

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-MAR-2010
Start Time of First Product	01:16:51
Stop Time of Last Product	23:20:47
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100318BEEP2174.E2	18-MAR-2010	03:20:47.619
EGOI_100318CMEP7084.E2	18-MAR-2010	02:50:08.431
EGOI_100318CMEP7093.E2	18-MAR-2010	04:29:45.046
EGOI_100318CMEP7104.E2	18-MAR-2010	15:13:39.983
EGOI_100318CMEP7112.E2	18-MAR-2010	16:53:45.094
EGOI_100318GSEP1980.E2	18-MAR-2010	01:16:51.360
EGOI_100318GSEP2012.E2	18-MAR-2010	02:53:51.955
EGOI_100318GSEP2040.E2	18-MAR-2010	04:36:06.081
EGOI_100318GSEP2047.E2	18-MAR-2010	06:18:05.204

EGOI_100318KSEP3315.E2	18-MAR-2010	06:35:44.314
EGOI_100318KSEP3345.E2	18-MAR-2010	08:15:41.922
EGOI_100318KSEP3370.E2	18-MAR-2010	09:55:18.537
EGOI_100318KSEP3395.E2	18-MAR-2010	11:34:55.140
EGOI_100318KSEP3427.E2	18-MAR-2010	13:13:57.247
EGOI_100318KSEP3441.E2	18-MAR-2010	14:52:42.850
EGOI_100318KSEP3471.E2	18-MAR-2010	16:30:20.953
EGOI_100318KSEP3504.E2	18-MAR-2010	18:08:21.552
EGOI_100318KSEP3539.E2	18-MAR-2010	19:46:38.654
EGOI_100318KSEP3565.E2	18-MAR-2010	21:27:10.773
EGOI_100318KSEP3591.E2	18-MAR-2010	23:10:05.400
EGOI_100318MAEP0034.E2	18-MAR-2010	08:24:01.477
EGOI_100318MAEP0048.E2	18-MAR-2010	10:02:45.576
EGOI_100318MAEP0065.E2	18-MAR-2010	21:19:30.226
EGOI_100318MIEP6477.E2	18-MAR-2010	02:50:17.431
EGOI_100318MIEP6505.E2	18-MAR-2010	04:30:06.046
EGOI_100318MIEP6533.E2	18-MAR-2010	15:10:26.464
EGOI_100318MIEP6562.E2	18-MAR-2010	16:49:36.071
EGOI_100318MMEP5598.E2	18-MAR-2010	03:58:05.847
EGOI_100318MMEP5603.E2	18-MAR-2010	07:22:01.096
EGOI_100318MSEP8703.E2	18-MAR-2010	10:10:36.623
EGOI_100318MSEP8733.E2	18-MAR-2010	11:47:50.718
EGOI_100318MSEP8755.E2	18-MAR-2010	13:29:30.341
EGOI_100318MSEP8770.E2	18-MAR-2010	21:21:31.738
EGOI_100318MSEP8802.E2	18-MAR-2010	22:56:36.821
EGOI_100318SGEP4354.E2	18-MAR-2010	01:57:17.106
EGOI_100318SGEP4361.E2	18-MAR-2010	14:28:35.209
EGOI_100318SGEP4368.E2	18-MAR-2010	16:07:11.808

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77944	18-MAR-2010	06:34:30.565	06:35:44.313	73.748000
KS	77945	18-MAR-2010	08:13:45.940	08:15:41.921	115.98100
KS	77946	18-MAR-2010	09:53:23.291	09:55:18.537	115.24600
KS	77947	18-MAR-2010	11:32:55.074	11:34:55.139	120.06500
KS	77948	18-MAR-2010	13:12:03.586	13:13:57.246	113.66000
KS	77949	18-MAR-2010	14:50:43.084	14:52:42.849	119.76500
KS	77950	18-MAR-2010	16:28:22.198	16:30:20.953	118.75500
KS	77951	18-MAR-2010	18:06:09.646	18:08:21.552	131.90600
KS	77952	18-MAR-2010	19:45:04.252	19:46:38.654	94.402000
KS	77953	18-MAR-2010	21:25:44.116	21:27:10.772	86.656000

KS	77954	18-MAR-2010	23:08:51.587	23:10:05.399	73.812000
GS	77941	18-MAR-2010	01:15:32.132	01:16:51.359	79.227000
GS	77942	18-MAR-2010	02:52:43.377	02:53:51.954	68.577000
GS	77943	18-MAR-2010	04:34:45.470	04:36:06.081	80.611000
MS	77946	18-MAR-2010	10:08:38.764	10:10:36.623	117.85900
MS	77947	18-MAR-2010	11:45:49.137	11:47:50.717	121.58000
MS	77948	18-MAR-2010	13:27:40.106	13:29:30.340	110.23400
MS	77954	18-MAR-2010	22:55:06.207	22:56:36.820	90.613000
MA	77945	18-MAR-2010	08:22:51.461	08:24:01.477	70.016000
MA	77946	18-MAR-2010	10:01:25.953	10:02:45.575	79.622000
MA	77953	18-MAR-2010	21:17:25.250	21:19:30.225	124.97500
MI	77942	18-MAR-2010	02:48:26.576	02:50:17.431	110.85500
MI	77943	18-MAR-2010	04:28:21.464	04:30:06.046	104.58200
MI	77949	18-MAR-2010	15:08:40.689	15:10:26.464	105.77500
MI	77950	18-MAR-2010	16:47:48.007	16:49:36.071	108.06400
BE	77942	18-MAR-2010	03:18:46.592	03:20:47.619	121.02700
SG	77948	18-MAR-2010	14:26:40.286	14:28:35.208	114.92200
SG	77949	18-MAR-2010	16:04:56.854	16:07:11.808	134.95400
CM	77950	18-MAR-2010	16:50:15.381	16:53:45.093	209.71200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77940	18-MAR-2010	00:20:34.116	00:35:12.186	878.07000
MM	77940	18-MAR-2010	00:32:12.608	00:43:12.274	659.66600
HO	77941	18-MAR-2010	02:04:47.917	02:12:07.011	439.09400
MM	77941	18-MAR-2010	02:14:35.580	02:23:31.306	535.72600
SG	77942	18-MAR-2010	03:29:44.374	03:43:37.316	832.94200
MM	77943	18-MAR-2010	05:40:16.327	05:46:06.539	350.21200
JO	77944	18-MAR-2010	07:00:55.357	07:13:02.432	727.07500
MM	77945	18-MAR-2010	09:02:05.575	09:11:57.475	591.90000
JO	77945	18-MAR-2010	08:38:30.065	08:53:16.635	886.57000
MM	77946	18-MAR-2010	10:42:17.746	10:53:54.783	697.03700
MM	77947	18-MAR-2010	12:22:16.342	12:34:47.429	751.08700
MA	77947	18-MAR-2010	11:42:55.032	11:49:28.173	393.14100
BE	77948	18-MAR-2010	12:57:21.425	13:08:49.661	688.23600

MM	77948	18-MAR-2010	14:02:00.711	14:14:44.607	763.89600
SG	77948	18-MAR-2010	14:26:40.286	14:37:56.736	676.45000
BE	77949	18-MAR-2010	14:35:34.170	14:48:41.333	787.16300
MM	77949	18-MAR-2010	15:41:29.020	15:54:05.653	756.63300
GS	77949	18-MAR-2010	15:02:22.589	15:15:18.993	776.40400
MM	77950	18-MAR-2010	17:20:42.347	17:33:13.903	751.55600
GS	77950	18-MAR-2010	16:41:39.060	16:54:59.868	800.80800
MM	77951	18-MAR-2010	18:59:50.655	19:12:28.355	757.70000
GS	77951	18-MAR-2010	18:22:50.797	18:29:51.194	420.39700
JO	77951	18-MAR-2010	19:20:59.701	19:31:36.532	636.83100
MM	77952	18-MAR-2010	20:39:14.058	20:51:58.044	763.98600
MA	77952	18-MAR-2010	19:38:48.827	19:50:55.073	726.24600
JO	77952	18-MAR-2010	20:58:26.592	21:13:23.464	896.87200
HO	77953	18-MAR-2010	22:12:38.583	22:23:50.149	671.56600
MM	77953	18-MAR-2010	22:19:16.022	22:31:43.885	747.86300
JO	77953	18-MAR-2010	22:40:35.776	22:48:04.251	448.47500
HO	77954	18-MAR-2010	23:49:30.005	00:03:57.670	867.66500

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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

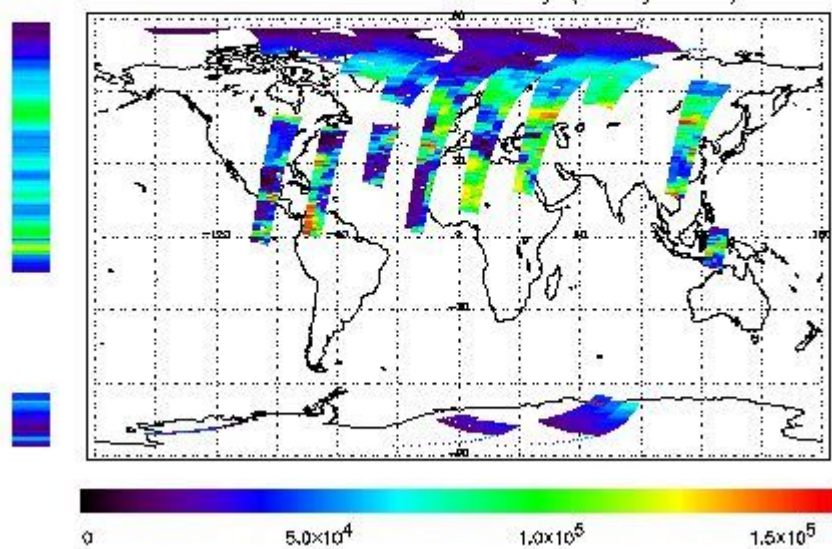
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

Fret Product : 18-MAR-2010 01:16:51.360 : ORBIT : 77941.0923
 Last Product : 18-MAR-2010 23:20:47.466 : ORBIT : 77954.2528
 Total Products Processed : 17171 Day : 77 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

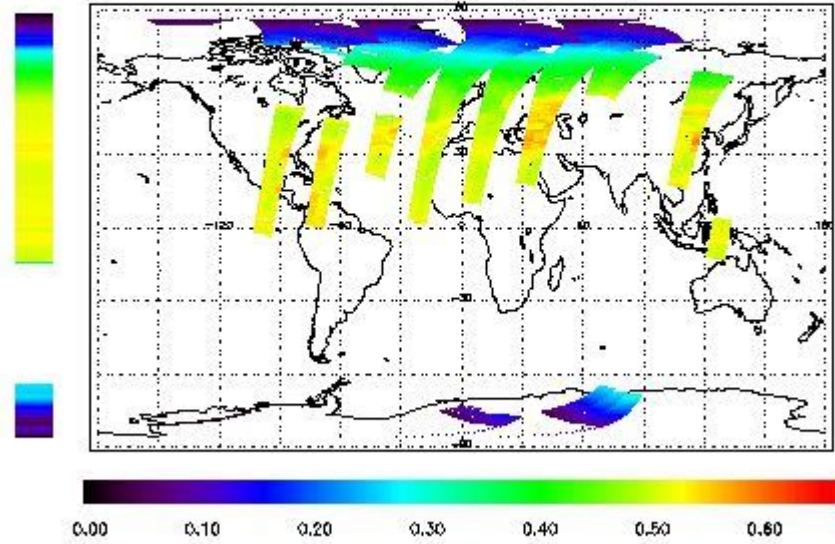


Ozone Line Ratio

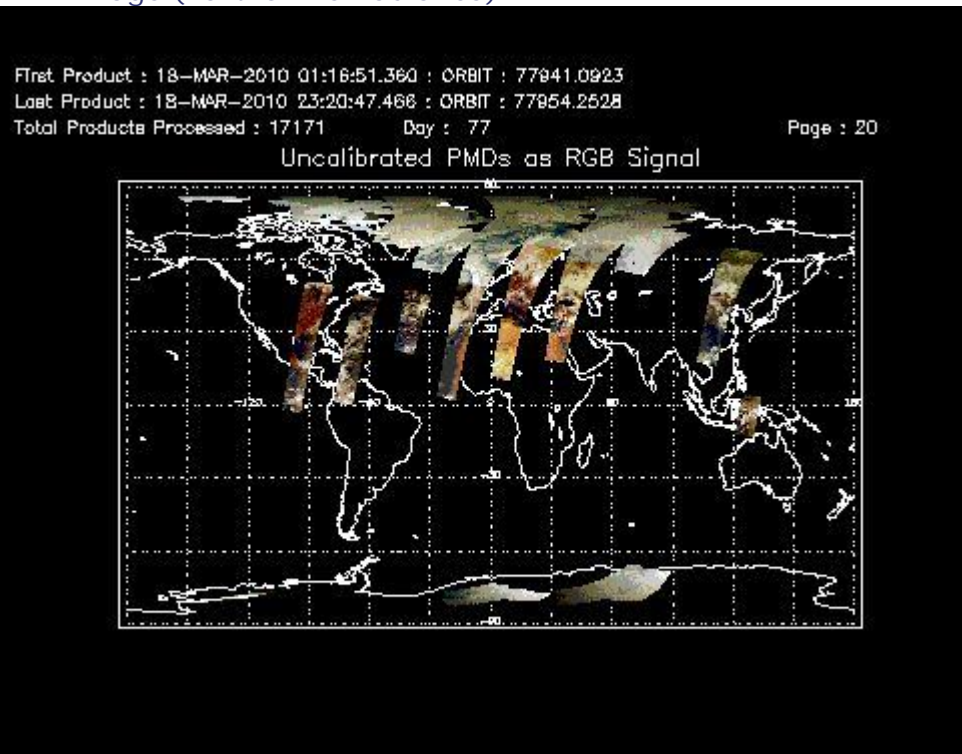
First Product : 18-MAR-2010 01:16:51.360 : ORBIT : 77941.0923
 Last Product : 18-MAR-2010 23:20:47.466 : ORBIT : 77954.2528
 Total Products Processed : 17171 Day : 77

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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	4:52:42.850	--	77949	Yes	--	15455

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
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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
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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
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
07:00 10-Mar	--	77830	--

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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