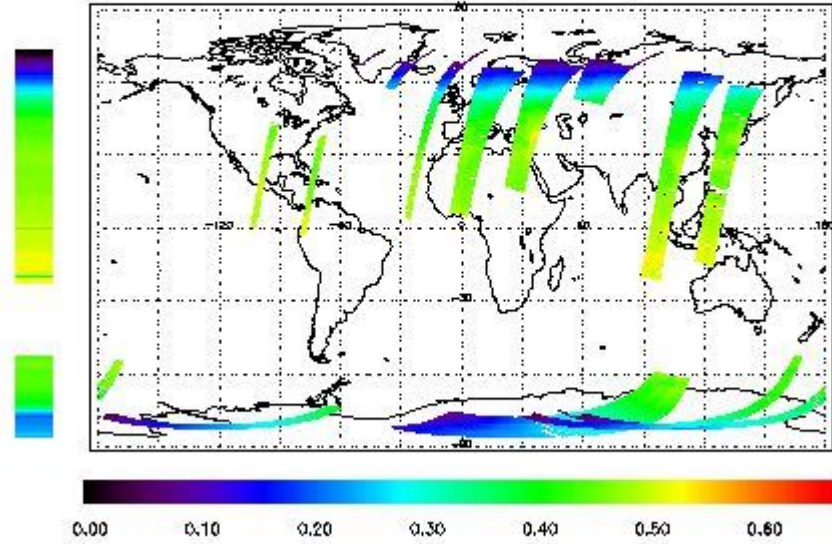


Ozone Line Ratio

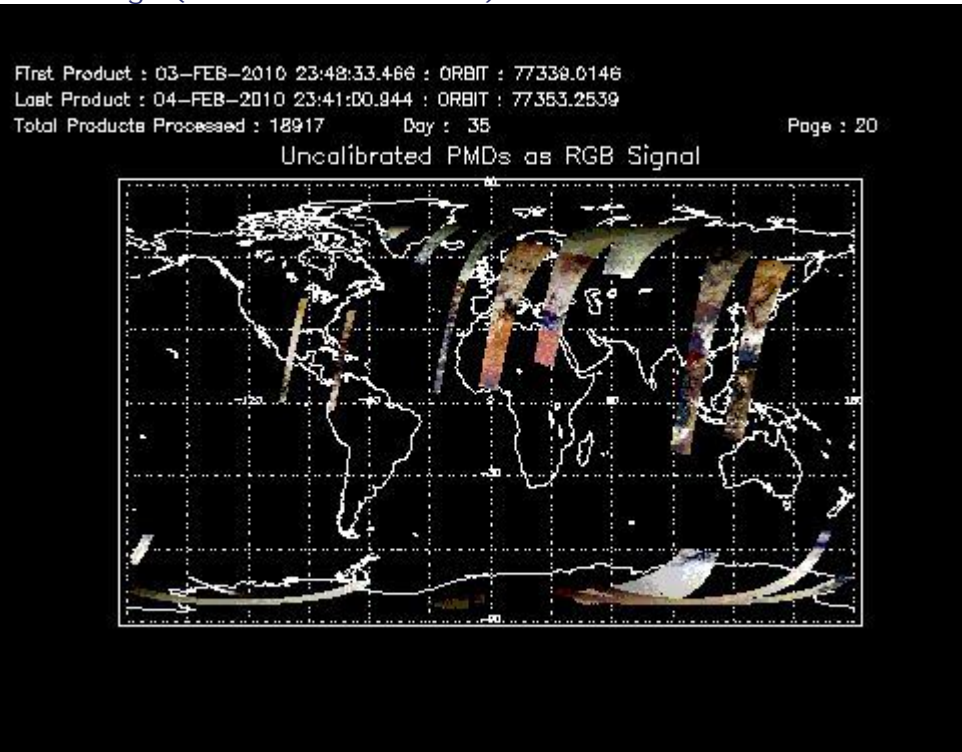
First Product : 03-FEB-2010 23:48:33.466 : ORBIT : 77339.0146
 Last Product : 04-FEB-2010 23:41:00.844 : ORBIT : 77353.2539
 Total Products Processed : 18917 Day : 35

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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	10:18:52.980	--	77345	Yes	--	15586

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

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
--	--	--	--	--

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
11:30	--	77346	--

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