

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-OCT_-2010
Start Time of First Product	23:52:29 (30-Sep)
Stop Time of Last Product	23:29:43
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_101001GSEP6157.E2	01-OCT-2010	01:25:31.480
EGOI_101001GSEP6184.E2	01-OCT-2010	03:02:57.579
EGOI_101001GSEP6212.E2	01-OCT-2010	04:45:29.706
EGOI_101001GSEP6218.E2	01-OCT-2010	06:27:19.828
EGOI_101001HLEP7882.E2	01-OCT-2010	00:40:50.710
EGOI_101001KSEP9755.E2	30-SEP-2010	23:52:29.412
EGOI_101001KSEP9768.E2	01-OCT-2010	06:44:34.938
EGOI_101001KSEP9786.E2	01-OCT-2010	08:24:34.049
EGOI_101001KSEP9810.E2	01-OCT-2010	10:04:13.660

EGOI_101001KSEP9832.E2	01-OCT-2010	11:43:48.766
EGOI_101001KSEP9861.E2	01-OCT-2010	16:39:05.579
EGOI_101001KSEP9891.E2	01-OCT-2010	18:17:06.175
EGOI_101001KSEP9914.E2	01-OCT-2010	21:36:25.402
EGOI_101001KSEP9939.E2	01-OCT-2010	23:19:18.532
EGOI_101001MAEP7783.E2	01-OCT-2010	08:32:32.600
EGOI_101001MAEP7794.E2	01-OCT-2010	10:11:42.207
EGOI_101001MAEP7811.E2	01-OCT-2010	21:28:28.351
EGOI_101001MIEP2124.E2	01-OCT-2010	02:58:51.552
EGOI_101001MIEP2150.E2	01-OCT-2010	04:39:25.170
EGOI_101001MIEP2176.E2	01-OCT-2010	15:19:05.086
EGOI_101001MIEP2201.E2	01-OCT-2010	16:58:40.193
EGOI_101001MMEP5858.E2	01-OCT-2010	00:42:13.218
EGOI_101001MMEP5864.E2	01-OCT-2010	02:24:27.340
EGOI_101001MMEP5871.E2	01-OCT-2010	04:07:09.971
EGOI_101001MMEP5878.E2	01-OCT-2010	05:49:34.597
EGOI_101001MMEP5885.E2	01-OCT-2010	07:31:05.220
EGOI_101001MMEP5893.E2	01-OCT-2010	09:11:52.335
EGOI_101001MMEP5899.E2	01-OCT-2010	10:52:13.949
EGOI_101001MMEP5907.E2	01-OCT-2010	12:32:10.064
EGOI_101001MMEP5916.E2	01-OCT-2010	14:12:25.675
EGOI_101001MSEP1415.E2	01-OCT-2010	10:19:06.249
EGOI_101001MSEP1444.E2	01-OCT-2010	11:56:42.845
EGOI_101001MSEP1464.E2	01-OCT-2010	13:38:50.972
EGOI_101001MSEP1481.E2	01-OCT-2010	21:29:50.859
EGOI_101001MSEP1513.E2	01-OCT-2010	23:05:42.446
EGOI_101001SGEP8473.E2	01-OCT-2010	14:38:03.340
EGOI_101001SGEP8478.E2	01-OCT-2010	16:16:15.938

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80760	30-SEP-2010	23:51:09.330	23:52:29.412	80.082000
KS	80764	01-OCT-2010	06:42:58.311	06:44:34.937	96.626000
KS	80765	01-OCT-2010	08:22:18.031	08:24:34.049	136.01800
KS	80766	01-OCT-2010	10:01:55.620	10:04:13.659	138.03900
KS	80767	01-OCT-2010	11:41:26.130	11:43:48.765	142.63500
KS	80770	01-OCT-2010	16:36:42.910	16:39:05.578	142.66800
KS	80771	01-OCT-2010	18:14:35.174	18:17:06.175	151.00100
KS	80773	01-OCT-2010	21:34:27.934	21:36:25.402	117.46800
KS	80774	01-OCT-2010	23:17:51.246	23:19:18.531	87.285000
GS	80761	01-OCT-2010	01:23:40.852	01:25:31.480	110.62800

GS	80762	01-OCT-2010	03:01:15.500	03:02:57.578	102.07800
GS	80763	01-OCT-2010	04:43:51.988	04:45:29.706	97.718000
MS	80766	01-OCT-2010	10:16:43.663	10:19:06.248	142.58500
MS	80767	01-OCT-2010	11:54:16.991	11:56:42.845	145.85400
MS	80774	01-OCT-2010	23:03:33.968	23:05:42.446	128.47800
MA	80765	01-OCT-2010	08:31:07.014	08:32:32.600	85.586000
MA	80766	01-OCT-2010	10:09:59.666	10:11:42.206	102.54000
MA	80773	01-OCT-2010	21:26:04.640	21:28:28.350	143.71000
MI	80762	01-OCT-2010	02:56:44.516	02:58:51.552	127.03600
MI	80763	01-OCT-2010	04:37:18.100	04:39:25.170	127.07000
MI	80769	01-OCT-2010	15:16:58.693	15:19:05.086	126.39300
MI	80770	01-OCT-2010	16:56:30.761	16:58:40.192	129.43100
MM	80760	01-OCT-2010	00:40:56.741	00:42:13.218	76.477000
MM	80761	01-OCT-2010	02:23:24.651	02:24:27.340	62.689000
MM	80765	01-OCT-2010	09:10:41.504	09:11:52.335	70.831000
MM	80766	01-OCT-2010	10:50:52.433	10:52:13.949	81.516000
MM	80767	01-OCT-2010	12:30:49.873	12:32:10.064	80.191000
MM	80768	01-OCT-2010	14:10:32.931	14:12:25.675	112.74400
MM	80768	01-OCT-2010	14:18:27.214	14:23:16.645	289.43100
SG	80768	01-OCT-2010	14:34:46.960	14:38:03.340	196.38000
SG	80769	01-OCT-2010	16:13:41.973	16:16:15.937	153.96400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80760	01-OCT-2010	00:29:05.335	00:43:42.426	877.09100
BE	80761	01-OCT-2010	01:48:43.493	01:59:44.551	661.05800
SG	80761	01-OCT-2010	02:02:34.381	02:09:37.885	423.50400
BE	80762	01-OCT-2010	03:27:20.077	03:40:30.265	790.18800
SG	80762	01-OCT-2010	03:38:16.340	03:52:04.933	828.59300
CM	80762	01-OCT-2010	02:57:28.451	03:06:19.254	530.80300
CM	80762	01-OCT-2010	04:34:57.283	04:46:47.251	709.96800
JO	80764	01-OCT-2010	07:09:01.083	07:21:47.886	766.80300
JO	80765	01-OCT-2010	08:47:08.769	09:01:41.639	872.87000
MA	80767	01-OCT-2010	11:51:59.581	11:57:05.332	305.75100
HO	80768	01-OCT-2010	14:19:29.911	14:32:10.030	760.11900

KS	80768	01-OCT-2010	13:20:31.734	13:32:52.210	740.47600
SG	80768	01-OCT-2010	14:34:46.960	14:46:48.149	721.18900
BE	80769	01-OCT-2010	14:44:14.023	14:57:07.961	773.93800
MM	80769	01-OCT-2010	15:49:59.828	16:02:35.680	755.85200
KS	80769	01-OCT-2010	14:59:05.992	15:10:37.420	691.42800
GS	80769	01-OCT-2010	15:10:48.523	15:24:02.933	794.41000
CM	80769	01-OCT-2010	15:21:00.822	15:29:54.611	533.78900
MM	80770	01-OCT-2010	17:29:12.176	17:41:43.844	751.66800
GS	80770	01-OCT-2010	16:50:14.056	17:03:20.169	786.11300
CM	80770	01-OCT-2010	16:58:53.589	17:10:37.888	704.29900
MM	80771	01-OCT-2010	19:08:20.871	19:20:59.389	758.51800
JO	80771	01-OCT-2010	19:29:04.272	19:40:41.283	697.01100
MM	80772	01-OCT-2010	20:47:46.692	21:00:30.511	763.81900
MA	80772	01-OCT-2010	19:47:03.239	19:59:41.199	757.96000
KS	80772	01-OCT-2010	19:53:37.309	20:07:36.096	838.78700
JO	80772	01-OCT-2010	21:07:00.064	21:21:48.703	888.63900
HO	80773	01-OCT-2010	22:20:43.731	22:32:30.252	706.52100
MM	80773	01-OCT-2010	22:27:52.925	22:40:17.639	744.71400
HO	80774	01-OCT-2010	23:57:58.439	00:12:29.489	871.05000

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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

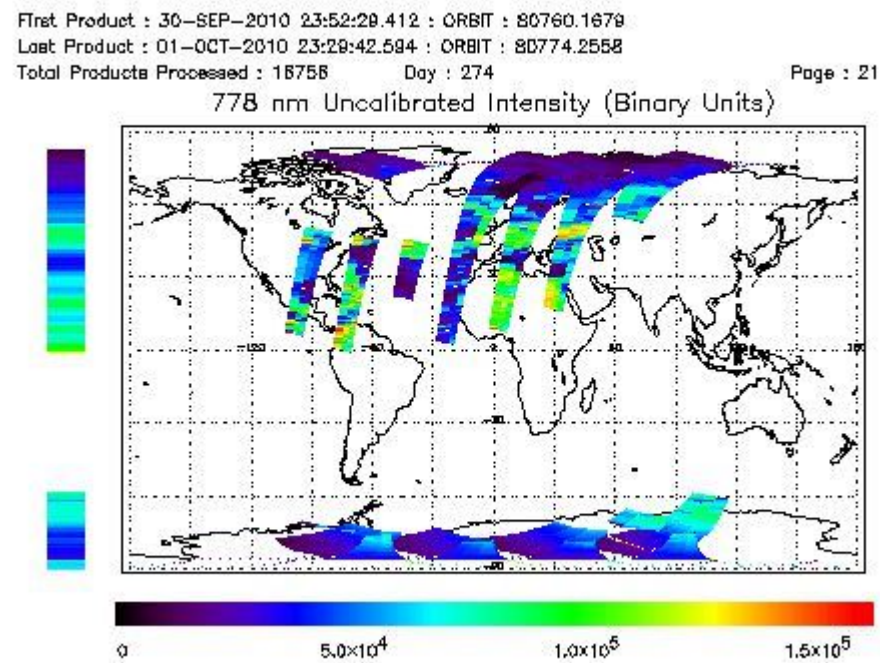
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

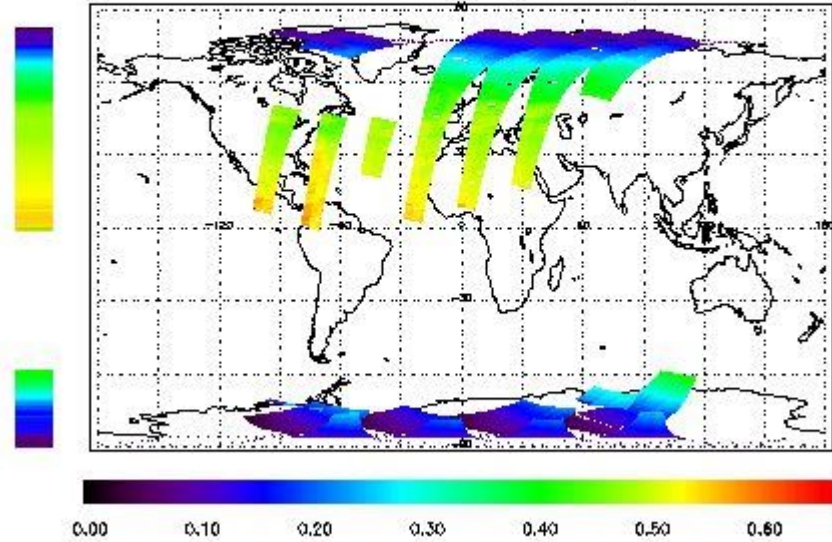


Ozone Line Ratio

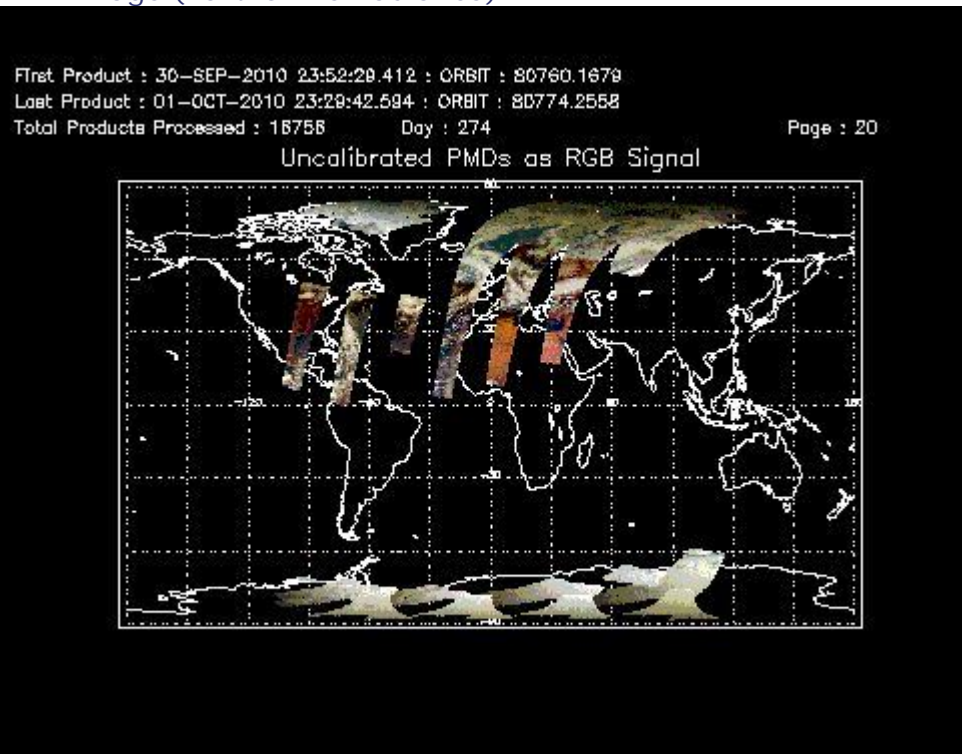
First Product : 30-SEP-2010 23:52:29.412 : ORBIT : 80760.1679
 Last Product : 01-OCT-2010 23:29:42.594 : ORBIT : 80774.2558
 Total Products Processed : 18758 Day : 274

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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)
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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
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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
--	--	--	--	--

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
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