

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-FEB-2010
Start Time of First Product	00:00:11
Stop Time of Last Product	23:52:15
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100210GSEP9324.E2	10-FEB-2010	01:47:04.109
EGOI_100210GSEP9356.E2	10-FEB-2010	03:25:45.212
EGOI_100210GSEP9366.E2	10-FEB-2010	05:08:39.849
EGOI_100210KSEP3092.E2	10-FEB-2010	07:07:13.578
EGOI_100210KSEP3111.E2	10-FEB-2010	08:47:14.195
EGOI_100210KSEP3141.E2	10-FEB-2010	10:26:53.801
EGOI_100210KSEP3175.E2	10-FEB-2010	12:06:19.909
EGOI_100210KSEP3194.E2	10-FEB-2010	13:45:19.021
EGOI_100210KSEP3210.E2	10-FEB-2010	15:23:51.125

EGOI_100210KSEP3241.E2	10-FEB-2010	17:01:17.225
EGOI_100210KSEP3276.E2	10-FEB-2010	18:39:16.329
EGOI_100210KSEP3305.E2	10-FEB-2010	20:18:12.437
EGOI_100210KSEP3331.E2	10-FEB-2010	21:59:35.561
EGOI_100210KSEP3356.E2	10-FEB-2010	23:43:30.205
EGOI_100210MAEP8755.E2	10-FEB-2010	08:54:38.238
EGOI_100210MAEP8773.E2	10-FEB-2010	10:34:23.848
EGOI_100210MAEP8793.E2	10-FEB-2010	20:11:28.898
EGOI_100210MAEP8815.E2	10-FEB-2010	21:51:32.514
EGOI_100210MIEP2841.E2	10-FEB-2010	01:46:53.609
EGOI_100210MIEP2869.E2	10-FEB-2010	03:21:12.185
EGOI_100210MIEP2891.E2	10-FEB-2010	05:03:42.815
EGOI_100210MIEP2918.E2	10-FEB-2010	15:41:25.736
EGOI_100210MIEP2946.E2	10-FEB-2010	17:22:00.850
EGOI_100210MMEP3548.E2	10-FEB-2010	02:47:49.481
EGOI_100210MMEP3555.E2	10-FEB-2010	04:30:32.108
EGOI_100210MMEP3564.E2	10-FEB-2010	06:12:46.242
EGOI_100210MMEP3578.E2	10-FEB-2010	17:54:17.551
EGOI_100210MMEP3587.E2	10-FEB-2010	21:12:15.770
EGOI_100210MSEP4424.E2	10-FEB-2010	00:00:10.954
EGOI_100210MSEP4449.E2	10-FEB-2010	10:40:56.884
EGOI_100210MSEP4477.E2	10-FEB-2010	12:19:36.495
EGOI_100210MSEP4500.E2	10-FEB-2010	21:50:49.010
EGOI_100210MSEP4531.E2	10-FEB-2010	23:28:27.111

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77429	10-FEB-2010	07:05:36.098	07:07:13.578	97.480000
KS	77430	10-FEB-2010	08:45:04.030	08:47:14.195	130.16500
KS	77431	10-FEB-2010	10:24:41.538	10:26:53.800	132.26200
KS	77432	10-FEB-2010	12:04:08.029	12:06:19.909	131.88000
KS	77433	10-FEB-2010	13:43:05.163	13:45:19.020	133.85700
KS	77434	10-FEB-2010	15:21:17.210	15:23:51.125	153.91500
KS	77435	10-FEB-2010	16:58:59.509	17:01:17.225	137.71600
KS	77436	10-FEB-2010	18:37:05.778	18:39:16.328	130.55000
KS	77437	10-FEB-2010	20:16:29.416	20:18:12.436	103.02000
KS	77438	10-FEB-2010	21:57:50.193	21:59:35.561	105.36800
KS	77439	10-FEB-2010	23:42:00.775	23:43:30.204	89.429000
GS	77426	10-FEB-2010	01:45:35.225	01:47:04.108	88.883000
GS	77427	10-FEB-2010	03:24:10.992	03:25:45.212	94.220000

MS	77425	09-FEB-2010	23:58:14.332	00:00:10.954	116.62200
MS	77431	10-FEB-2010	10:38:37.293	10:40:56.883	139.59000
MS	77432	10-FEB-2010	12:17:16.659	12:19:36.495	139.83600
MS	77438	10-FEB-2010	21:49:11.632	21:50:49.009	97.377000
MS	77439	10-FEB-2010	23:26:20.992	23:28:27.111	126.11900
MA	77431	10-FEB-2010	10:32:42.186	10:34:23.847	101.66100
MA	77437	10-FEB-2010	20:09:12.496	20:11:28.897	136.40100
MA	77438	10-FEB-2010	21:49:57.482	21:51:32.513	95.031000
MI	77426	10-FEB-2010	01:45:14.920	01:46:53.608	98.688000
MI	77427	10-FEB-2010	03:19:06.986	03:21:12.185	125.19900
MI	77428	10-FEB-2010	05:01:47.049	05:03:42.815	115.76600
MI	77434	10-FEB-2010	15:39:19.716	15:41:25.735	126.01900
MI	77435	10-FEB-2010	17:20:00.268	17:22:00.849	120.58100
MM	77435	10-FEB-2010	17:51:51.582	17:54:17.550	145.96800
MM	77437	10-FEB-2010	21:10:35.216	21:12:15.769	100.55300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77425	10-FEB-2010	00:52:26.335	01:06:12.444	826.10900
MM	77425	10-FEB-2010	01:04:16.752	01:14:42.120	625.36800
KS	77425	10-FEB-2010	00:15:56.864	00:19:32.904	216.04000
BE	77426	10-FEB-2010	02:10:57.738	02:23:19.357	741.61900
SG	77426	10-FEB-2010	02:23:20.996	02:34:05.789	644.79300
BE	77427	10-FEB-2010	03:50:14.234	04:02:46.705	752.47100
SG	77427	10-FEB-2010	04:01:15.268	04:14:24.140	788.87200
CM	77427	10-FEB-2010	03:18:57.506	03:29:54.055	656.54900
CM	77427	10-FEB-2010	04:58:23.556	05:08:49.796	626.24000
MM	77429	10-FEB-2010	07:53:12.606	08:01:29.163	496.55700
JO	77429	10-FEB-2010	07:30:53.767	07:44:57.938	844.17100
MM	77430	10-FEB-2010	09:33:36.709	09:44:06.962	630.25300
JO	77430	10-FEB-2010	09:10:26.653	09:23:57.944	811.29100
HO	77431	10-FEB-2010	11:24:03.948	11:35:02.760	658.81200
MM	77431	10-FEB-2010	11:13:44.457	11:25:43.837	719.38000
HO	77432	10-FEB-2010	13:02:13.508	13:17:02.597	889.08900
MM	77432	10-FEB-2010	12:53:38.762	13:06:17.463	758.70100

HO	77433	10-FEB-2010	14:42:36.689	14:53:07.055	630.36600
MM	77433	10-FEB-2010	14:33:18.262	14:46:00.880	762.61800
GS	77433	10-FEB-2010	13:56:17.564	14:03:15.776	418.21200
SG	77433	10-FEB-2010	14:56:46.182	15:10:05.588	799.40600
BE	77434	10-FEB-2010	15:07:33.917	15:19:31.355	717.43800
MM	77434	10-FEB-2010	16:12:41.433	16:25:15.411	753.97800
GS	77434	10-FEB-2010	15:33:22.884	15:47:08.693	825.80900
SG	77434	10-FEB-2010	16:37:24.528	16:47:39.548	615.02000
CM	77434	10-FEB-2010	15:42:41.746	15:53:45.109	663.36300
GS	77435	10-FEB-2010	17:13:10.800	17:25:24.601	733.80100
CM	77435	10-FEB-2010	17:22:10.175	17:32:29.889	619.71400
MM	77436	10-FEB-2010	19:31:02.104	19:43:42.735	760.63100
JO	77436	10-FEB-2010	19:50:58.880	20:04:27.261	808.38100
JO	77437	10-FEB-2010	21:29:56.935	21:44:03.155	846.22000
HO	77438	10-FEB-2010	22:42:32.184	22:55:26.469	774.28500
MM	77438	10-FEB-2010	22:50:53.472	23:03:08.144	734.67200

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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

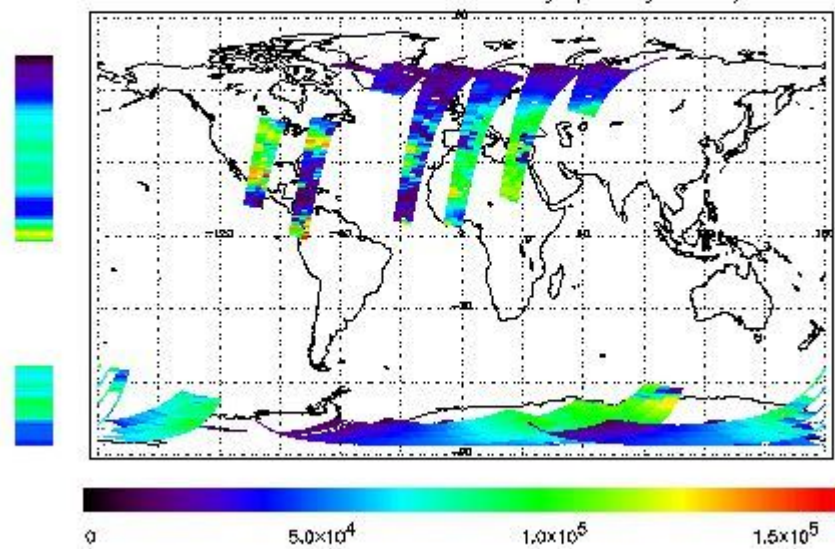
2.2 - Daily Plots

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

FRet Product : 10-FEB-2010 00:00:10.054 : ORBIT : 77425.0158
 Last Product : 10-FEB-2010 23:52:15.259 : ORBIT : 77439.2513
 Total Products Processed : 16026 Day : 41 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

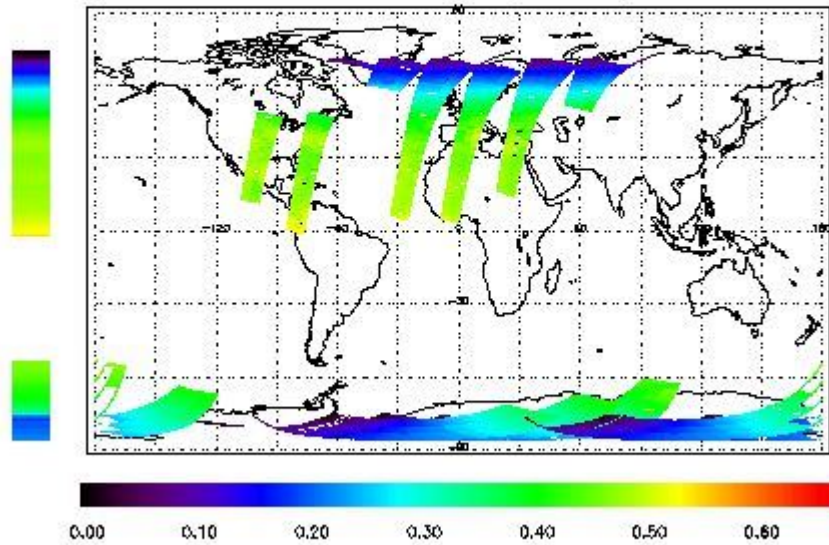


Ozone Line Ratio

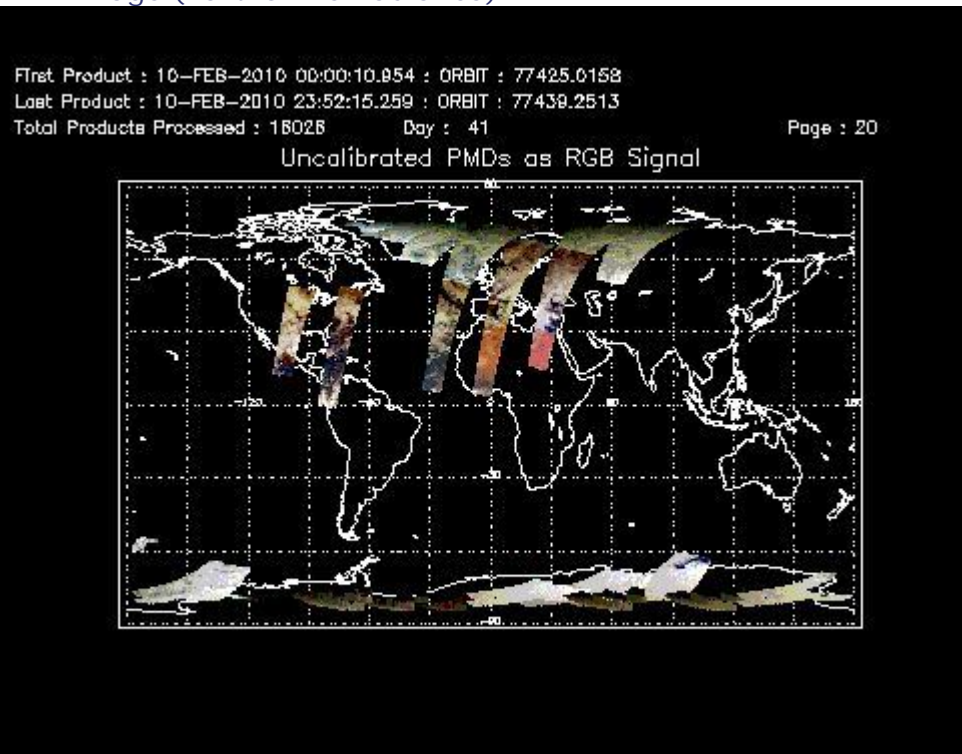
First Product : 10-FEB-2010 00:00:10.054 : ORBIT : 77425.0158
 Last Product : 10-FEB-2010 23:52:15.259 : ORBIT : 77439.2513
 Total Products Processed : 18028 Day : 41

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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	0:29:46.317	--	77431	Yes	--	15730

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
--	--	--

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
--	--	--	--	--

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