

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-OCT-2010
Start Time of First Product	00:06:21
Stop Time of Last Product	23:47:48
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101016GSEP7225.E2	16-OCT-2010	01:52:47.128
EGOI_101016GSEP7256.E2	16-OCT-2010	03:31:38.735
EGOI_101016GSEP7264.E2	16-OCT-2010	05:14:36.374
EGOI_101016KSEP2561.E2	16-OCT-2010	07:13:07.098
EGOI_101016KSEP2581.E2	16-OCT-2010	08:53:06.214
EGOI_101016KSEP2602.E2	16-OCT-2010	10:32:45.825
EGOI_101016KSEP2631.E2	16-OCT-2010	12:12:11.944
EGOI_101016KSEP2644.E2	16-OCT-2010	13:51:09.548
EGOI_101016KSEP2669.E2	16-OCT-2010	15:29:32.659

EGOI_101016KSEP2698.E2	16-OCT-2010	17:07:00.255
EGOI_101016KSEP2729.E2	16-OCT-2010	18:45:02.362
EGOI_101016KSEP2754.E2	16-OCT-2010	20:24:05.969
EGOI_101016KSEP2783.E2	16-OCT-2010	22:05:42.596
EGOI_101016MAEP8438.E2	16-OCT-2010	09:00:33.256
EGOI_101016MAEP8448.E2	16-OCT-2010	10:40:15.876
EGOI_101016MAEP8472.E2	16-OCT-2010	20:17:19.426
EGOI_101016MIEP3525.E2	16-OCT-2010	01:52:00.620
EGOI_101016MIEP3552.E2	16-OCT-2010	03:27:04.208
EGOI_101016MIEP3574.E2	16-OCT-2010	05:10:06.346
EGOI_101016MIEP3584.E2	16-OCT-2010	15:47:08.764
EGOI_101016MIEP3599.E2	16-OCT-2010	17:33:07.915
EGOI_101016MMEP6788.E2	16-OCT-2010	01:11:22.870
EGOI_101016MMEP6795.E2	16-OCT-2010	04:36:31.634
EGOI_101016MMEP6804.E2	16-OCT-2010	09:40:38.004
EGOI_101016MMEP6819.E2	16-OCT-2010	21:18:12.307
EGOI_101016MMEP6827.E2	16-OCT-2010	22:58:11.418
EGOI_101016MSEP3090.E2	16-OCT-2010	00:06:20.973
EGOI_101016MSEP3113.E2	16-OCT-2010	10:46:32.411
EGOI_101016MSEP3141.E2	16-OCT-2010	12:25:30.023
EGOI_101016MSEP3170.E2	16-OCT-2010	21:56:20.038
EGOI_101016MSEP3200.E2	16-OCT-2010	23:34:52.145

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80979	16-OCT-2010	07:11:16.175	07:13:07.097	110.92200
KS	80980	16-OCT-2010	08:50:45.601	08:53:06.214	140.61300
KS	80981	16-OCT-2010	10:30:22.938	10:32:45.825	142.88700
KS	80982	16-OCT-2010	12:09:48.277	12:12:11.943	143.66600
KS	80983	16-OCT-2010	13:48:43.192	13:51:09.548	146.35600
KS	80984	16-OCT-2010	15:26:52.612	15:29:32.658	160.04600
KS	80985	16-OCT-2010	17:04:34.642	17:07:00.255	145.61300
KS	80986	16-OCT-2010	18:42:44.052	18:45:02.361	138.30900
KS	80987	16-OCT-2010	20:22:13.381	20:24:05.969	112.58800
KS	80988	16-OCT-2010	22:03:42.048	22:05:42.596	120.54800
KS	80989	16-OCT-2010	23:48:06.104	23:49:29.738	83.634000
GS	80976	16-OCT-2010	01:51:06.169	01:52:47.128	100.95900
GS	80977	16-OCT-2010	03:29:57.219	03:31:38.735	101.51600
MS	80975	16-OCT-2010	00:04:07.180	00:06:20.972	133.79200
MS	80981	16-OCT-2010	10:44:06.301	10:46:32.410	146.10900

MS	80982	16-OCT-2010	12:23:00.977	12:25:30.023	149.04600
MS	80988	16-OCT-2010	21:54:32.070	21:56:20.038	107.96800
MS	80989	16-OCT-2010	23:32:05.797	23:34:52.145	166.34800
MA	80981	16-OCT-2010	10:38:24.002	10:40:15.875	111.87300
MA	80987	16-OCT-2010	20:14:47.163	20:17:19.425	152.26200
MI	80976	16-OCT-2010	01:50:00.770	01:52:00.620	119.85000
MI	80977	16-OCT-2010	03:24:45.763	03:27:04.207	138.44400
MI	80978	16-OCT-2010	05:08:10.371	05:10:06.346	115.97500
MI	80984	16-OCT-2010	15:44:57.454	15:47:08.763	131.30900
MI	80985	16-OCT-2010	17:25:57.651	17:33:07.915	430.26400
MM	80975	16-OCT-2010	01:10:07.275	01:11:22.869	75.594000
MM	80980	16-OCT-2010	09:39:20.384	09:40:38.004	77.620000
MM	80987	16-OCT-2010	21:16:17.711	21:18:12.306	114.59500
MM	80988	16-OCT-2010	22:56:39.112	22:58:11.418	92.306000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80975	16-OCT-2010	00:58:16.114	01:11:47.918	811.80400
KS	80975	16-OCT-2010	00:22:22.252	00:24:51.690	149.43800
BE	80976	16-OCT-2010	02:16:33.579	02:29:09.380	755.80100
MM	80976	16-OCT-2010	02:52:50.241	03:00:52.467	482.22600
SG	80976	16-OCT-2010	02:28:42.791	02:40:03.088	680.29700
BE	80977	16-OCT-2010	03:55:58.947	04:08:18.213	739.26600
SG	80977	16-OCT-2010	04:07:03.380	04:19:55.308	771.92800
CM	80977	16-OCT-2010	03:24:25.503	03:35:43.192	677.68900
CM	80977	16-OCT-2010	05:04:20.724	05:14:15.474	594.75000
MM	80978	16-OCT-2010	06:18:02.001	06:24:16.921	374.92000
MM	80979	16-OCT-2010	07:58:57.477	08:07:22.305	504.82800
JO	80979	16-OCT-2010	07:36:25.380	07:50:43.346	857.96600
JO	80980	16-OCT-2010	09:16:19.945	09:29:29.169	789.22400
MM	80981	16-OCT-2010	11:19:27.356	11:31:30.250	722.89400
MM	80982	16-OCT-2010	12:59:20.866	13:12:00.549	759.68300
HO	80983	16-OCT-2010	14:48:25.322	14:58:21.872	596.55000
MM	80983	16-OCT-2010	14:38:59.460	14:51:41.692	762.23200
GS	80983	16-OCT-2010	14:01:36.448	14:09:31.193	474.74500

SG	80983	16-OCT-2010	15:02:19.959	15:15:51.287	811.32800
BE	80984	16-OCT-2010	15:13:27.415	15:25:05.071	697.65600
MM	80984	16-OCT-2010	16:18:21.717	16:30:55.290	753.57300
GS	80984	16-OCT-2010	15:39:02.486	15:52:52.733	830.24700
SG	80984	16-OCT-2010	16:43:27.277	16:52:55.595	568.31800
CM	80984	16-OCT-2010	15:48:12.411	15:59:36.670	684.25900
MM	80985	16-OCT-2010	17:57:31.424	18:10:04.133	752.70900
GS	80985	16-OCT-2010	17:18:55.846	17:30:53.404	717.55800
CM	80985	16-OCT-2010	17:28:03.523	17:37:52.549	589.02600
MM	80986	16-OCT-2010	19:36:42.587	19:49:23.708	761.12100
JO	80986	16-OCT-2010	19:56:31.194	20:10:19.133	827.93900
JO	80987	16-OCT-2010	21:35:43.014	21:49:33.651	830.63700
HO	80988	16-OCT-2010	22:48:03.695	23:01:09.898	786.20300
MA	80988	16-OCT-2010	21:55:51.160	22:07:08.379	677.21900

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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 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

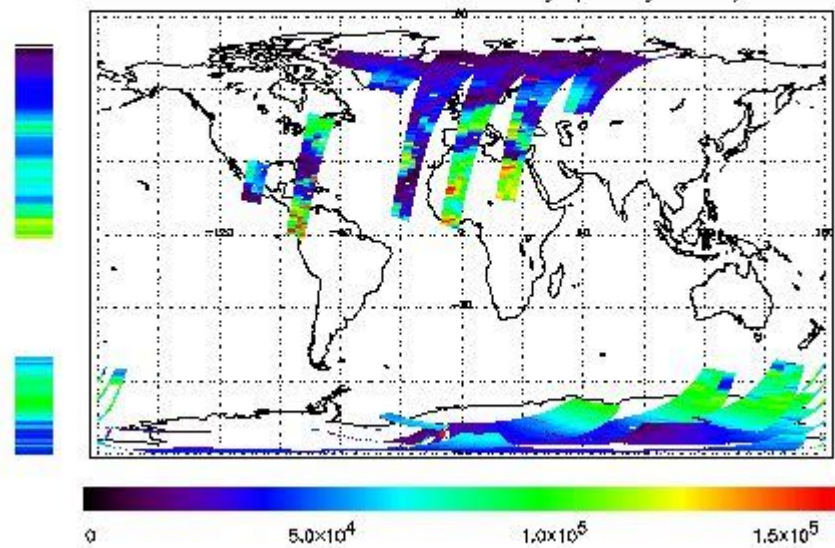
2.2 - Daily Plots

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 : 16-OCT-2010 00:06:20.973 : ORBIT : 80975.0200
 Last Product : 16-OCT-2010 23:47:47.727 : ORBIT : 80989.1498
 Total Products Processed : 15181 Day : 289 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

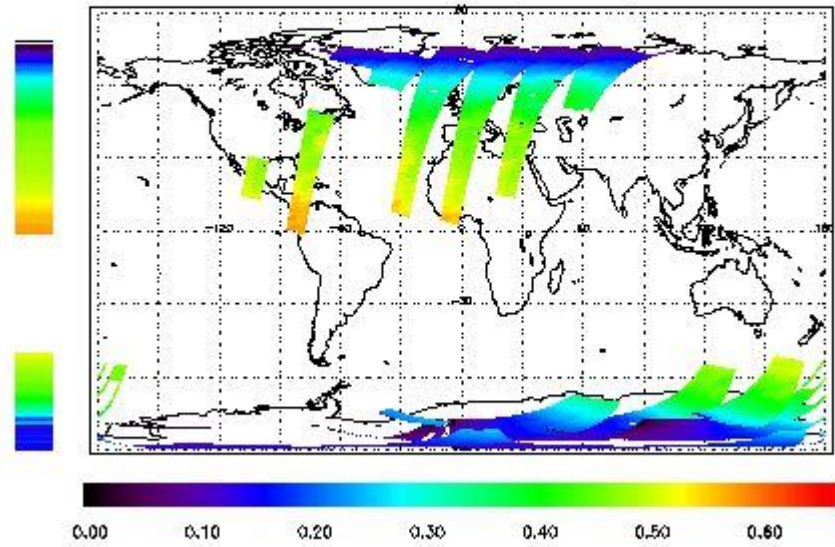


Ozone Line Ratio

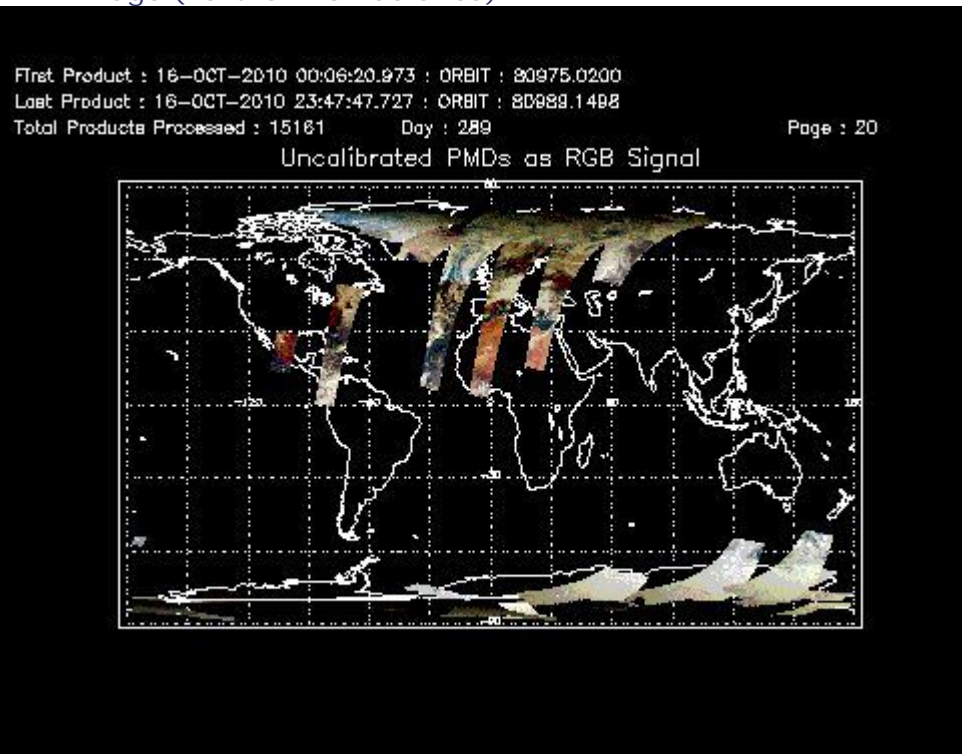
First Product : 16-OCT-2010 00:06:20.973 : ORBIT : 80975.0200
 Last Product : 16-OCT-2010 23:47:47.727 : ORBIT : 80989.1498
 Total Products Processed : 15181 Day : 289

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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	13:55:21.575	--	80983	Yes	--	15362

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
--	--	--	--	--	--

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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

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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