

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-JAN-2009
Start Time of First Product	23:57:21 (21-Jan)
Stop Time of Last Product	23:49:33
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100122BEEP1734.E2	22-JAN-2010	03:49:47.914
EGOI_100122GSEP7931.E2	22-JAN-2010	01:44:26.142
EGOI_100122GSEP7961.E2	22-JAN-2010	03:23:26.753
EGOI_100122GSEP7971.E2	22-JAN-2010	05:06:03.388
EGOI_100122KSEP8042.E2	22-JAN-2010	07:04:31.116
EGOI_100122KSEP8063.E2	22-JAN-2010	08:44:30.232
EGOI_100122KSEP8093.E2	22-JAN-2010	10:24:09.848
EGOI_100122KSEP8119.E2	22-JAN-2010	12:03:40.468
EGOI_100122KSEP8134.E2	22-JAN-2010	13:42:36.580

EGOI_100122KSEP8162.E2	22-JAN-2010	15:21:11.684
EGOI_100122KSEP8195.E2	22-JAN-2010	16:58:37.784
EGOI_100122KSEP8230.E2	22-JAN-2010	18:36:35.389
EGOI_100122KSEP8259.E2	22-JAN-2010	20:15:27.001
EGOI_100122KSEP8289.E2	22-JAN-2010	21:56:42.629
EGOI_100122KSEP8314.E2	22-JAN-2010	23:40:34.268
EGOI_100122MAEP8094.E2	22-JAN-2010	08:51:55.783
EGOI_100122MAEP8106.E2	22-JAN-2010	10:31:35.395
EGOI_100122MAEP8125.E2	22-JAN-2010	20:08:49.458
EGOI_100122MIEP1005.E2	22-JAN-2010	01:44:38.142
EGOI_100122MIEP1025.E2	22-JAN-2010	03:18:29.726
EGOI_100122MIEP1047.E2	22-JAN-2010	05:00:40.849
EGOI_100122MIEP1072.E2	22-JAN-2010	15:38:41.794
EGOI_100122MIEP1100.E2	22-JAN-2010	17:19:13.910
EGOI_100122MSEP2285.E2	21-JAN-2010	23:57:20.981
EGOI_100122MSEP2303.E2	22-JAN-2010	10:38:17.434
EGOI_100122MSEP2332.E2	22-JAN-2010	12:16:48.047
EGOI_100122MSEP2359.E2	22-JAN-2010	21:48:03.574
EGOI_100122MSEP2392.E2	22-JAN-2010	23:25:34.178
EGOI_100122SGEP3122.E2	22-JAN-2010	02:22:35.374
EGOI_100122SGEP3129.E2	22-JAN-2010	04:00:31.481
EGOI_100122SGEP3137.E2	22-JAN-2010	14:56:55.036
EGOI_100122SGEP3142.E2	22-JAN-2010	16:36:51.151

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77157	22-JAN-2010	07:02:46.139	07:04:31.115	104.97600
KS	77158	22-JAN-2010	08:42:13.254	08:44:30.232	136.97800
KS	77159	22-JAN-2010	10:21:50.825	10:24:09.848	139.02300
KS	77160	22-JAN-2010	12:01:17.869	12:03:40.467	142.59800
KS	77161	22-JAN-2010	13:40:16.118	13:42:36.580	140.46200
KS	77162	22-JAN-2010	15:18:30.489	15:21:11.684	161.19500
KS	77163	22-JAN-2010	16:56:11.973	16:58:37.784	145.81100
KS	77164	22-JAN-2010	18:34:16.738	18:36:35.388	138.65000
KS	77165	22-JAN-2010	20:13:37.578	20:15:27.000	109.42200
KS	77166	22-JAN-2010	21:54:54.465	21:56:42.629	108.16400
KS	77167	22-JAN-2010	23:38:58.615	23:40:34.268	95.653000
GS	77154	22-JAN-2010	01:42:50.095	01:44:26.142	96.047000
GS	77155	22-JAN-2010	03:21:18.244	03:23:26.753	128.50900
MS	77153	21-JAN-2010	23:55:18.549	23:57:20.981	122.43200

MS	77159	22-JAN-2010	10:35:51.966	10:38:17.434	145.46800
MS	77160	22-JAN-2010	12:14:24.034	12:16:48.047	144.01300
MS	77167	22-JAN-2010	23:23:29.059	23:25:34.178	125.11900
MA	77159	22-JAN-2010	10:29:51.977	10:31:35.395	103.41800
MA	77165	22-JAN-2010	20:06:25.509	20:08:49.457	143.94800
MI	77154	22-JAN-2010	01:43:03.305	01:44:38.142	94.837000
MI	77162	22-JAN-2010	15:36:31.191	15:38:41.794	130.60300
MI	77163	22-JAN-2010	17:17:02.504	17:19:13.910	131.40600
BE	77155	22-JAN-2010	03:47:22.062	03:49:47.913	145.85100
SG	77154	22-JAN-2010	02:20:41.208	02:22:35.374	114.16600
SG	77155	22-JAN-2010	03:58:21.751	04:00:31.481	129.73000
SG	77161	22-JAN-2010	14:53:59.840	14:56:55.035	175.19500
SG	77162	22-JAN-2010	16:34:24.469	16:36:51.150	146.68100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77153	22-JAN-2010	00:49:31.322	01:03:24.489	833.16700
MM	77153	22-JAN-2010	01:01:21.567	01:11:50.253	628.68600
KS	77153	22-JAN-2010	00:12:47.623	00:16:50.239	242.61600
BE	77154	22-JAN-2010	02:08:10.115	02:20:23.841	733.72600
MM	77154	22-JAN-2010	02:44:00.277	02:52:14.914	494.63700
MM	77155	22-JAN-2010	04:27:05.370	04:33:14.042	368.67200
CM	77155	22-JAN-2010	03:16:14.249	03:26:58.913	644.66400
CM	77155	22-JAN-2010	04:55:25.938	05:06:06.084	640.14600
MM	77156	22-JAN-2010	06:09:20.182	06:15:27.599	367.41700
MM	77157	22-JAN-2010	07:50:20.133	07:58:32.552	492.41900
JO	77157	22-JAN-2010	07:28:08.445	07:42:04.944	836.49900
MM	77158	22-JAN-2010	09:30:44.854	09:41:11.806	626.95200
JO	77158	22-JAN-2010	09:07:30.632	09:21:11.852	821.22000
HO	77159	22-JAN-2010	11:21:21.068	11:31:59.542	638.47400
MM	77159	22-JAN-2010	11:10:52.991	11:22:50.554	717.56300
HO	77160	22-JAN-2010	12:59:23.288	13:14:12.702	889.41400
MM	77160	22-JAN-2010	12:50:47.692	13:03:25.857	758.16500
HO	77161	22-JAN-2010	14:39:42.819	14:50:47.518	664.69900
MM	77161	22-JAN-2010	14:30:27.643	14:43:10.440	762.79700

BE	77162	22-JAN-2010	15:04:37.741	15:16:44.136	726.39500
MM	77162	22-JAN-2010	16:09:51.275	16:22:25.465	754.19000
GS	77162	22-JAN-2010	15:30:33.224	15:44:16.326	823.10200
CM	77162	22-JAN-2010	15:39:57.084	15:50:48.561	651.47700
MM	77163	22-JAN-2010	17:49:01.664	18:01:33.957	752.29300
GS	77163	22-JAN-2010	17:10:18.414	17:22:39.845	741.43100
CM	77163	22-JAN-2010	17:19:14.230	17:29:47.653	633.42300
MM	77164	22-JAN-2010	19:28:11.890	19:40:52.269	760.37900
JO	77164	22-JAN-2010	19:48:13.192	20:01:30.712	797.52000
MM	77165	22-JAN-2010	21:07:44.025	21:20:26.716	762.69100
JO	77165	22-JAN-2010	21:27:04.190	21:41:17.419	853.22900
HO	77166	22-JAN-2010	22:39:46.746	22:52:34.710	767.96400
MM	77166	22-JAN-2010	22:48:00.730	23:00:16.792	736.06200
MA	77166	22-JAN-2010	21:47:01.222	21:58:48.510	707.28800

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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

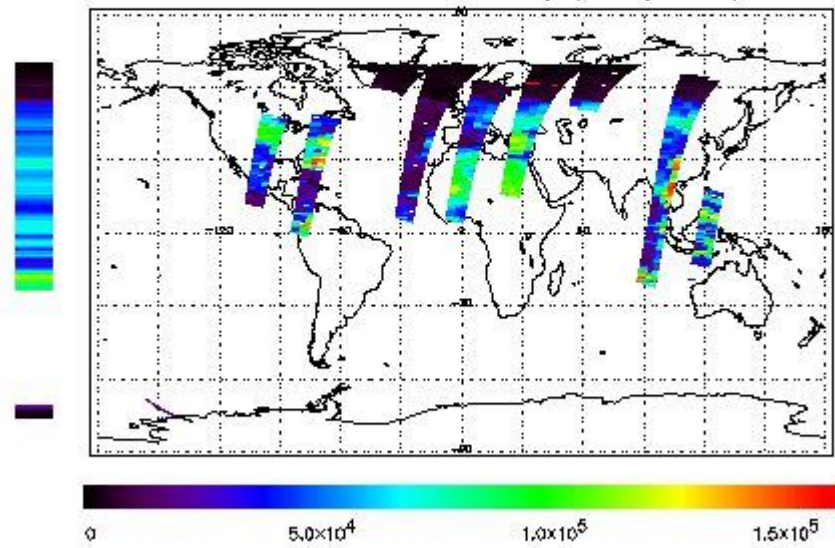
2.2 - Daily Plots

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 : 21-JAN-2010 23:57:20.981 : ORBIT : 77153.0162
 Last Product : 22-JAN-2010 23:49:32.818 : ORBIT : 77167.2530
 Total Products Processed : 15719 Day : 22 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

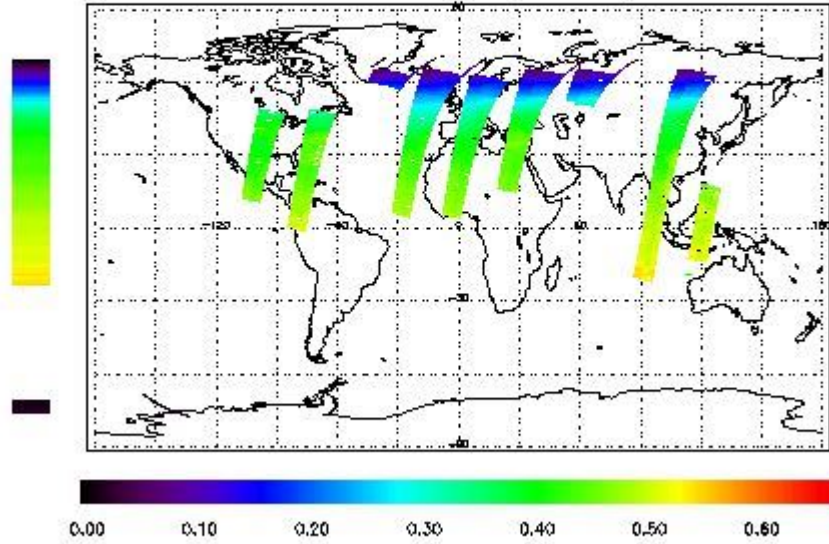


Ozone Line Ratio

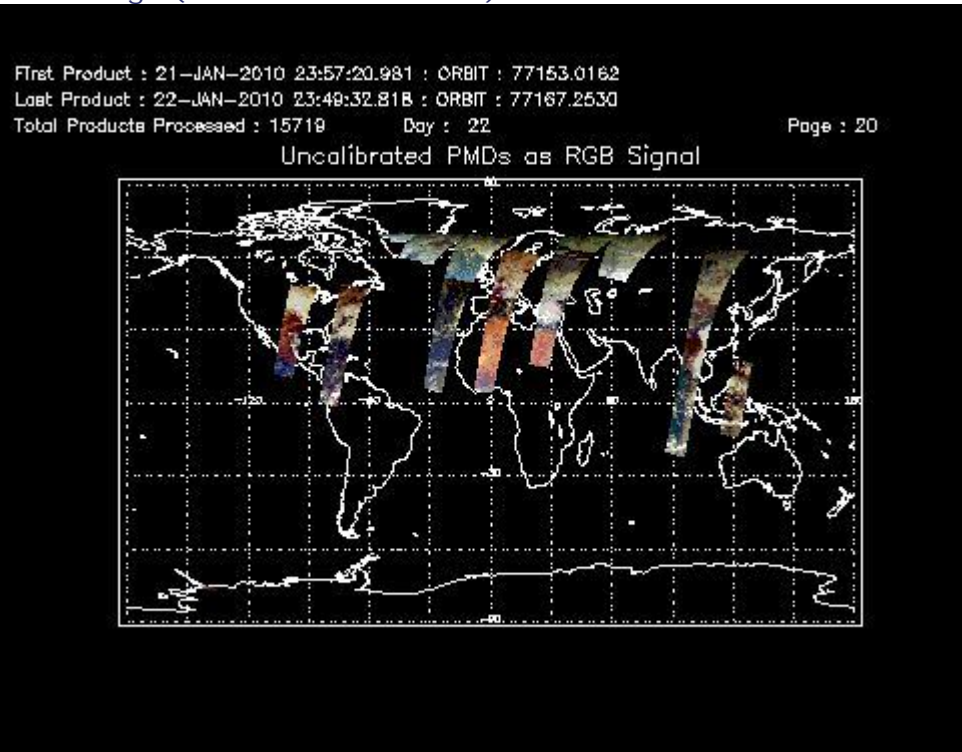
First Product : 21-JAN-2010 23:57:20.981 : ORBIT : 77153.0162
 Last Product : 22-JAN-2010 23:49:32.818 : ORBIT : 77167.2530
 Total Products Processed : 15719 Day : 22

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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	10:28:42.875	--	77159	Yes	--	15726

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