

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-JUL-2010
Start Time of First Product	00:18:20
Stop Time of Last Product	23:06:23
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_100711HLEP5930.E2	11-JUL-2010	15:40:12.784
EGOI_100711KSEP9189.E2	11-JUL-2010	06:21:18.373
EGOI_100711KSEP9207.E2	11-JUL-2010	08:01:11.491
EGOI_100711KSEP9231.E2	11-JUL-2010	09:40:51.097
EGOI_100711KSEP9262.E2	11-JUL-2010	11:20:26.203
EGOI_100711KSEP9285.E2	11-JUL-2010	12:59:37.309
EGOI_100711KSEP9296.E2	11-JUL-2010	14:38:27.408
EGOI_100711KSEP9322.E2	11-JUL-2010	16:16:07.003
EGOI_100711KSEP9352.E2	11-JUL-2010	17:54:12.101

EGOI_100711KSEP9384.E2	11-JUL-2010	19:32:12.700
EGOI_100711KSEP9415.E2	11-JUL-2010	21:12:28.310
EGOI_100711KSEP9424.E2	11-JUL-2010	22:55:01.936
EGOI_100711MAEP4379.E2	11-JUL-2010	08:09:53.542
EGOI_100711MAEP4394.E2	11-JUL-2010	09:48:16.640
EGOI_100711MIEP5982.E2	11-JUL-2010	02:36:17.010
EGOI_100711MIEP6004.E2	11-JUL-2010	04:15:10.108
EGOI_100711MIEP6024.E2	11-JUL-2010	14:56:29.021
EGOI_100711MIEP6034.E2	11-JUL-2010	16:34:55.116
EGOI_100711MMEP1143.E2	11-JUL-2010	00:18:20.666
EGOI_100711MMEP1151.E2	11-JUL-2010	02:00:21.288
EGOI_100711MMEP1161.E2	11-JUL-2010	10:28:40.883
EGOI_100711MMEP1168.E2	11-JUL-2010	12:08:59.500
EGOI_100711MMEP1177.E2	11-JUL-2010	13:48:27.103
EGOI_100711MMEP1185.E2	11-JUL-2010	15:27:56.210
EGOI_100711MMEP1192.E2	11-JUL-2010	17:07:49.319
EGOI_100711MMEP1199.E2	11-JUL-2010	22:06:25.639
EGOI_100711MSEP1946.E2	11-JUL-2010	00:56:53.901
EGOI_100711MSEP1957.E2	11-JUL-2010	09:57:10.695
EGOI_100711MSEP1982.E2	11-JUL-2010	11:33:30.782
EGOI_100711MSEP2006.E2	11-JUL-2010	13:14:20.892
EGOI_100711MSEP2032.E2	11-JUL-2010	22:42:27.358
EGOI_100711SGEP6982.E2	11-JUL-2010	03:17:23.256
EGOI_100711SGEP6988.E2	11-JUL-2010	04:59:02.873
EGOI_100711SGEP6995.E2	11-JUL-2010	14:14:40.763

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79591	11-JUL-2010	07:59:32.735	08:01:11.490	98.755000
KS	79592	11-JUL-2010	09:39:09.321	09:40:51.097	101.77600
KS	79593	11-JUL-2010	11:18:42.947	11:20:26.202	103.25500
KS	79594	11-JUL-2010	12:57:55.975	12:59:37.308	101.33300
KS	79595	11-JUL-2010	14:36:40.225	14:38:27.407	107.18200
KS	79596	11-JUL-2010	16:14:20.590	16:16:07.003	106.41300
KS	79597	11-JUL-2010	17:52:14.117	17:54:12.101	117.98400
KS	79598	11-JUL-2010	19:30:50.873	19:32:12.700	81.827000
KS	79599	11-JUL-2010	21:11:13.427	21:12:28.309	74.882000
KS	79600	11-JUL-2010	22:53:56.077	22:55:01.936	65.859000
MS	79593	11-JUL-2010	11:31:39.588	11:33:30.781	111.19300
MS	79594	11-JUL-2010	13:12:35.923	13:14:20.892	104.96900

MS	79600	11-JUL-2010	22:41:05.869	22:42:27.357	81.488000
MA	79592	11-JUL-2010	09:47:12.108	09:48:16.640	64.532000
MI	79588	11-JUL-2010	02:34:44.139	02:36:17.010	92.871000
MI	79589	11-JUL-2010	04:13:37.846	04:15:10.107	92.261000
MI	79595	11-JUL-2010	14:54:58.635	14:56:29.021	90.386000
MI	79596	11-JUL-2010	16:33:21.959	16:34:55.116	93.157000
MM	79596	11-JUL-2010	17:06:32.528	17:07:49.318	76.790000
MM	79599	11-JUL-2010	22:04:55.457	22:06:25.639	90.182000
SG	79588	11-JUL-2010	03:15:37.140	03:17:23.255	106.11500
SG	79588	11-JUL-2010	03:19:03.763	03:29:25.113	621.35000
SG	79589	11-JUL-2010	04:57:53.716	04:59:02.873	69.157000
SG	79594	11-JUL-2010	14:13:23.182	14:14:40.763	77.581000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79586	11-JUL-2010	00:06:25.022	00:21:00.592	875.57000
HO	79587	11-JUL-2010	01:48:58.530	01:58:53.225	594.69500
GS	79587	11-JUL-2010	01:02:03.327	01:11:59.812	596.48500
BE	79588	11-JUL-2010	03:04:32.963	03:17:57.851	804.88800
MM	79588	11-JUL-2010	03:42:55.686	03:49:50.689	415.00300
GS	79588	11-JUL-2010	02:38:34.128	02:52:26.431	832.30300
CM	79588	11-JUL-2010	02:37:11.045	02:41:41.275	270.23000
CM	79588	11-JUL-2010	04:11:58.377	04:24:21.799	743.42200
BE	79589	11-JUL-2010	04:45:15.029	04:54:25.657	550.62800
MM	79589	11-JUL-2010	05:25:41.636	05:31:28.376	346.74000
GS	79589	11-JUL-2010	04:19:45.928	04:31:03.998	678.07000
MM	79590	11-JUL-2010	07:07:09.427	07:14:21.174	431.74700
JO	79590	11-JUL-2010	06:47:35.882	06:58:19.702	643.82000
MM	79591	11-JUL-2010	08:47:45.399	08:57:18.503	573.10400
JO	79591	11-JUL-2010	08:24:11.518	08:39:11.027	899.50900
JO	79592	11-JUL-2010	10:08:17.579	10:14:45.648	388.06900
MA	79593	11-JUL-2010	11:28:24.913	11:36:24.449	479.53600
HO	79594	11-JUL-2010	13:56:25.430	14:10:23.665	838.23500
SG	79594	11-JUL-2010	14:13:23.182	14:22:58.094	574.91200
BE	79595	11-JUL-2010	14:21:13.263	14:34:34.143	800.88000

GS	79595	11-JUL-2010	14:48:22.352	15:00:39.884	737.53200
CM	79595	11-JUL-2010	15:00:41.799	15:04:38.459	236.66000
BE	79596	11-JUL-2010	16:05:11.997	16:11:05.738	353.74100
GS	79596	11-JUL-2010	16:27:22.181	16:41:01.778	819.59700
CM	79596	11-JUL-2010	16:35:57.338	16:48:19.046	741.70800
MM	79597	11-JUL-2010	18:45:40.533	18:58:16.894	756.36100
GS	79597	11-JUL-2010	18:08:09.438	18:16:43.416	513.97800
JO	79597	11-JUL-2010	19:07:49.976	19:16:08.744	498.76800
MM	79598	11-JUL-2010	20:25:00.304	20:37:44.202	763.89800
MA	79598	11-JUL-2010	19:27:03.329	19:36:24.602	561.27300
JO	79598	11-JUL-2010	20:44:14.169	20:59:15.808	901.63900
MA	79599	11-JUL-2010	21:03:00.741	21:16:26.905	806.16400
JO	79599	11-JUL-2010	22:25:28.736	22:35:15.633	586.89700
HO	79600	11-JUL-2010	23:35:21.111	23:49:44.161	863.05000
MM	79600	11-JUL-2010	23:45:45.442	23:57:25.891	700.44900

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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

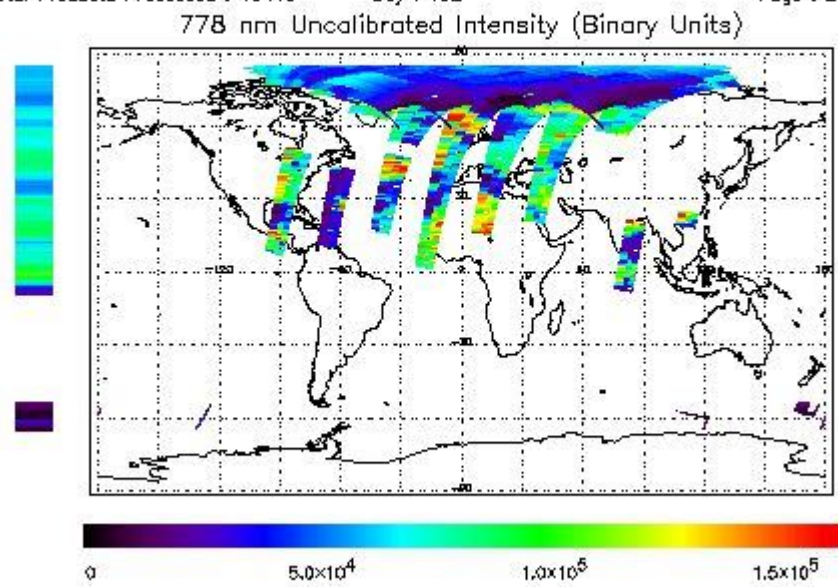
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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 : 11-JUL-2010 00:18:20.666 : ORBIT : 79586.6535
 Last Product : 11-JUL-2010 23:06:23.002 : ORBIT : 79600.2525
 Total Products Processed : 15443 Day : 192 Page : 21

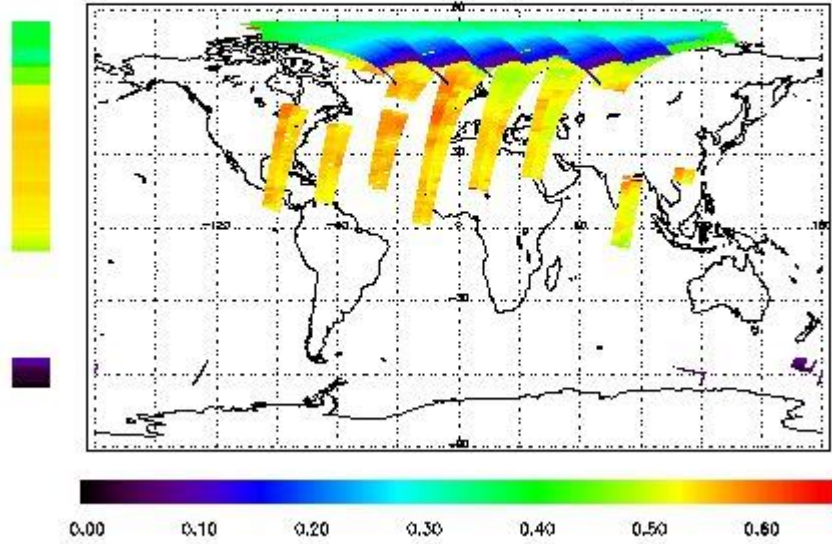


Ozone Line Ratio

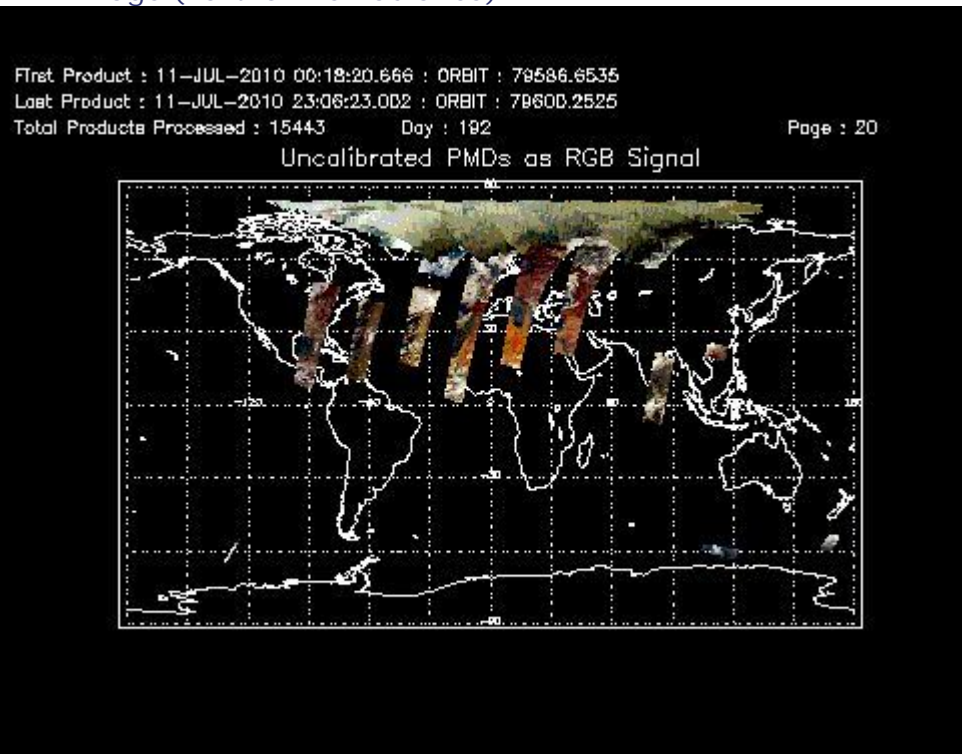
First Product : 11-JUL-2010 00:18:20.666 : ORBIT : 79586.6535
 Last Product : 11-JUL-2010 23:06:23.002 : ORBIT : 79600.2525
 Total Products Processed : 15443 Day : 192

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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	17:55:28.608	--	79597	Yes	--	14578

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

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