

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-JAN-2011
Start Time of First Product	06-01-2011 23:57:37
Stop Time of Last Product	23:49:48
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS-2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_110107CMEP3237.E2	07-JAN-2011	03:17:41.955
EGOI_110107CMEP3246.E2	07-JAN-2011	05:00:00.581
EGOI_110107CMEP3254.E2	07-JAN-2011	15:41:27.056
EGOI_110107CMEP3263.E2	07-JAN-2011	17:20:42.666
EGOI_110107GSEP2981.E2	07-JAN-2011	01:44:38.375
EGOI_110107GSEP3012.E2	07-JAN-2011	03:23:11.986
EGOI_110107GSEP3020.E2	07-JAN-2011	05:06:12.628
EGOI_110107KSEP3429.E2	07-JAN-2011	07:04:46.360
EGOI_110107KSEP3446.E2	07-JAN-2011	08:44:45.471

EGOI_110107KSEP3467.E2	07-JAN-2011	10:24:25.095
EGOI_110107KSEP3497.E2	07-JAN-2011	12:03:52.707
EGOI_110107KSEP3514.E2	07-JAN-2011	13:42:51.820
EGOI_110107KSEP3523.E2	07-JAN-2011	15:21:25.431
EGOI_110107KSEP3550.E2	07-JAN-2011	16:58:54.535
EGOI_110107KSEP3581.E2	07-JAN-2011	18:36:50.640
EGOI_110107KSEP3606.E2	07-JAN-2011	20:15:42.253
EGOI_110107KSEP3633.E2	07-JAN-2011	21:56:57.877
EGOI_110107KSEP3656.E2	07-JAN-2011	23:40:48.025
EGOI_110107MAEP1639.E2	07-JAN-2011	08:53:21.530
EGOI_110107MAEP1649.E2	07-JAN-2011	10:31:50.637
EGOI_110107MAEP1667.E2	07-JAN-2011	20:09:12.208
EGOI_110107MAEP1689.E2	07-JAN-2011	21:48:59.328
EGOI_110107MSEP2703.E2	06-JAN-2011	23:57:37.716
EGOI_110107MSEP2724.E2	07-JAN-2011	10:38:34.179
EGOI_110107MSEP2753.E2	07-JAN-2011	12:17:04.787
EGOI_110107MSEP2776.E2	07-JAN-2011	21:48:45.826
EGOI_110107MSEP2810.E2	07-JAN-2011	23:25:50.931
EGOI_110107SGEP0712.E2	07-JAN-2011	14:58:28.286
EGOI_110107SGEP0718.E2	07-JAN-2011	16:37:09.398

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82167	07-JAN-2011	07:02:46.140	07:04:46.360	120.22000
KS	82168	07-JAN-2011	08:42:13.256	08:44:45.471	152.21500
KS	82169	07-JAN-2011	10:21:50.827	10:24:25.095	154.26800
KS	82170	07-JAN-2011	12:01:17.871	12:03:52.707	154.83600
KS	82171	07-JAN-2011	13:40:16.119	13:42:51.820	155.70100
KS	82172	07-JAN-2011	15:18:30.490	15:21:25.430	174.94000
KS	82173	07-JAN-2011	16:56:11.974	16:58:54.534	162.56000
KS	82174	07-JAN-2011	18:34:16.739	18:36:50.639	153.90000
KS	82175	07-JAN-2011	20:13:37.580	20:15:42.252	124.67200
KS	82176	07-JAN-2011	21:54:54.467	21:56:57.877	123.41000
KS	82177	07-JAN-2011	23:38:58.617	23:40:48.024	109.40700
GS	82164	07-JAN-2011	01:42:50.096	01:44:38.374	108.27800
GS	82165	07-JAN-2011	03:21:18.245	03:23:11.985	113.74000
MS	82163	06-JAN-2011	23:55:18.551	23:57:37.716	139.16500
MS	82169	07-JAN-2011	10:35:51.968	10:38:34.179	162.21100
MS	82170	07-JAN-2011	12:14:24.036	12:17:04.786	160.75000

MS	82177	07-JAN-2011	23:23:29.061	23:25:50.930	141.86900
MA	82168	07-JAN-2011	08:51:17.208	08:53:21.529	124.32100
MA	82169	07-JAN-2011	10:29:51.979	10:31:50.636	118.65700
MA	82175	07-JAN-2011	20:06:25.511	20:09:12.208	166.69700
MA	82176	07-JAN-2011	21:47:01.224	21:48:59.327	118.10300
SG	82171	07-JAN-2011	14:53:59.841	14:58:28.285	268.44400
SG	82172	07-JAN-2011	16:34:24.470	16:37:09.398	164.92800
CM	82165	07-JAN-2011	03:16:14.250	03:17:41.955	87.705000
CM	82172	07-JAN-2011	15:39:57.085	15:41:27.055	89.970000
CM	82173	07-JAN-2011	17:19:14.231	17:20:42.665	88.434000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82163	07-JAN-2011	00:49:31.324	01:03:24.491	833.16700
MM	82163	07-JAN-2011	01:01:21.569	01:11:50.255	628.68600
KS	82163	07-JAN-2011	00:12:47.625	00:16:50.241	242.61600
BE	82164	07-JAN-2011	02:08:10.116	02:20:23.842	733.72600
MM	82164	07-JAN-2011	02:44:00.278	02:52:14.915	494.63700
MI	82164	07-JAN-2011	01:43:03.306	01:46:00.466	177.16000
SG	82164	07-JAN-2011	02:20:41.209	02:31:06.093	624.88400
BE	82165	07-JAN-2011	03:47:22.063	04:00:00.552	758.48900
MM	82165	07-JAN-2011	04:27:05.371	04:33:14.043	368.67200
SG	82165	07-JAN-2011	03:58:21.752	04:11:37.972	796.22000
MM	82166	07-JAN-2011	06:09:20.183	06:15:27.600	367.41700
MM	82167	07-JAN-2011	07:50:20.134	07:58:32.553	492.41900
JO	82167	07-JAN-2011	07:28:08.446	07:42:04.945	836.49900
MM	82168	07-JAN-2011	09:30:44.856	09:41:11.808	626.95200
JO	82168	07-JAN-2011	09:07:30.634	09:21:11.854	821.22000
HO	82169	07-JAN-2011	11:21:21.070	11:31:59.544	638.47400
MM	82169	07-JAN-2011	11:10:52.993	11:22:50.556	717.56300
HO	82170	07-JAN-2011	12:59:23.290	13:14:12.704	889.41400
MM	82170	07-JAN-2011	12:50:47.694	13:03:25.859	758.16500
HO	82171	07-JAN-2011	14:39:42.820	14:50:47.519	664.69900
MM	82171	07-JAN-2011	14:30:27.644	14:43:10.441	762.79700
SG	82171	07-JAN-2011	14:53:59.841	15:07:12.235	792.39400

BE	82172	07-JAN-2011	15:04:37.742	15:16:44.137	726.39500
MM	82172	07-JAN-2011	16:09:51.276	16:22:25.466	754.19000
MI	82172	07-JAN-2011	15:36:31.192	15:49:38.174	786.98200
GS	82172	07-JAN-2011	15:30:33.225	15:44:16.327	823.10200
MM	82173	07-JAN-2011	17:49:01.665	18:01:33.958	752.29300
MI	82173	07-JAN-2011	17:17:02.505	17:26:53.608	591.10300
GS	82173	07-JAN-2011	17:10:18.415	17:22:39.846	741.43100
MM	82174	07-JAN-2011	19:28:11.891	19:40:52.270	760.37900
JO	82174	07-JAN-2011	19:48:13.193	20:01:30.713	797.52000
MM	82175	07-JAN-2011	21:07:44.027	21:20:26.718	762.69100
JO	82175	07-JAN-2011	21:27:04.192	21:41:17.421	853.22900
HO	82176	07-JAN-2011	22:39:46.748	22:52:34.712	767.96400
MM	82176	07-JAN-2011	22:48:00.732	23:00:16.794	736.06200

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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	Polar View operated
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

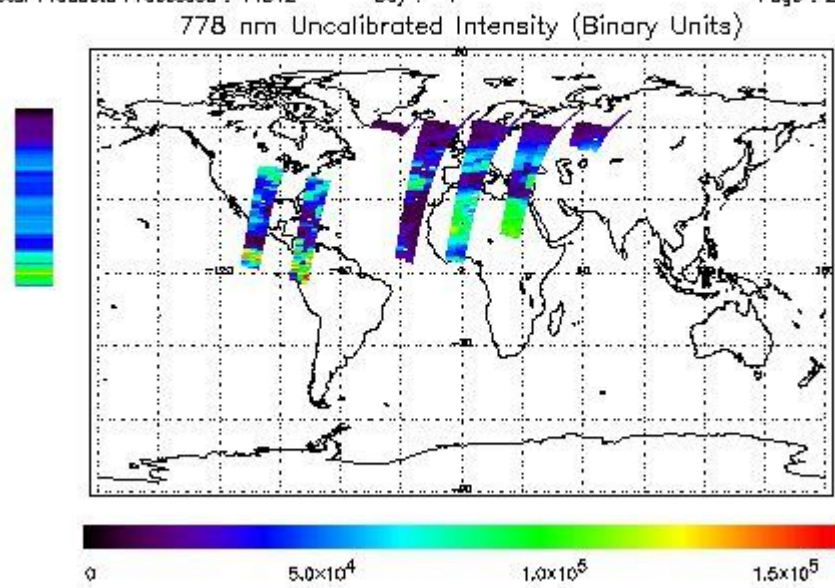
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 06-JAN-2011 23:57:37.716 : ORBIT : 82163.0190
 Last Product : 07-JAN-2011 23:49:48.079 : ORBIT : 82177.2555
 Total Products Processed : 14512 Day : 7 Page : 21

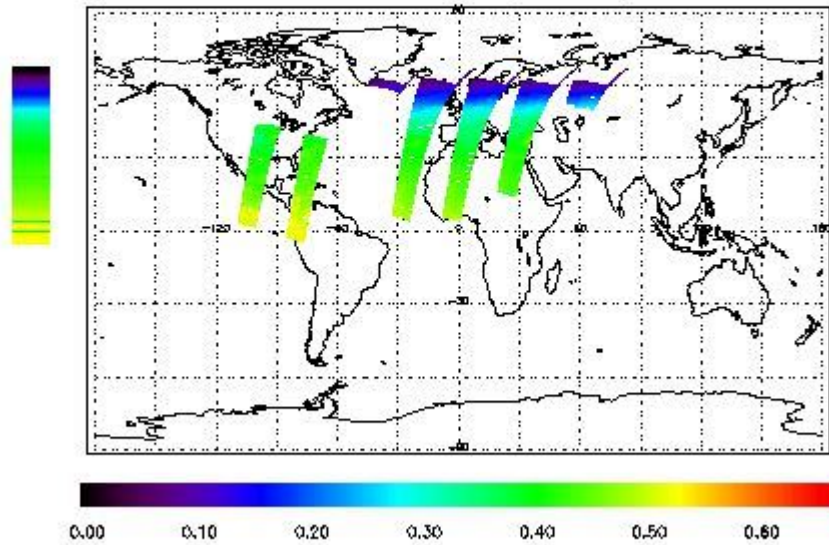


Ozone Line Ratio

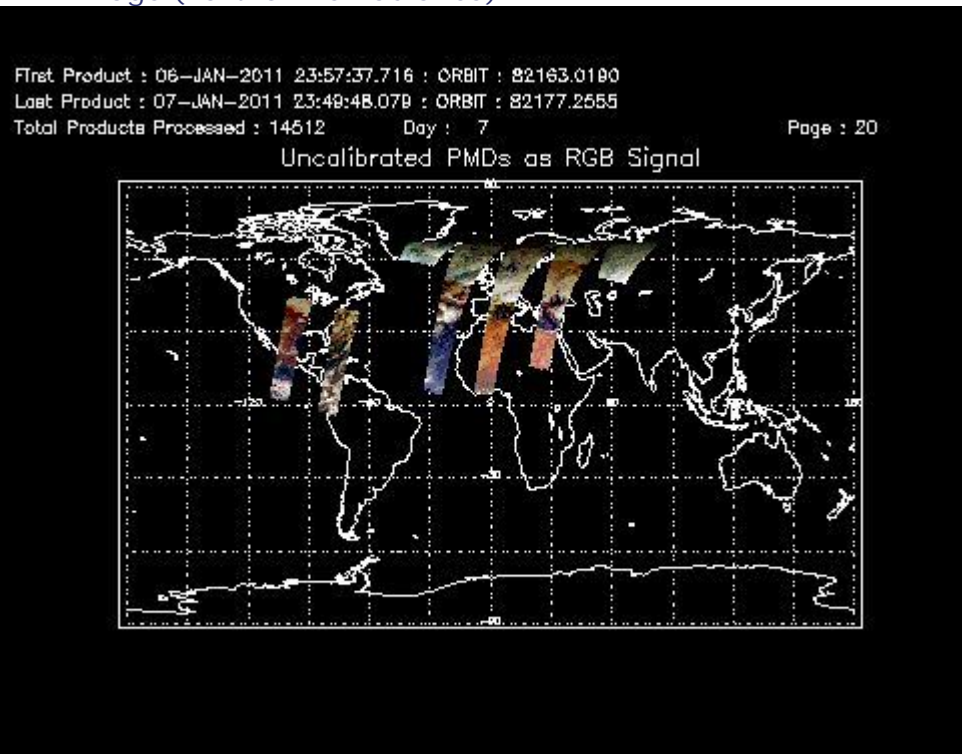
First Product : 06-JAN-2011 23:57:37.716 : ORBIT : 82163.0190
 Last Product : 07-JAN-2011 23:49:48.079 : ORBIT : 82177.2555
 Total Products Processed : 14612 Day : 7

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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)
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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
--	--	--	--	--

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
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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