

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-JUN-2010
Start Time of First Product	01-06-2010 23:54:47
Stop Time of Last Product	23:31:48
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100602GSEP7589.E2	02-JUN-2010	01:27:33.006
EGOI_100602GSEP7621.E2	02-JUN-2010	03:05:30.596
EGOI_100602GSEP7647.E2	02-JUN-2010	04:47:46.221
EGOI_100602GSEP7654.E2	02-JUN-2010	06:29:34.847
EGOI_100602KSEP0523.E2	01-JUN-2010	23:54:47.439
EGOI_100602KSEP0536.E2	02-JUN-2010	06:46:46.944
EGOI_100602KSEP0554.E2	02-JUN-2010	08:26:41.557
EGOI_100602KSEP0572.E2	02-JUN-2010	10:06:21.168
EGOI_100602KSEP0593.E2	02-JUN-2010	11:45:56.274

EGOI_100602KSEP0611.E2	02-JUN-2010	13:24:53.885
EGOI_100602KSEP0620.E2	02-JUN-2010	15:03:37.987
EGOI_100602KSEP0647.E2	02-JUN-2010	16:41:08.578
EGOI_100602KSEP0678.E2	02-JUN-2010	18:19:09.177
EGOI_100602KSEP0710.E2	02-JUN-2010	19:57:44.280
EGOI_100602KSEP0733.E2	02-JUN-2010	21:38:34.394
EGOI_100602KSEP0750.E2	02-JUN-2010	23:21:38.025
EGOI_100602MAEP2818.E2	02-JUN-2010	08:34:34.104
EGOI_100602MAEP2833.E2	02-JUN-2010	10:13:46.711
EGOI_100602MAEP2851.E2	02-JUN-2010	21:30:34.351
EGOI_100602MIEP4337.E2	02-JUN-2010	03:00:57.569
EGOI_100602MIEP4349.E2	02-JUN-2010	04:41:46.190
EGOI_100602MIEP4371.E2	02-JUN-2010	15:21:12.593
EGOI_100602MIEP4399.E2	02-JUN-2010	17:00:53.699
EGOI_100602MMEP9282.E2	02-JUN-2010	00:44:25.240
EGOI_100602MMEP9288.E2	02-JUN-2010	02:26:40.862
EGOI_100602MMEP9299.E2	02-JUN-2010	10:54:22.961
EGOI_100602MMEP9308.E2	02-JUN-2010	14:13:58.683
EGOI_100602MMEP9315.E2	02-JUN-2010	15:53:27.792
EGOI_100602MMEP9321.E2	02-JUN-2010	17:33:50.900
EGOI_100602MSEP7477.E2	02-JUN-2010	10:21:06.258
EGOI_100602MSEP7506.E2	02-JUN-2010	11:58:50.352
EGOI_100602MSEP7519.E2	02-JUN-2010	13:41:20.983
EGOI_100602MSEP7536.E2	02-JUN-2010	21:31:44.859
EGOI_100602MSEP7568.E2	02-JUN-2010	23:07:43.939
EGOI_100602SGEP5969.E2	02-JUN-2010	02:06:13.733
EGOI_100602SGEP5977.E2	02-JUN-2010	03:47:11.350
EGOI_100602SGEP5983.E2	02-JUN-2010	14:40:27.343
EGOI_100602SGEP5990.E2	02-JUN-2010	16:18:17.442

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79033	02-JUN-2010	08:25:08.749	08:26:41.556	92.807000
KS	79034	02-JUN-2010	10:04:46.383	10:06:21.167	94.784000
KS	79035	02-JUN-2010	11:44:16.442	11:45:56.274	99.832000
KS	79036	02-JUN-2010	13:23:21.044	13:24:53.885	92.841000
KS	79037	02-JUN-2010	15:01:53.275	15:03:37.987	104.71200
KS	79038	02-JUN-2010	16:39:29.827	16:41:08.578	98.751000
KS	79039	02-JUN-2010	18:17:23.792	18:19:09.176	105.38400
KS	79040	02-JUN-2010	19:56:28.503	19:57:44.280	75.777000
KS	79041	02-JUN-2010	21:37:22.779	21:38:34.393	71.614000

GS	79029	02-JUN-2010	01:26:24.287	01:27:33.005	68.718000
GS	79030	02-JUN-2010	03:04:06.644	03:05:30.595	83.951000
MS	79034	02-JUN-2010	10:19:26.528	10:21:06.257	99.729000
MS	79035	02-JUN-2010	11:57:09.628	11:58:50.351	100.723000
MS	79042	02-JUN-2010	23:06:23.805	23:07:43.938	80.133000
MA	79041	02-JUN-2010	21:28:58.311	21:30:34.351	96.040000
MI	79030	02-JUN-2010	02:59:31.186	03:00:57.569	86.383000
MI	79031	02-JUN-2010	04:40:18.294	04:41:46.190	87.896000
MI	79031	02-JUN-2010	04:42:01.190	04:50:31.975	510.785000
MI	79037	02-JUN-2010	15:19:45.351	15:21:12.592	87.241000
MI	79038	02-JUN-2010	16:59:25.609	17:00:53.699	88.090000
MM	79038	02-JUN-2010	17:32:02.112	17:33:50.899	108.787000
SG	79029	02-JUN-2010	02:05:04.775	02:06:13.732	68.957000
SG	79030	02-JUN-2010	03:41:07.600	03:47:11.350	363.750000
SG	79036	02-JUN-2010	14:37:30.286	14:40:27.342	177.056000
SG	79037	02-JUN-2010	16:16:37.877	16:18:17.442	99.565000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79028	02-JUN-2010	00:32:01.441	00:46:32.322	870.881000
BE	79029	02-JUN-2010	01:51:29.317	02:02:42.857	673.540000
BE	79030	02-JUN-2010	03:30:11.455	03:43:18.206	786.751000
MM	79030	02-JUN-2010	04:09:26.266	04:15:51.181	384.915000
CM	79030	02-JUN-2010	03:00:07.114	03:09:18.139	551.025000
MM	79031	02-JUN-2010	05:51:54.732	05:57:50.269	355.537000
CM	79031	02-JUN-2010	06:18:27.339	06:30:09.920	702.581000
MM	79032	02-JUN-2010	07:33:04.716	07:40:52.397	467.681000
JO	79032	02-JUN-2010	07:11:43.854	07:24:42.470	778.616000
MM	79033	02-JUN-2010	09:13:33.451	09:23:39.804	606.353000
JO	79033	02-JUN-2010	08:50:02.297	09:04:29.542	867.245000
HO	79034	02-JUN-2010	11:05:10.971	11:13:57.526	526.555000
HO	79035	02-JUN-2010	12:42:26.071	12:57:09.793	883.722000
MM	79035	02-JUN-2010	12:33:41.024	12:46:15.332	754.308000
MA	79035	02-JUN-2010	11:55:05.036	11:59:33.745	268.709000
HO	79036	02-JUN-2010	14:22:22.824	14:34:55.517	752.693000

SG	79036	02-JUN-2010	14:37:30.286	14:49:44.276	733.99000
BE	79037	02-JUN-2010	14:47:07.890	14:59:56.525	768.63500
GS	79037	02-JUN-2010	15:13:37.426	15:26:57.036	799.61000
CM	79037	02-JUN-2010	15:23:40.967	15:32:56.106	555.13900
GS	79038	02-JUN-2010	16:53:05.870	17:06:06.503	780.63300
CM	79038	02-JUN-2010	17:01:46.929	17:13:23.498	696.56900
MM	79039	02-JUN-2010	19:11:10.970	19:23:49.760	758.79000
JO	79039	02-JUN-2010	19:31:47.023	19:43:41.443	714.42000
MM	79040	02-JUN-2010	20:50:37.634	21:03:21.357	763.72300
MA	79040	02-JUN-2010	19:49:48.548	20:02:37.441	768.89300
JO	79040	02-JUN-2010	21:09:51.557	21:24:36.546	884.98900
HO	79041	02-JUN-2010	22:23:26.253	22:35:22.557	716.30400
MM	79041	02-JUN-2010	22:30:45.321	22:43:08.912	743.59100

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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

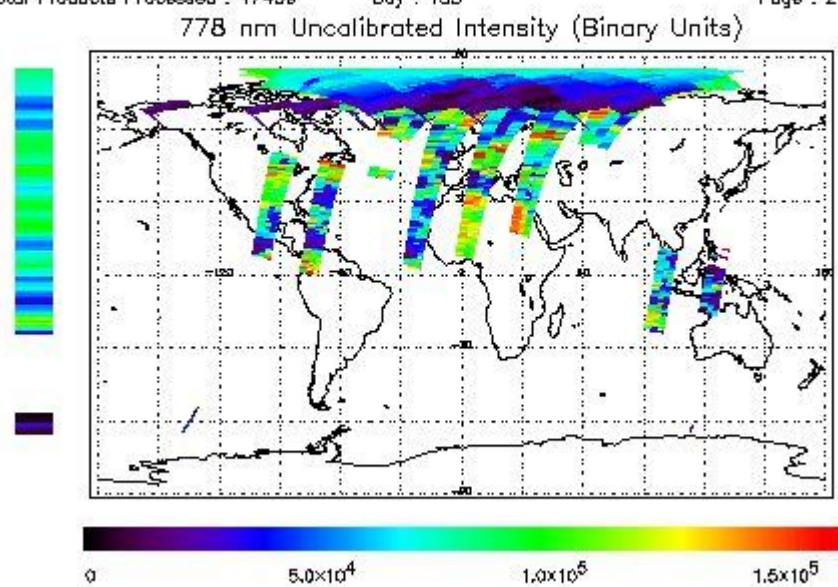
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 01-JUN-2010 23:54:47.439 : ORBIT : 79028.1622
 Last Product : 02-JUN-2010 23:31:48.591 : ORBIT : 79042.2481
 Total Products Processed : 17459 Day : 153 Page : 21

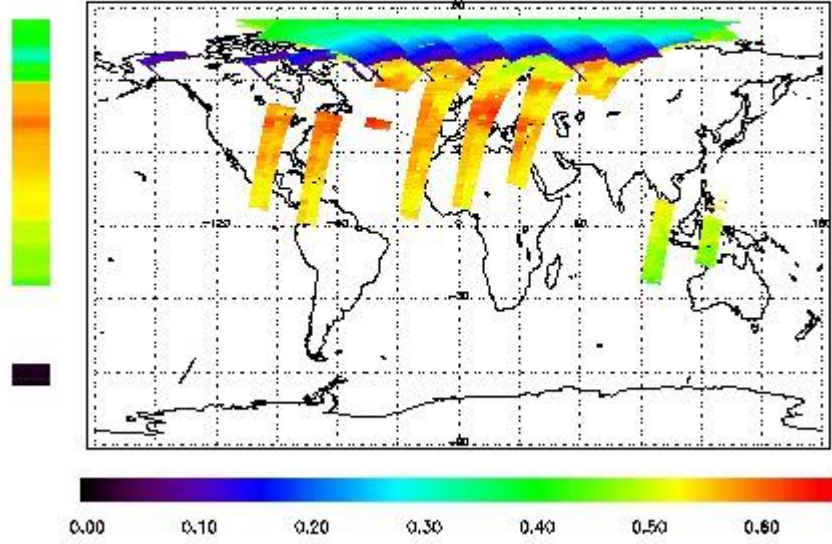


Ozone Line Ratio

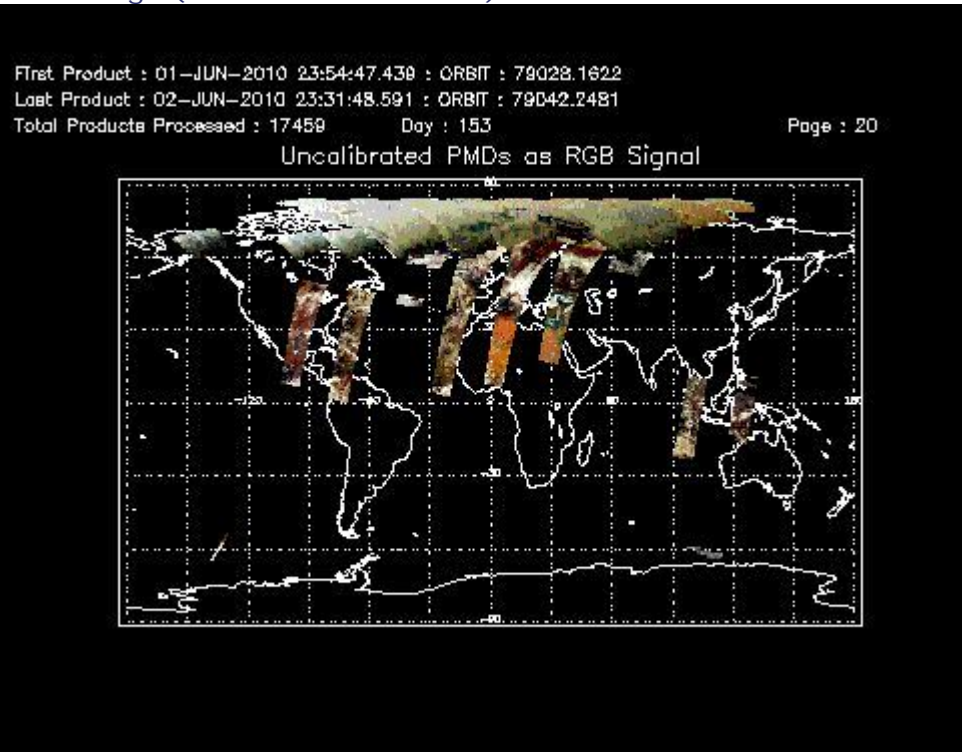
First Product : 01-JUN-2010 23:54:47.439 : ORBIT : 79028.1622
 Last Product : 02-JUN-2010 23:31:48.591 : ORBIT : 79042.2481
 Total Products Processed : 17459 Day : 153

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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	18:21:13	--	79039	Yes	--	14670

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
--	--	--

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