

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-JAN-2011
Start Time of First Product	23:54:41
Stop Time of Last Product	23:47:00
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110123CMEP3405.E2	23-JAN-2011	03:14:58.810
EGOI_110123CMEP3415.E2	23-JAN-2011	04:56:59.440
EGOI_110123CMEP3423.E2	23-JAN-2011	15:38:40.904
EGOI_110123CMEP3431.E2	23-JAN-2011	17:17:49.020
EGOI_110123GSEP4170.E2	23-JAN-2011	01:41:53.738
EGOI_110123GSEP4202.E2	23-JAN-2011	03:20:22.849
EGOI_110123GSEP4211.E2	23-JAN-2011	05:03:26.487
EGOI_110123KSEP7392.E2	23-JAN-2011	07:01:51.211
EGOI_110123KSEP7410.E2	23-JAN-2011	08:41:54.835

EGOI_110123KSEP7430.E2	23-JAN-2011	10:21:34.446
EGOI_110123KSEP7459.E2	23-JAN-2011	12:01:03.566
EGOI_110123KSEP7475.E2	23-JAN-2011	13:40:02.674
EGOI_110123KSEP7484.E2	23-JAN-2011	15:18:36.287
EGOI_110123KSEP7497.E2	23-JAN-2011	16:56:00.887
EGOI_110123KSEP7526.E2	23-JAN-2011	18:34:02.991
EGOI_110123KSEP7557.E2	23-JAN-2011	20:12:51.603
EGOI_110123KSEP7585.E2	23-JAN-2011	21:54:11.727
EGOI_110123KSEP7609.E2	23-JAN-2011	23:38:24.374
EGOI_110123MAEP2094.E2	23-JAN-2011	08:49:29.377
EGOI_110123MAEP2109.E2	23-JAN-2011	10:28:35.984
EGOI_110123MAEP2131.E2	23-JAN-2011	20:06:32.052
EGOI_110123MIEP1003.E2	23-JAN-2011	01:42:41.742
EGOI_110123MIEP1018.E2	23-JAN-2011	03:25:54.384
EGOI_110123MIEP1039.E2	23-JAN-2011	04:57:51.948
EGOI_110123MIEP1057.E2	23-JAN-2011	15:43:22.936
EGOI_110123MIEP1080.E2	23-JAN-2011	17:18:53.525
EGOI_110123MSEP4556.E2	22-JAN-2011	23:54:41.075
EGOI_110123MSEP4582.E2	23-JAN-2011	10:35:48.038
EGOI_110123MSEP4608.E2	23-JAN-2011	12:14:14.141
EGOI_110123MSEP4635.E2	23-JAN-2011	21:45:53.676
EGOI_110123MSEP4667.E2	23-JAN-2011	23:22:58.772
EGOI_110123SGEP0936.E2	23-JAN-2011	02:24:05.997
EGOI_110123SGEP0943.E2	23-JAN-2011	04:06:54.631
EGOI_110123SGEP0949.E2	23-JAN-2011	14:55:48.142
EGOI_110123SGEP0956.E2	23-JAN-2011	16:34:24.750

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82396	23-JAN-2011	06:59:56.240	07:01:51.211	114.97100
KS	82397	23-JAN-2011	08:39:22.485	08:41:54.834	152.34900
KS	82398	23-JAN-2011	10:19:00.106	10:21:34.445	154.33900
KS	82399	23-JAN-2011	11:58:27.689	12:01:03.566	155.87700
KS	82400	23-JAN-2011	13:37:27.035	13:40:02.673	155.63800
KS	82401	23-JAN-2011	15:15:45.519	15:18:36.286	170.76700
KS	82402	23-JAN-2011	16:53:24.458	16:56:00.886	156.42800
KS	82403	23-JAN-2011	18:31:27.763	18:34:02.990	155.22700
KS	82404	23-JAN-2011	20:10:45.836	20:12:51.603	125.76700
KS	82405	23-JAN-2011	21:51:58.869	21:54:11.727	132.85800
KS	82406	23-JAN-2011	23:35:56.767	23:38:24.374	147.60700
GS	82393	23-JAN-2011	01:40:05.196	01:41:53.737	108.54100

GS	82394	23-JAN-2011	03:18:25.735	03:20:22.848	117.11300
MS	82392	22-JAN-2011	23:52:23.175	23:54:41.075	137.90000
MS	82398	23-JAN-2011	10:33:07.044	10:35:48.038	160.99400
MS	82399	23-JAN-2011	12:11:30.018	12:14:14.140	164.12200
MS	82406	23-JAN-2011	23:20:37.435	23:22:58.772	141.33700
MI	82394	23-JAN-2011	03:13:29.456	03:25:54.384	744.92800
MI	82395	23-JAN-2011	04:55:32.517	04:57:51.948	139.43100
MI	82401	23-JAN-2011	15:33:42.905	15:43:22.936	580.03100
MI	82402	23-JAN-2011	17:14:05.274	17:18:53.525	288.25100
SG	82393	23-JAN-2011	02:18:02.263	02:24:05.997	363.73400
SG	82394	23-JAN-2011	03:55:28.580	04:06:54.630	686.05000
SG	82400	23-JAN-2011	14:51:13.875	14:55:48.141	274.26600
SG	82401	23-JAN-2011	16:31:25.165	16:34:24.750	179.58500
CM	82394	23-JAN-2011	03:13:31.520	03:14:58.810	87.290000
CM	82401	23-JAN-2011	15:37:12.912	15:38:40.904	87.992000
CM	82402	23-JAN-2011	17:16:18.726	17:17:49.019	90.293000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82392	23-JAN-2011	00:46:36.606	01:00:36.380	839.77400
MM	82392	23-JAN-2011	00:58:26.437	01:08:58.401	631.96400
KS	82392	23-JAN-2011	00:09:39.764	00:14:06.321	266.55700
BE	82393	23-JAN-2011	02:05:22.707	02:17:27.974	725.26700
MM	82393	23-JAN-2011	02:41:03.674	02:49:22.450	498.77600
BE	82394	23-JAN-2011	03:44:30.010	03:57:14.135	764.12500
MM	82394	23-JAN-2011	04:24:08.953	04:30:20.076	371.12300
MM	82395	23-JAN-2011	06:06:26.114	06:12:31.249	365.13500
MM	82396	23-JAN-2011	07:47:27.634	07:55:35.916	488.28200
JO	82396	23-JAN-2011	07:25:23.459	07:39:11.748	828.28900
MM	82397	23-JAN-2011	09:27:52.988	09:38:16.601	623.61300
MA	82397	23-JAN-2011	08:47:50.091	09:00:12.841	742.75000
JO	82397	23-JAN-2011	09:04:35.005	09:18:25.466	830.46100
HO	82398	23-JAN-2011	11:18:38.843	11:28:55.495	616.65200
MM	82398	23-JAN-2011	11:08:01.517	11:19:57.218	715.70100
MA	82398	23-JAN-2011	10:27:01.877	10:39:07.108	725.23100

HO	82399	23-JAN-2011	12:56:33.150	13:11:22.587	889.43700
MM	82399	23-JAN-2011	12:47:56.612	13:00:34.212	757.60000
HO	82400	23-JAN-2011	14:36:49.155	14:48:20.783	691.62800
MM	82400	23-JAN-2011	14:27:37.011	14:40:19.976	762.96500
SG	82400	23-JAN-2011	14:51:13.875	15:04:18.531	784.65600
BE	82401	23-JAN-2011	15:01:41.928	15:13:56.695	734.76700
MM	82401	23-JAN-2011	16:07:01.105	16:19:35.516	754.41100
GS	82401	23-JAN-2011	15:27:43.662	15:41:23.724	820.06200
MM	82402	23-JAN-2011	17:46:11.744	17:58:43.917	752.17300
GS	82402	23-JAN-2011	17:07:26.118	17:19:54.855	748.73700
MM	82403	23-JAN-2011	19:25:21.696	19:38:01.818	760.12200
JO	82403	23-JAN-2011	19:45:27.844	19:58:33.731	785.88700
MM	82404	23-JAN-2011	21:04:52.872	21:17:35.792	762.92000
MA	82404	23-JAN-2011	20:03:38.756	20:17:06.453	807.69700
JO	82404	23-JAN-2011	21:24:11.636	21:38:31.368	859.73200
HO	82405	23-JAN-2011	22:37:02.667	22:49:42.879	760.21200
MM	82405	23-JAN-2011	22:45:08.039	22:57:25.452	737.41300
MA	82405	23-JAN-2011	21:43:49.480	21:56:01.371	731.89100

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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

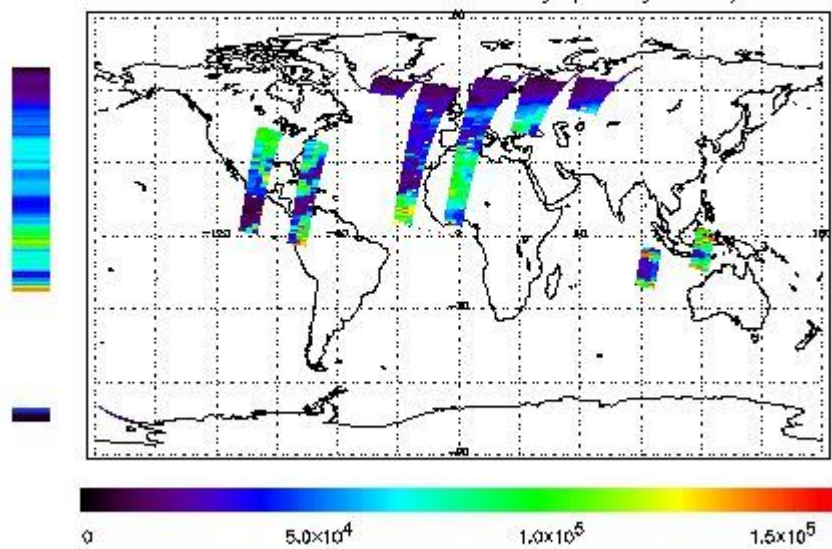
2.2 - Daily Plots

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

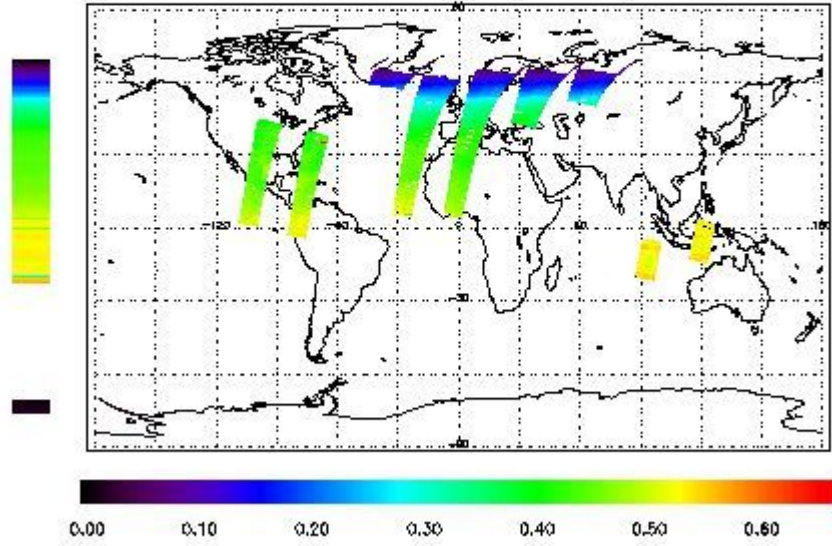
First Product : 22-JAN-2011 23:54:41.075 : ORBIT : 82392.0183
 Last Product : 23-JAN-2011 23:47:00.421 : ORBIT : 82406.2563
 Total Products Processed : 14011 Day : 23 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

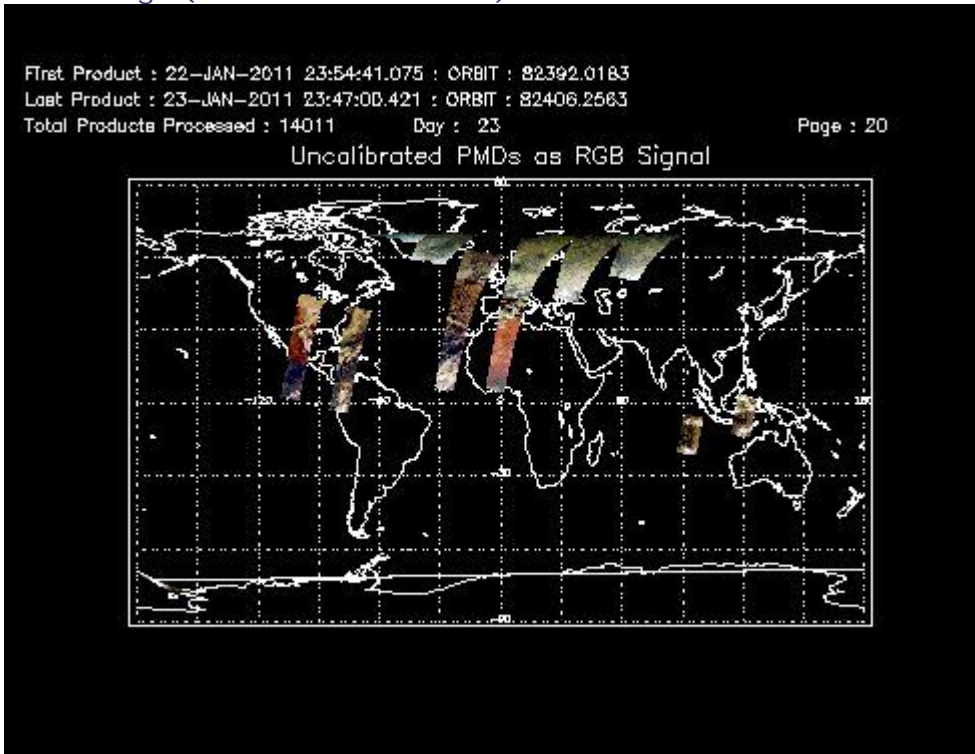


Ozone Line Ratio

First Product : 22-JAN-2011 23:54:41.075 : ORBIT : 82392.0183
 Last Product : 23-JAN-2011 23:47:00.421 : ORBIT : 82406.2563
 Total Products Processed : 14011 Day : 23 Page : 20
 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	12:06:38.093	--	82399	Yes	--	15379

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
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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