

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-FEB-2010
Start Time of First Product	23:42:46 (31-Jan)
Stop Time of Last Product	23:35:19
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_100201BEEP1791.E2	01-FEB-2010	01:56:39.146
EGOI_100201BEEP1799.E2	01-FEB-2010	03:35:30.753
EGOI_100201CMEP6457.E2	01-FEB-2010	15:27:41.140
EGOI_100201CMEP6463.E2	01-FEB-2010	17:06:07.240
EGOI_100201GSEP8686.E2	01-FEB-2010	01:30:49.489
EGOI_100201GSEP8717.E2	01-FEB-2010	03:08:36.593
EGOI_100201GSEP8725.E2	01-FEB-2010	04:51:38.727
EGOI_100201KSEP0654.E2	31-JAN-2010	23:58:48.929
EGOI_100201KSEP0667.E2	01-FEB-2010	06:50:15.459

EGOI_100201KSEP0684.E2	01-FEB-2010	08:30:13.067
EGOI_100201KSEP0701.E2	01-FEB-2010	10:09:55.682
EGOI_100201KSEP0734.E2	01-FEB-2010	11:49:23.295
EGOI_100201KSEP0756.E2	01-FEB-2010	13:28:23.902
EGOI_100201KSEP0778.E2	01-FEB-2010	15:07:06.511
EGOI_100201KSEP0798.E2	01-FEB-2010	16:44:35.611
EGOI_100201KSEP0831.E2	01-FEB-2010	18:22:33.211
EGOI_100201KSEP0864.E2	01-FEB-2010	20:01:14.323
EGOI_100201KSEP0897.E2	01-FEB-2010	21:42:08.943
EGOI_100201KSEP0917.E2	01-FEB-2010	23:25:23.074
EGOI_100201MAEP8417.E2	01-FEB-2010	08:38:07.118
EGOI_100201MAEP8431.E2	01-FEB-2010	10:17:18.229
EGOI_100201MIEP1970.E2	01-FEB-2010	03:04:24.569
EGOI_100201MIEP1994.E2	01-FEB-2010	04:45:19.188
EGOI_100201MIEP2020.E2	01-FEB-2010	15:24:39.621
EGOI_100201MMEP3082.E2	01-FEB-2010	12:37:50.589
EGOI_100201MSEP3417.E2	31-JAN-2010	23:42:45.827
EGOI_100201MSEP3441.E2	01-FEB-2010	10:24:31.772
EGOI_100201MSEP3470.E2	01-FEB-2010	12:02:21.873
EGOI_100201MSEP3483.E2	01-FEB-2010	13:45:03.010
EGOI_100201MSEP3506.E2	01-FEB-2010	21:34:53.896
EGOI_100201MSEP3538.E2	01-FEB-2010	23:11:18.488
EGOI_100201SGEP3345.E2	01-FEB-2010	02:11:39.240
EGOI_100201SGEP3351.E2	01-FEB-2010	03:53:14.367
EGOI_100201SGEP3358.E2	01-FEB-2010	14:44:13.870
EGOI_100201SGEP3363.E2	01-FEB-2010	16:21:59.470

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77296	31-JAN-2010	23:57:17.099	23:58:48.928	91.829000
KS	77300	01-FEB-2010	06:48:37.305	06:50:15.459	98.154000
KS	77301	01-FEB-2010	08:27:59.478	08:30:13.067	133.58900
KS	77302	01-FEB-2010	10:07:37.142	10:09:55.681	138.53900
KS	77303	01-FEB-2010	11:47:06.733	11:49:23.295	136.56200
KS	77304	01-FEB-2010	13:26:10.316	13:28:23.902	133.58600
KS	77305	01-FEB-2010	15:04:40.377	15:07:06.511	146.13400
KS	77306	01-FEB-2010	16:42:16.752	16:44:35.611	138.85900
KS	77307	01-FEB-2010	18:20:12.468	18:22:33.210	140.74200
KS	77308	01-FEB-2010	19:59:19.787	20:01:14.323	114.53600
KS	77309	01-FEB-2010	21:40:17.747	21:42:08.942	111.19500
KS	77310	01-FEB-2010	23:23:52.105	23:25:23.074	90.969000

GS	77297	01-FEB-2010	01:29:07.977	01:30:49.488	101.51100
GS	77298	01-FEB-2010	03:06:58.008	03:08:36.592	98.584000
MS	77302	01-FEB-2010	10:22:09.935	10:24:31.772	141.83700
MS	77303	01-FEB-2010	12:00:02.600	12:02:21.872	139.27200
MS	77310	01-FEB-2010	23:09:13.939	23:11:18.487	124.54800
MA	77301	01-FEB-2010	08:36:49.282	08:38:07.117	77.835000
MA	77302	01-FEB-2010	10:15:42.576	10:17:18.228	95.652000
MI	77298	01-FEB-2010	03:02:18.190	03:04:24.569	126.37900
MI	77299	01-FEB-2010	04:43:19.247	04:45:19.188	119.94100
MI	77305	01-FEB-2010	15:22:32.309	15:24:39.620	127.31100
MM	77303	01-FEB-2010	12:36:32.165	12:37:50.588	78.423000
BE	77297	01-FEB-2010	01:54:15.452	01:56:39.146	143.69400
BE	77298	01-FEB-2010	03:33:02.941	03:35:30.752	147.81100
SG	77297	01-FEB-2010	02:07:37.320	02:11:39.239	241.91900
SG	77298	01-FEB-2010	03:43:59.165	03:53:14.366	555.20100
SG	77304	01-FEB-2010	14:40:14.107	14:44:13.869	239.76200
SG	77305	01-FEB-2010	16:19:34.253	16:21:59.470	145.21700
CM	77305	01-FEB-2010	15:26:21.969	15:27:41.140	79.171000
CM	77306	01-FEB-2010	17:04:40.588	17:06:07.239	86.651000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77296	01-FEB-2010	00:34:57.871	00:49:22.125	864.25400
MM	77296	01-FEB-2010	00:46:46.428	00:57:31.111	644.68300
MM	77297	01-FEB-2010	02:29:17.534	02:37:52.828	515.29400
MM	77298	01-FEB-2010	04:12:22.874	04:18:44.838	381.96400
CM	77298	01-FEB-2010	03:02:46.602	03:12:16.325	569.72300
CM	77298	01-FEB-2010	04:40:45.969	04:52:20.369	694.40000
MM	77299	01-FEB-2010	05:54:49.148	06:00:46.353	357.20500
MM	77300	01-FEB-2010	07:35:57.358	07:43:49.140	471.78200
JO	77300	01-FEB-2010	07:14:27.025	07:27:36.795	789.77000
MM	77301	01-FEB-2010	09:16:25.384	09:26:35.263	609.87900
JO	77301	01-FEB-2010	08:52:56.150	09:07:17.219	861.06900
MM	77302	01-FEB-2010	10:56:35.503	11:08:23.338	707.83500
HO	77304	01-FEB-2010	14:25:15.846	14:37:34.584	738.73800

MM	77304	01-FEB-2010	14:16:14.343	14:28:57.861	763.51800
SG	77304	01-FEB-2010	14:40:14.107	14:52:39.947	745.84000
BE	77305	01-FEB-2010	14:50:02.058	15:02:44.922	762.86400
MM	77305	01-FEB-2010	15:55:40.302	16:08:15.653	755.35100
GS	77305	01-FEB-2010	15:16:26.449	15:29:50.876	804.42700
MM	77306	01-FEB-2010	17:34:52.041	17:47:23.836	751.79500
MI	77306	01-FEB-2010	17:02:20.785	17:13:29.614	668.82900
GS	77306	01-FEB-2010	16:55:57.759	17:08:52.618	774.85900
MM	77307	01-FEB-2010	19:14:01.083	19:26:40.144	759.06100
JO	77307	01-FEB-2010	19:34:30.296	19:46:40.984	730.68800
MM	77308	01-FEB-2010	20:53:28.612	21:06:12.217	763.60500
MA	77308	01-FEB-2010	19:52:34.105	20:05:33.335	779.23000
JO	77308	01-FEB-2010	21:12:43.222	21:27:24.102	880.88000
HO	77309	01-FEB-2010	22:26:09.190	22:38:14.780	725.59000
MM	77309	01-FEB-2010	22:33:37.766	22:46:00.197	742.43100
MA	77309	01-FEB-2010	21:31:52.263	21:44:50.583	778.32000

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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

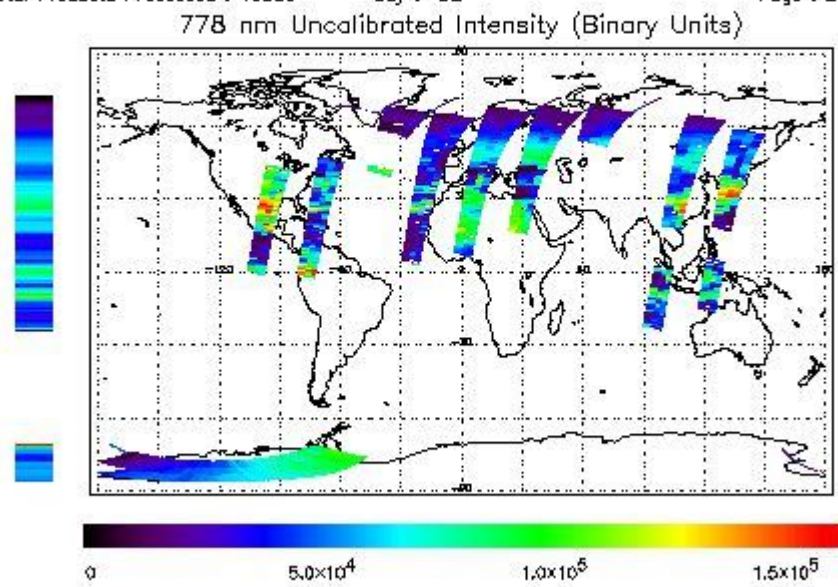
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 : 31-JAN-2010 23:42:45.827 : ORBIT : 77296.0141
 Last Product : 01-FEB-2010 23:35:18.836 : ORBIT : 77310.2543
 Total Products Processed : 16353 Day : 32 Page : 21

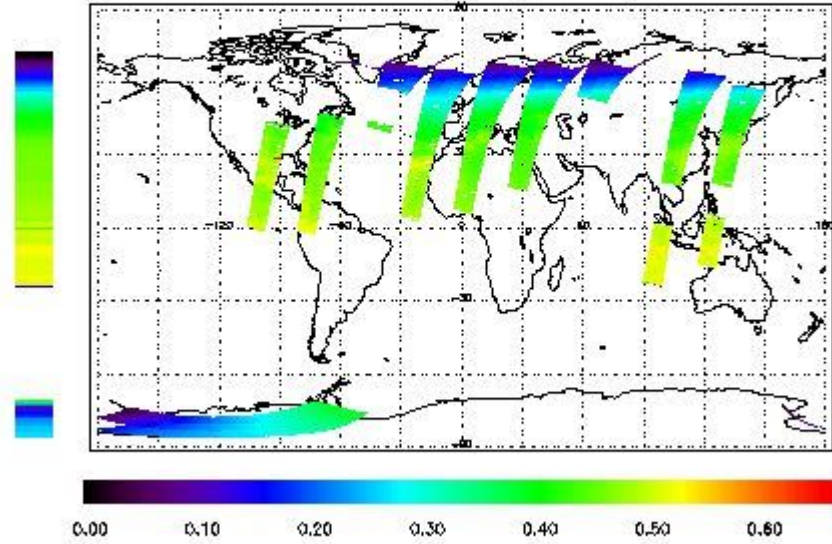


Ozone Line Ratio

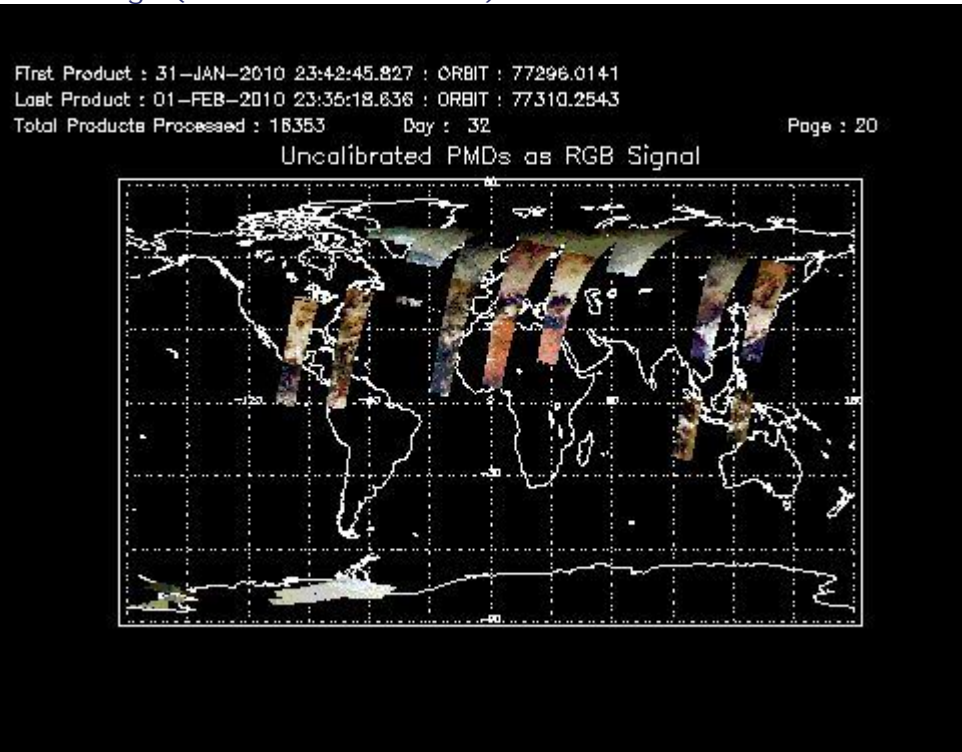
First Product : 31-JAN-2010 23:42:45.827 : ORBIT : 77296.0141
 Last Product : 01-FEB-2010 23:36:18.636 : ORBIT : 77310.2543
 Total Products Processed : 18353 Day : 32

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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	11:53:59.322	--	77303	Yes	--	15700

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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(1)

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