

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-JUN-2010
Start Time of First Product	23:40:59 (03-Jun)
Stop Time of Last Product	23:22:03
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 79068

1.2 - List of received products

Name	Date	Time
EGOI_100604BEEP2928.E2	04-JUN-2010	04:08:59.066
EGOI_100604GSEP7723.E2	04-JUN-2010	02:03:19.308
EGOI_100604GSEP7753.E2	04-JUN-2010	03:42:30.406
EGOI_100604GSEP7763.E2	04-JUN-2010	05:38:34.116
EGOI_100604KSEP1035.E2	04-JUN-2010	07:23:48.261
EGOI_100604KSEP1054.E2	04-JUN-2010	09:03:41.367
EGOI_100604KSEP1075.E2	04-JUN-2010	10:43:22.478
EGOI_100604KSEP1100.E2	04-JUN-2010	12:22:44.088
EGOI_100604KSEP1128.E2	04-JUN-2010	14:01:41.691

EGOI_100604KSEP1138.E2	04-JUN-2010	15:39:46.790
EGOI_100604KSEP1165.E2	04-JUN-2010	17:17:31.958
EGOI_100604KSEP1197.E2	04-JUN-2010	18:55:25.061
EGOI_100604KSEP1228.E2	04-JUN-2010	20:34:46.667
EGOI_100604KSEP1256.E2	04-JUN-2010	22:16:33.787
EGOI_100604MAEP2893.E2	04-JUN-2010	09:11:02.414
EGOI_100604MAEP2902.E2	04-JUN-2010	10:50:52.524
EGOI_100604MIEP4507.E2	04-JUN-2010	02:01:25.296
EGOI_100604MIEP4536.E2	04-JUN-2010	03:38:15.386
EGOI_100604MIEP4557.E2	04-JUN-2010	14:22:13.317
EGOI_100604MIEP4568.E2	04-JUN-2010	15:57:45.403
EGOI_100604MIEP4587.E2	04-JUN-2010	17:39:23.095
EGOI_100604MMEP9374.E2	03-JUN-2010	23:40:58.936
EGOI_100604MMEP9388.E2	04-JUN-2010	11:31:33.276
EGOI_100604MMEP9400.E2	04-JUN-2010	19:49:14.886
EGOI_100604MMEP9408.E2	04-JUN-2010	21:29:10.998
EGOI_100604MMEP9416.E2	04-JUN-2010	23:08:55.107
EGOI_100604MSEP7693.E2	04-JUN-2010	00:17:15.655
EGOI_100604MSEP7715.E2	04-JUN-2010	10:56:42.061
EGOI_100604MSEP7743.E2	04-JUN-2010	12:36:05.171
EGOI_100604MSEP7774.E2	04-JUN-2010	22:06:23.224
EGOI_100604SGEP6028.E2	04-JUN-2010	02:41:01.535
EGOI_100604SGEP6035.E2	04-JUN-2010	04:20:14.136
EGOI_100604SGEP6041.E2	04-JUN-2010	15:15:09.145
EGOI_100604SGEP6048.E2	04-JUN-2010	16:57:27.341

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79061	04-JUN-2010	07:22:36.881	07:23:48.260	71.379000
KS	79062	04-JUN-2010	09:02:08.793	09:03:41.366	92.573000
KS	79063	04-JUN-2010	10:41:45.615	10:43:22.477	96.862000
KS	79064	04-JUN-2010	12:21:08.468	12:22:44.088	95.620000
KS	79065	04-JUN-2010	14:00:02.227	14:01:41.690	99.463000
KS	79066	04-JUN-2010	15:38:03.115	15:39:46.790	103.675000
KS	79067	04-JUN-2010	17:15:52.304	17:17:31.958	99.654000
KS	79068	04-JUN-2010	18:54:01.405	18:55:25.060	83.655000
KS	79069	04-JUN-2010	20:33:42.477	20:34:46.667	64.190000
KS	79070	04-JUN-2010	22:15:27.381	22:16:33.786	66.405000
GS	79058	04-JUN-2010	02:02:10.723	02:03:19.307	68.584000
MS	79057	04-JUN-2010	00:15:58.651	00:17:15.655	77.004000

MS	79063	04-JUN-2010	10:55:03.359	10:56:42.060	98.701000
MS	79064	04-JUN-2010	12:34:29.074	12:36:05.170	96.096000
MS	79070	04-JUN-2010	22:05:19.134	22:06:23.223	64.089000
MS	79071	04-JUN-2010	23:43:39.330	23:44:59.826	80.496000
MI	79058	04-JUN-2010	02:00:06.475	02:01:25.295	78.820000
MI	79059	04-JUN-2010	03:36:07.042	03:38:15.386	128.34400
MI	79066	04-JUN-2010	15:56:15.541	15:57:45.402	89.861000
MI	79067	04-JUN-2010	17:38:02.795	17:39:23.094	80.299000
MM	79068	04-JUN-2010	19:48:03.791	19:49:14.886	71.095000
MM	79069	04-JUN-2010	21:27:43.163	21:29:10.998	87.835000
BE	79059	04-JUN-2010	04:07:29.940	04:08:59.066	89.126000
SG	79058	04-JUN-2010	02:39:33.719	02:41:01.535	87.816000
SG	79058	04-JUN-2010	02:44:25.554	02:51:50.759	445.20500
SG	79059	04-JUN-2010	04:18:44.346	04:20:14.136	89.790000
SG	79059	04-JUN-2010	04:26:12.670	04:30:52.475	279.80500
SG	79065	04-JUN-2010	15:13:31.605	15:15:09.144	97.539000
SG	79066	04-JUN-2010	16:55:47.669	16:57:27.340	99.671000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79057	04-JUN-2010	01:09:53.596	01:22:58.577	784.98100
MM	79057	04-JUN-2010	01:21:48.925	01:31:53.601	604.67600
BE	79058	04-JUN-2010	02:27:47.390	02:40:45.646	778.25600
MM	79058	04-JUN-2010	03:04:37.147	03:12:22.928	465.78100
CM	79058	04-JUN-2010	03:35:26.862	03:47:17.371	710.50900
MM	79059	04-JUN-2010	04:47:38.913	04:53:33.725	354.81200
MM	79060	04-JUN-2010	06:29:36.890	06:36:03.219	386.32900
CM	79060	04-JUN-2010	05:16:24.641	05:24:57.970	513.32900
MM	79061	04-JUN-2010	08:10:26.930	08:19:08.230	521.30000
JO	79061	04-JUN-2010	07:47:32.307	08:02:11.957	879.65000
MM	79062	04-JUN-2010	09:50:47.585	10:01:36.802	649.21700
JO	79062	04-JUN-2010	09:28:12.124	09:40:27.175	735.05100
MM	79064	04-JUN-2010	13:10:44.927	13:23:26.238	761.31100
HO	79065	04-JUN-2010	15:00:05.206	15:09:12.159	546.95300
MM	79065	04-JUN-2010	14:50:21.691	15:03:03.047	761.35600

GS	79065	04-JUN-2010	14:12:25.205	14:21:48.931	563.72600
SG	79065	04-JUN-2010	15:13:31.605	15:27:18.842	827.23700
BE	79066	04-JUN-2010	15:25:19.500	15:36:09.119	649.61900
MM	79066	04-JUN-2010	16:29:42.148	16:42:15.012	752.86400
GS	79066	04-JUN-2010	15:50:22.744	16:04:18.105	835.36100
CM	79066	04-JUN-2010	15:59:18.441	16:11:14.284	715.84300
MM	79067	04-JUN-2010	18:08:51.113	18:21:24.503	753.39000
GS	79067	04-JUN-2010	17:30:27.136	17:41:48.042	680.90600
CM	79067	04-JUN-2010	17:39:57.495	17:48:29.082	511.58700
MA	79068	04-JUN-2010	18:53:07.927	18:57:26.265	258.33800
JO	79068	04-JUN-2010	20:07:39.148	20:21:58.385	859.23700
MA	79069	04-JUN-2010	20:25:59.227	20:39:45.063	825.83600
JO	79069	04-JUN-2010	21:47:17.715	22:00:30.488	792.77300
HO	79070	04-JUN-2010	22:59:14.270	23:12:37.771	803.50100
MA	79070	04-JUN-2010	22:08:21.726	22:18:10.475	588.74900

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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

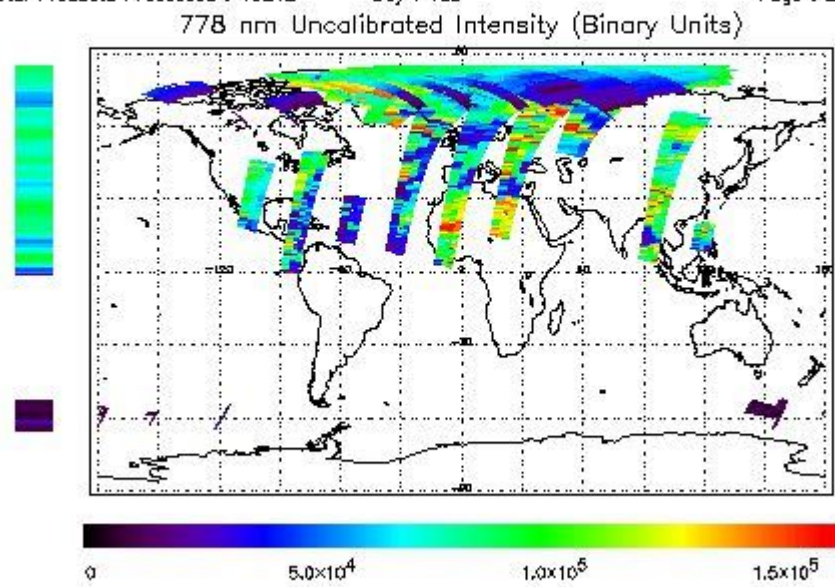
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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

First Product : 03-JUN-2010 23:40:58.936 : ORBIT : 79056.6535
 Last Product : 04-JUN-2010 23:22:02.685 : ORBIT : 79070.7796
 Total Products Processed : 15812 Day : 155 Page : 21

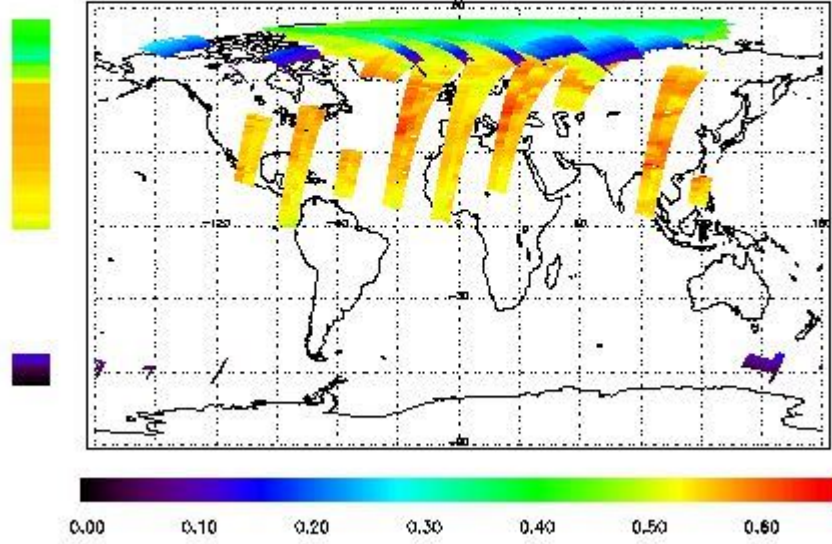


Ozone Line Ratio

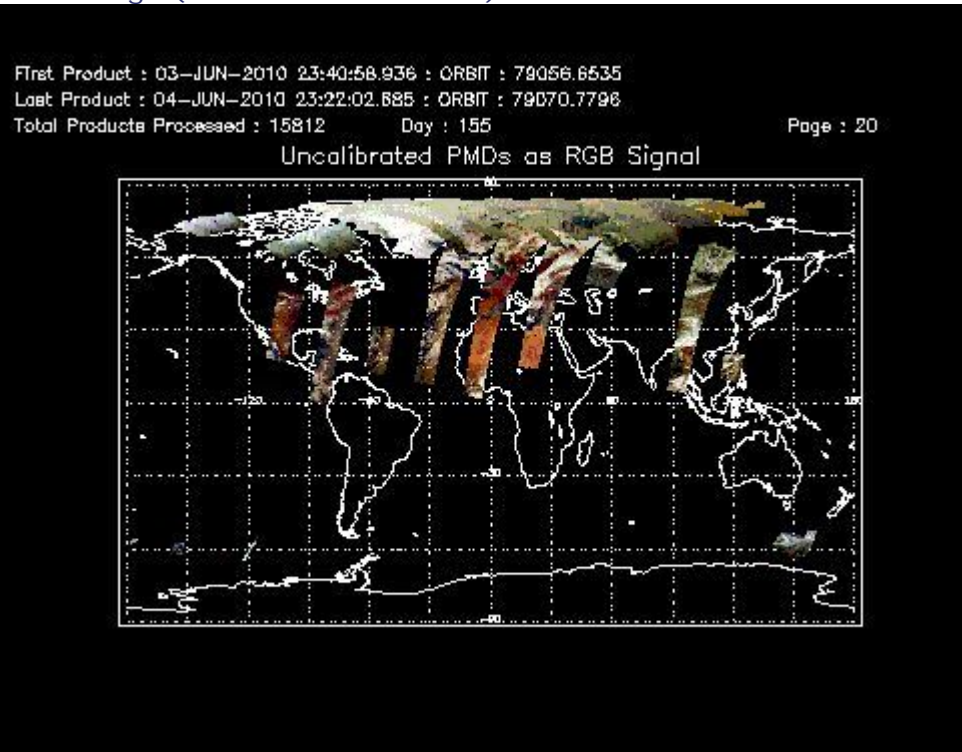
First Product : 03-JUN-2010 23:40:58.936 : ORBIT : 79056.6535
 Last Product : 04-JUN-2010 23:22:02.885 : ORBIT : 79070.7796
 Total Products Processed : 15812 Day : 155

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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	17:18:01.962	--	79067	Yes	--	14520

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
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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
18:30	--	79068	--

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