

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-JUL-2010
Start Time of First Product	00:11:05
Stop Time of Last Product	23:09:23
Number of EGOI Products analysed	35
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100730GSEP1728.E2	30-JUL-2010	01:05:45.347
EGOI_100730GSEP1749.E2	30-JUL-2010	02:42:45.940
EGOI_100730GSEP1773.E2	30-JUL-2010	04:24:03.063
EGOI_100730GSEP1780.E2	30-JUL-2010	06:06:29.189
EGOI_100730HLEP6394.E2	30-JUL-2010	00:11:04.501
EGOI_100730HLEP6404.E2	30-JUL-2010	01:53:45.634
EGOI_100730HLEP6414.E2	30-JUL-2010	15:43:40.217
EGOI_100730KSEP3973.E2	30-JUL-2010	06:24:14.298
EGOI_100730KSEP3988.E2	30-JUL-2010	08:04:13.408

EGOI_100730KSEP4010.E2	30-JUL-2010	09:43:51.513
EGOI_100730KSEP4033.E2	30-JUL-2010	11:23:29.623
EGOI_100730KSEP4048.E2	30-JUL-2010	13:02:37.730
EGOI_100730KSEP4057.E2	30-JUL-2010	14:41:24.837
EGOI_100730KSEP4083.E2	30-JUL-2010	16:19:04.432
EGOI_100730KSEP4113.E2	30-JUL-2010	17:57:11.035
EGOI_100730KSEP4145.E2	30-JUL-2010	19:35:05.629
EGOI_100730KSEP4176.E2	30-JUL-2010	21:15:28.744
EGOI_100730KSEP4193.E2	30-JUL-2010	22:58:06.871
EGOI_100730MAEP5061.E2	30-JUL-2010	08:12:58.442
EGOI_100730MAEP5078.E2	30-JUL-2010	09:51:20.044
EGOI_100730MIEP7583.E2	30-JUL-2010	02:39:11.421
EGOI_100730MIEP7605.E2	30-JUL-2010	04:18:16.524
EGOI_100730MIEP7628.E2	30-JUL-2010	14:59:24.946
EGOI_100730MIEP7645.E2	30-JUL-2010	16:38:00.049
EGOI_100730MMEP2225.E2	30-JUL-2010	02:03:30.698
EGOI_100730MMEP2234.E2	30-JUL-2010	10:31:45.807
EGOI_100730MMEP2242.E2	30-JUL-2010	12:11:55.424
EGOI_100730MMEP2249.E2	30-JUL-2010	17:10:57.248
EGOI_100730MMEP2254.E2	30-JUL-2010	18:50:11.356
EGOI_100730MMEP2258.E2	30-JUL-2010	20:29:16.459
EGOI_100730MSEP4164.E2	30-JUL-2010	01:00:03.311
EGOI_100730MSEP4180.E2	30-JUL-2010	09:59:44.112
EGOI_100730MSEP4202.E2	30-JUL-2010	11:36:31.202
EGOI_100730MSEP4225.E2	30-JUL-2010	13:17:27.321
EGOI_100730MSEP4256.E2	30-JUL-2010	22:45:24.792

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79863	30-JUL-2010	08:02:23.345	08:04:13.408	110.06300
KS	79864	30-JUL-2010	09:42:00.123	09:43:51.513	111.39000
KS	79865	30-JUL-2010	11:21:33.407	11:23:29.622	116.21500
KS	79866	30-JUL-2010	13:00:45.565	13:02:37.730	112.16500
KS	79867	30-JUL-2010	14:39:28.864	14:41:24.837	115.97300
KS	79868	30-JUL-2010	16:17:09.059	16:19:04.431	115.37200
KS	79869	30-JUL-2010	17:55:00.886	17:57:11.035	130.14900
KS	79870	30-JUL-2010	19:33:41.383	19:35:05.629	84.246000
KS	79871	30-JUL-2010	21:14:07.336	21:15:28.743	81.407000
KS	79872	30-JUL-2010	22:56:54.811	22:58:06.870	72.059000
GS	79859	30-JUL-2010	01:04:44.472	01:05:45.347	60.875000
GS	79860	30-JUL-2010	02:41:23.555	02:42:45.940	82.385000

GS	79861	30-JUL-2010	04:22:44.876	04:24:03.062	78.186000
MS	79865	30-JUL-2010	11:34:30.474	11:36:31.201	120.72700
MS	79866	30-JUL-2010	13:15:33.702	13:17:27.321	113.61900
MS	79872	30-JUL-2010	22:43:53.334	22:45:24.792	91.458000
MA	79863	30-JUL-2010	08:11:57.015	08:12:58.442	61.427000
MA	79864	30-JUL-2010	09:50:02.641	09:51:20.044	77.403000
MI	79860	30-JUL-2010	02:37:27.825	02:39:11.420	103.59500
MI	79861	30-JUL-2010	04:16:33.629	04:18:16.523	102.89400
MI	79867	30-JUL-2010	14:57:42.111	14:59:24.945	102.83400
MI	79868	30-JUL-2010	16:36:14.693	16:38:00.048	105.35500
MM	79865	30-JUL-2010	12:10:51.473	12:11:55.423	63.950000
MM	79868	30-JUL-2010	17:09:22.503	17:10:57.247	94.744000
MM	79869	30-JUL-2010	18:48:30.537	18:50:11.355	100.81800
MM	79870	30-JUL-2010	20:27:50.995	20:29:16.458	85.463000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79858	30-JUL-2010	00:09:13.585	00:23:50.792	877.20700
MM	79858	30-JUL-2010	00:20:34.518	00:31:45.412	670.89400
HO	79859	30-JUL-2010	01:52:05.857	02:01:33.979	568.12200
BE	79860	30-JUL-2010	03:07:23.468	03:20:47.765	804.29700
MM	79860	30-JUL-2010	03:45:52.486	03:52:43.878	411.39200
SG	79860	30-JUL-2010	03:18:25.975	03:32:16.170	830.19500
CM	79860	30-JUL-2010	02:39:34.343	02:44:54.385	320.04200
CM	79860	30-JUL-2010	04:14:49.444	04:27:11.013	741.56900
BE	79861	30-JUL-2010	04:48:11.050	04:57:04.898	533.84800
MM	79861	30-JUL-2010	05:28:36.725	05:34:23.868	347.14300
SG	79861	30-JUL-2010	05:01:03.729	05:07:40.109	396.38000
MM	79862	30-JUL-2010	07:10:02.383	07:17:18.002	435.61900
JO	79862	30-JUL-2010	06:50:14.624	07:01:17.081	662.45700
MM	79863	30-JUL-2010	08:50:37.466	09:00:14.390	576.92400
JO	79863	30-JUL-2010	08:27:02.651	08:42:00.521	897.87000
MA	79865	30-JUL-2010	11:31:18.528	11:39:02.709	464.18100
MM	79866	30-JUL-2010	13:50:37.568	14:03:21.469	763.90100
SG	79866	30-JUL-2010	14:16:00.871	14:25:59.436	598.56500

BE	79867	30-JUL-2010	14:24:04.913	14:37:23.843	798.93000
MM	79867	30-JUL-2010	15:30:07.764	15:42:45.472	757.70800
GS	79867	30-JUL-2010	14:51:10.064	15:03:36.334	746.27000
SG	79867	30-JUL-2010	15:53:22.093	16:06:46.622	804.52900
CM	79867	30-JUL-2010	15:03:02.022	15:08:00.326	298.30400
GS	79868	30-JUL-2010	16:30:13.414	16:43:49.817	816.40300
CM	79868	30-JUL-2010	16:38:48.404	16:51:07.689	739.28500
GS	79869	30-JUL-2010	18:11:04.960	18:19:22.030	497.07000
JO	79869	30-JUL-2010	19:10:25.447	19:19:16.977	531.53000
MA	79870	30-JUL-2010	19:27:53.331	19:39:19.130	685.79900
JO	79870	30-JUL-2010	20:47:04.316	21:02:05.897	901.58100
HO	79871	30-JUL-2010	22:01:54.496	22:12:13.831	619.33500
MM	79871	30-JUL-2010	22:07:47.478	22:20:19.042	751.56400
MA	79871	30-JUL-2010	21:05:56.360	21:19:16.456	800.09600
JO	79871	30-JUL-2010	22:28:28.287	22:37:51.571	563.28400
HO	79872	30-JUL-2010	23:38:11.695	23:52:34.855	863.16000
MM	79872	30-JUL-2010	23:48:39.233	00:00:17.457	698.22400

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1.5 - List of corrupted products

Station	Orbit	Time
MM	79863	08:13:05.946

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

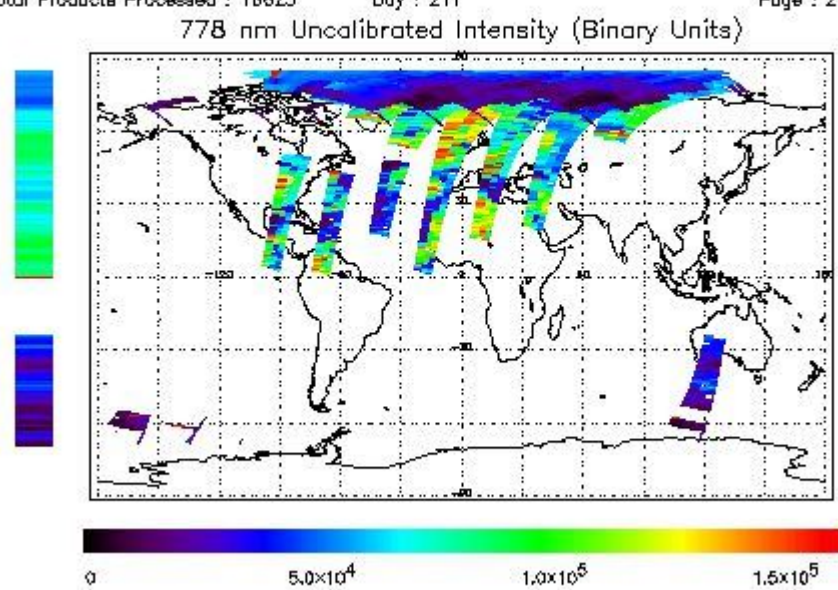
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 30-JUL-2010 00:11:04.501 : ORBIT : 79858.5527
 Last Product : 30-JUL-2010 23:09:23.441 : ORBIT : 79872.2538
 Total Products Processed : 18623 Day : 211 Page : 21

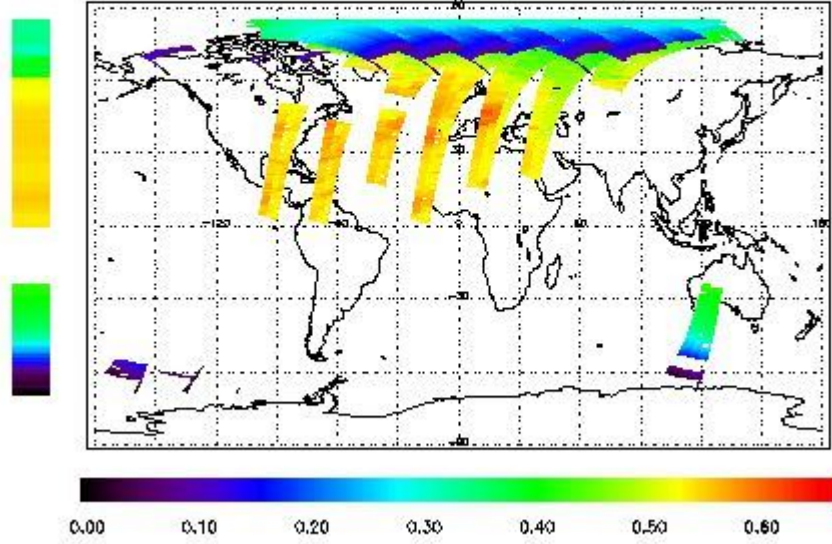


Ozone Line Ratio

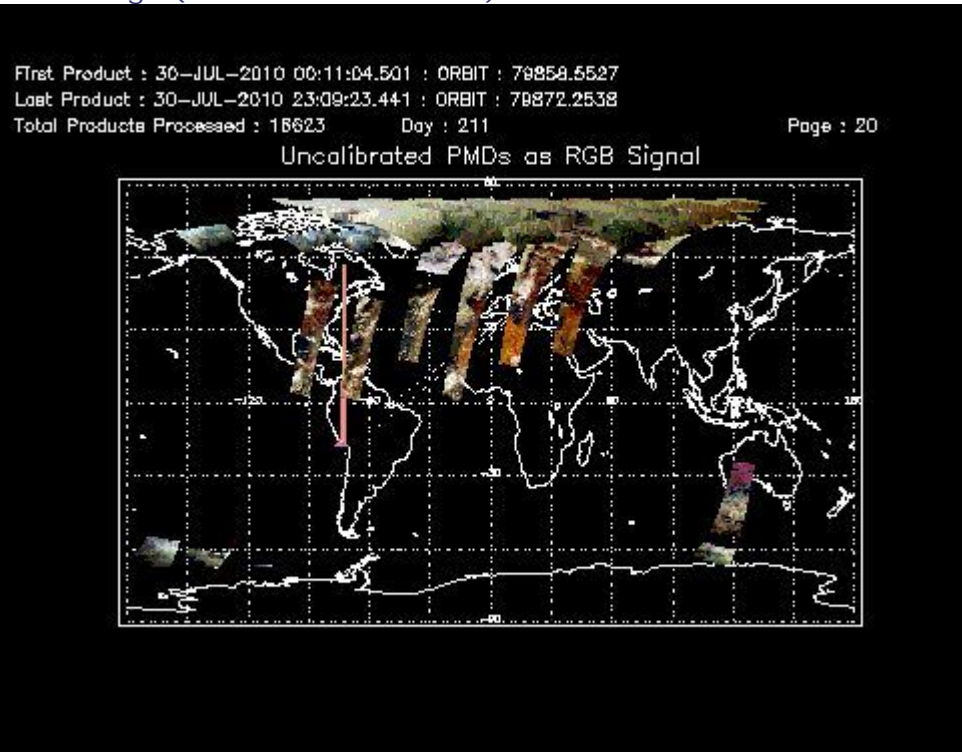
First Product : 30-JUL-2010 00:11:04.501 : ORBIT : 79858.5527
 Last Product : 30-JUL-2010 23:09:23.441 : ORBIT : 79872.2538
 Total Products Processed : 18623 Day : 211

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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	17:59:30.550	--	79869	Yes	--	14640

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
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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