

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-JUN-2010
Start Time of First Product	23:56:39 (10-Jun)
Stop Time of Last Product	23:48:54
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100611BEEP3002.E2	11-JUN-2010	02:09:59.459
EGOI_100611BEEP3009.E2	11-JUN-2010	03:49:10.564
EGOI_100611GSEP8239.E2	11-JUN-2010	01:43:59.303
EGOI_100611GSEP8270.E2	11-JUN-2010	03:22:28.400
EGOI_100611GSEP8278.E2	11-JUN-2010	05:05:20.032
EGOI_100611KSEP2718.E2	11-JUN-2010	07:03:49.254
EGOI_100611KSEP2736.E2	11-JUN-2010	08:43:48.364
EGOI_100611KSEP2756.E2	11-JUN-2010	10:23:27.971
EGOI_100611KSEP2776.E2	11-JUN-2010	12:02:58.577

EGOI_100611KSEP2793.E2	11-JUN-2010	13:41:54.680
EGOI_100611KSEP2806.E2	11-JUN-2010	15:20:29.787
EGOI_100611KSEP2833.E2	11-JUN-2010	16:57:57.378
EGOI_100611KSEP2864.E2	11-JUN-2010	18:35:53.480
EGOI_100611KSEP2890.E2	11-JUN-2010	20:14:49.579
EGOI_100611KSEP2914.E2	11-JUN-2010	21:56:00.701
EGOI_100611KSEP2937.E2	11-JUN-2010	23:39:53.834
EGOI_100611MAEP3174.E2	11-JUN-2010	08:51:27.411
EGOI_100611MAEP3187.E2	11-JUN-2010	10:30:53.518
EGOI_100611MAEP3206.E2	11-JUN-2010	20:08:24.040
EGOI_100611MAEP3226.E2	11-JUN-2010	21:48:02.154
EGOI_100611MMEP9693.E2	11-JUN-2010	01:01:54.547
EGOI_100611MMEP9701.E2	11-JUN-2010	04:27:00.299
EGOI_100611MMEP9716.E2	11-JUN-2010	19:29:23.800
EGOI_100611MMEP9724.E2	11-JUN-2010	21:08:54.407
EGOI_100611MMEP9733.E2	11-JUN-2010	22:48:47.522
EGOI_100611MSEP8484.E2	10-JUN-2010	23:56:39.145
EGOI_100611MSEP8508.E2	11-JUN-2010	10:37:38.558
EGOI_100611MSEP8537.E2	11-JUN-2010	12:16:07.656
EGOI_100611MSEP8559.E2	11-JUN-2010	21:47:41.150
EGOI_100611MSEP8591.E2	11-JUN-2010	23:24:52.241
EGOI_100611SGEP6209.E2	11-JUN-2010	02:21:52.029
EGOI_100611SGEP6216.E2	11-JUN-2010	04:00:06.131
EGOI_100611SGEP6225.E2	11-JUN-2010	14:57:31.142
EGOI_100611SGEP6230.E2	11-JUN-2010	16:36:12.245

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79161	11-JUN-2010	07:02:46.140	07:03:49.254	63.114000
KS	79162	11-JUN-2010	08:42:13.255	08:43:48.363	95.108000
KS	79163	11-JUN-2010	10:21:50.826	10:23:27.970	97.144000
KS	79164	11-JUN-2010	12:01:17.870	12:02:58.576	100.70600
KS	79165	11-JUN-2010	13:40:16.118	13:41:54.680	98.562000
KS	79166	11-JUN-2010	15:18:30.489	15:20:29.787	119.29800
KS	79167	11-JUN-2010	16:56:11.973	16:57:57.378	105.40500
KS	79168	11-JUN-2010	18:34:16.739	18:35:53.479	96.740000
KS	79169	11-JUN-2010	20:13:37.579	20:14:49.579	72.000000
KS	79170	11-JUN-2010	21:54:54.466	21:56:00.701	66.235000
GS	79158	11-JUN-2010	01:42:50.095	01:43:59.303	69.208000
GS	79159	11-JUN-2010	03:21:18.244	03:22:28.399	70.155000

MS	79157	10-JUN-2010	23:55:18.550	23:56:39.145	80.595000
MS	79163	11-JUN-2010	10:35:51.967	10:37:38.558	106.59100
MS	79164	11-JUN-2010	12:14:24.035	12:16:07.656	103.62100
MS	79171	11-JUN-2010	23:23:29.060	23:24:52.241	83.181000
MA	79163	11-JUN-2010	10:29:51.978	10:30:53.517	61.539000
MA	79169	11-JUN-2010	20:06:25.510	20:08:24.040	118.53000
MA	79170	11-JUN-2010	21:47:01.223	21:48:02.153	60.930000
MM	79168	11-JUN-2010	19:28:11.891	19:29:23.799	71.908000
MM	79169	11-JUN-2010	21:07:44.026	21:08:54.407	70.381000
BE	79158	11-JUN-2010	02:08:10.115	02:09:59.459	109.34400
BE	79159	11-JUN-2010	03:47:22.062	03:49:10.564	108.50200
SG	79158	11-JUN-2010	02:20:41.208	02:21:52.029	70.821000
SG	79159	11-JUN-2010	03:58:21.751	04:00:06.130	104.37900
SG	79165	11-JUN-2010	14:53:59.840	14:57:31.142	211.30200
SG	79166	11-JUN-2010	16:34:24.469	16:36:12.244	107.77500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79157	11-JUN-2010	00:49:31.323	01:03:24.490	833.16700
KS	79157	11-JUN-2010	00:12:47.624	00:16:50.240	242.61600
MM	79158	11-JUN-2010	02:44:00.277	02:52:14.914	494.63700
MI	79158	11-JUN-2010	01:43:03.305	01:46:00.465	177.16000
CM	79159	11-JUN-2010	03:16:14.249	03:26:58.913	644.66400
CM	79159	11-JUN-2010	04:55:25.938	05:06:06.084	640.14600
MM	79160	11-JUN-2010	06:09:20.182	06:15:27.599	367.41700
MM	79161	11-JUN-2010	07:50:20.134	07:58:32.553	492.41900
JO	79161	11-JUN-2010	07:28:08.446	07:42:04.945	836.49900
MM	79162	11-JUN-2010	09:30:44.855	09:41:11.807	626.95200
JO	79162	11-JUN-2010	09:07:30.633	09:21:11.853	821.22000
HO	79163	11-JUN-2010	11:21:21.069	11:31:59.543	638.47400
MM	79163	11-JUN-2010	11:10:52.992	11:22:50.555	717.56300
HO	79164	11-JUN-2010	12:59:23.289	13:14:12.703	889.41400
MM	79164	11-JUN-2010	12:50:47.693	13:03:25.858	758.16500
HO	79165	11-JUN-2010	14:39:42.819	14:50:47.518	664.69900
MM	79165	11-JUN-2010	14:30:27.643	14:43:10.440	762.79700

SG	79165	11-JUN-2010	14:53:59.840	15:07:12.234	792.39400
BE	79166	11-JUN-2010	15:04:37.741	15:16:44.136	726.39500
MM	79166	11-JUN-2010	16:09:51.275	16:22:25.465	754.19000
MI	79166	11-JUN-2010	15:36:31.191	15:49:38.173	786.98200
GS	79166	11-JUN-2010	15:30:33.224	15:44:16.326	823.10200
CM	79166	11-JUN-2010	15:39:57.084	15:50:48.561	651.47700
MM	79167	11-JUN-2010	17:49:01.664	18:01:33.957	752.29300
MI	79167	11-JUN-2010	17:17:02.504	17:26:53.607	591.10300
GS	79167	11-JUN-2010	17:10:18.414	17:22:39.845	741.43100
CM	79167	11-JUN-2010	17:19:14.230	17:29:47.653	633.42300
JO	79168	11-JUN-2010	19:48:13.193	20:01:30.713	797.52000
JO	79169	11-JUN-2010	21:27:04.191	21:41:17.420	853.22900
HO	79170	11-JUN-2010	22:39:46.747	22:52:34.711	767.96400

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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

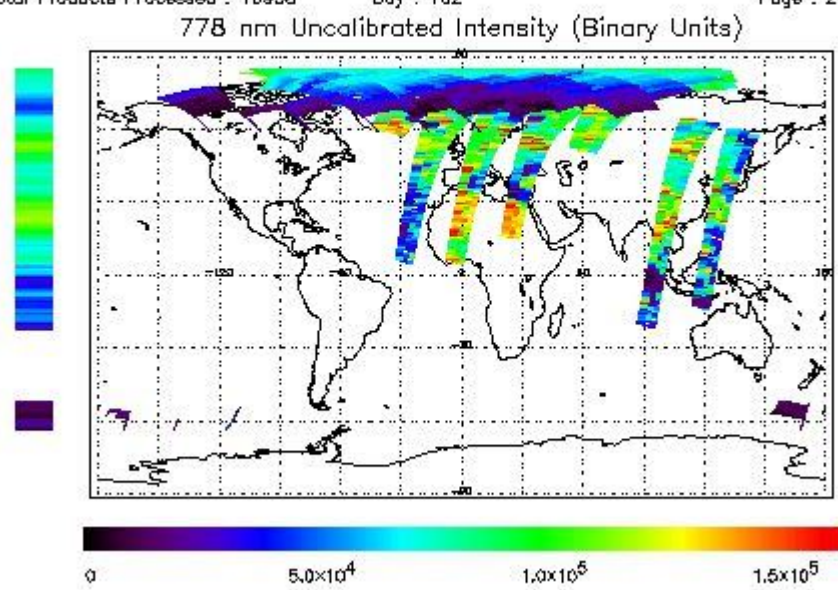
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 10-JUN-2010 23:56:39.145 : ORBIT : 79157.0093
 Last Product : 11-JUN-2010 23:48:53.888 : ORBIT : 79171.2465
 Total Products Processed : 16958 Day : 162 Page : 21

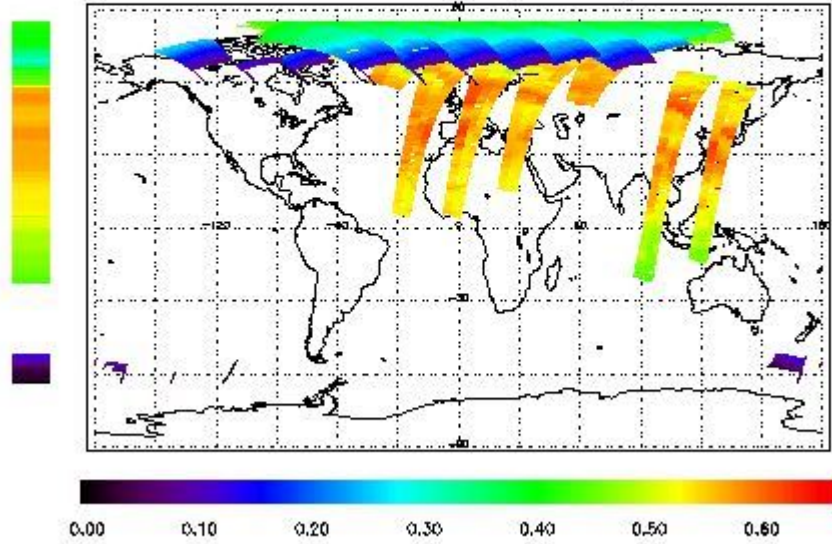


Ozone Line Ratio

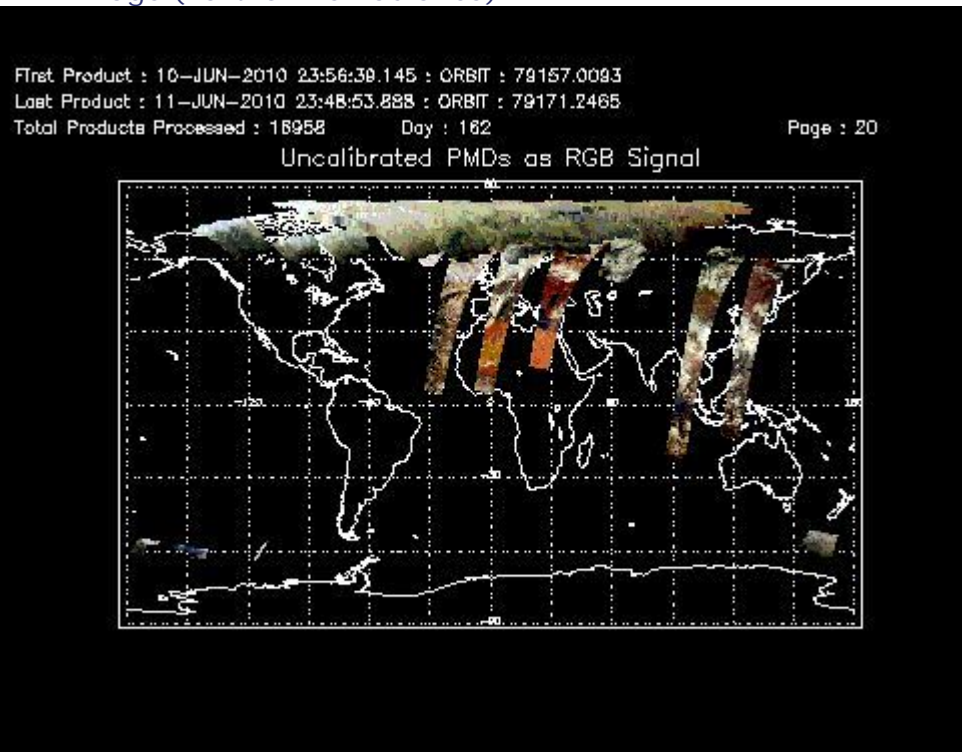
First Product : 10-JUN-2010 23:56:39.145 : ORBIT : 79157.0093
 Last Product : 11-JUN-2010 23:48:53.888 : ORBIT : 79171.2465
 Total Products Processed : 18958 Day : 162

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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	16:57:57.377	--	79167	Yes	--	14630

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
--	--	--	--	--

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