

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	31-OCT-2009
Start Time of First Product	00:06:23
Stop Time of Last Product	23:47:57
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091031BEEP1061.E2;1	31-OCT-2009	02:19:11.014
EGOI_091031BEEP1067.E2	31-OCT-2009	03:58:32.625
EGOI_091031GSEP1931.E2	31-OCT-2009	01:52:57.357
EGOI_091031GSEP1962.E2	31-OCT-2009	03:31:59.464
EGOI_091031GSEP1970.E2	31-OCT-2009	05:14:40.596
EGOI_091031KSEP4396.E2	31-OCT-2009	07:13:17.328
EGOI_091031KSEP4418.E2	31-OCT-2009	08:53:16.440
EGOI_091031KSEP4444.E2	31-OCT-2009	10:32:56.055
EGOI_091031KSEP4475.E2	31-OCT-2009	12:12:20.666

EGOI_091031KSEP4493.E2	31-OCT-2009	13:51:19.774
EGOI_091031KSEP4523.E2	31-OCT-2009	15:29:42.881
EGOI_091031KSEP4555.E2	31-OCT-2009	17:07:10.484
EGOI_091031KSEP4590.E2	31-OCT-2009	18:45:12.589
EGOI_091031KSEP4624.E2	31-OCT-2009	20:24:20.697
EGOI_091031KSEP4653.E2	31-OCT-2009	22:05:58.828
EGOI_091031MAEP5480.E2	31-OCT-2009	09:00:34.483
EGOI_091031MAEP5494.E2	31-OCT-2009	10:40:26.102
EGOI_091031MIEP3001.E2	31-OCT-2009	01:52:09.353
EGOI_091031MIEP3029.E2	31-OCT-2009	03:27:15.933
EGOI_091031MIEP3051.E2	31-OCT-2009	05:10:18.067
EGOI_091031MIEP3060.E2	31-OCT-2009	15:47:20.487
EGOI_091031MIEP3083.E2	31-OCT-2009	17:28:22.610
EGOI_091031MSEP2452.E2	31-OCT-2009	00:06:23.703
EGOI_091031MSEP2477.E2	31-OCT-2009	10:46:44.138
EGOI_091031MSEP2505.E2	31-OCT-2009	12:25:40.245
EGOI_091031MSEP2534.E2	31-OCT-2009	21:56:34.769
EGOI_091031MSEP2565.E2	31-OCT-2009	23:34:47.372
EGOI_091031SGEP0867.E2	31-OCT-2009	15:08:50.252
EGOI_091031SGEP0873.E2	31-OCT-2009	16:46:05.851

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75969	31-OCT-2009	07:11:16.174	07:13:17.328	121.15400
KS	75970	31-OCT-2009	08:50:45.600	08:53:16.440	150.84000
KS	75971	31-OCT-2009	10:30:22.936	10:32:56.054	153.11800
KS	75972	31-OCT-2009	12:09:48.275	12:12:20.665	152.39000
KS	75973	31-OCT-2009	13:48:43.190	13:51:19.774	156.58400
KS	75974	31-OCT-2009	15:26:52.611	15:29:42.881	170.27000
KS	75975	31-OCT-2009	17:04:34.641	17:07:10.484	155.84300
KS	75976	31-OCT-2009	18:42:44.051	18:45:12.588	148.53700
KS	75977	31-OCT-2009	20:22:13.380	20:24:20.696	127.31600
KS	75978	31-OCT-2009	22:03:42.046	22:05:58.827	136.78100
KS	75979	31-OCT-2009	23:48:06.102	23:49:39.966	93.864000
GS	75966	31-OCT-2009	01:51:06.167	01:52:57.356	111.18900
GS	75967	31-OCT-2009	03:29:57.218	03:31:59.464	122.24600
MS	75965	31-OCT-2009	00:04:07.178	00:06:23.703	136.52500
MS	75971	31-OCT-2009	10:44:06.299	10:46:44.137	157.83800
MS	75972	31-OCT-2009	12:23:00.975	12:25:40.245	159.27000

MS	75978	31-OCT-2009	21:54:32.068	21:56:34.768	122.70000
MS	75979	31-OCT-2009	23:32:05.795	23:34:47.371	161.57600
MA	75971	31-OCT-2009	10:38:24.000	10:40:26.101	122.10100
MI	75966	31-OCT-2009	01:50:00.768	01:52:09.352	128.58400
MI	75967	31-OCT-2009	03:24:45.762	03:27:15.933	150.17100
MI	75968	31-OCT-2009	05:08:10.370	05:10:18.066	127.69600
MI	75974	31-OCT-2009	15:44:57.453	15:47:20.487	143.03400
MI	75975	31-OCT-2009	17:25:57.650	17:28:22.609	144.95900
BE	75966	31-OCT-2009	02:16:33.577	02:19:11.014	157.43700
BE	75967	31-OCT-2009	03:55:58.946	03:58:32.625	153.67900
SG	75973	31-OCT-2009	15:02:19.957	15:08:50.251	390.29400
SG	75974	31-OCT-2009	16:43:27.276	16:46:05.850	158.57400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75965	31-OCT-2009	00:58:16.112	01:11:47.916	811.80400
MM	75965	31-OCT-2009	01:10:07.273	01:20:25.892	618.61900
KS	75965	31-OCT-2009	00:22:22.250	00:24:51.688	149.43800
MM	75966	31-OCT-2009	02:52:50.239	03:00:52.465	482.22600
SG	75966	31-OCT-2009	02:28:42.789	02:40:03.086	680.29700
MM	75967	31-OCT-2009	04:35:54.345	04:41:56.344	361.99900
SG	75967	31-OCT-2009	04:07:03.379	04:19:55.307	771.92800
CM	75967	31-OCT-2009	03:24:25.502	03:35:43.191	677.68900
CM	75967	31-OCT-2009	05:04:20.723	05:14:15.473	594.75000
MM	75968	31-OCT-2009	06:18:02.000	06:24:16.920	374.92000
MM	75969	31-OCT-2009	07:58:57.476	08:07:22.304	504.82800
JO	75969	31-OCT-2009	07:36:25.379	07:50:43.345	857.96600
MM	75970	31-OCT-2009	09:39:20.383	09:49:57.117	636.73400
JO	75970	31-OCT-2009	09:16:19.944	09:29:29.168	789.22400
MM	75971	31-OCT-2009	11:19:27.354	11:31:30.248	722.89400
MM	75972	31-OCT-2009	12:59:20.864	13:12:00.547	759.68300
HO	75973	31-OCT-2009	14:48:25.320	14:58:21.870	596.55000
MM	75973	31-OCT-2009	14:38:59.458	14:51:41.690	762.23200
GS	75973	31-OCT-2009	14:01:36.446	14:09:31.191	474.74500
BE	75974	31-OCT-2009	15:13:27.414	15:25:05.070	697.65600

MM	75974	31-OCT-2009	16:18:21.716	16:30:55.289	753.57300
GS	75974	31-OCT-2009	15:39:02.485	15:52:52.732	830.24700
CM	75974	31-OCT-2009	15:48:12.410	15:59:36.669	684.25900
MM	75975	31-OCT-2009	17:57:31.423	18:10:04.132	752.70900
GS	75975	31-OCT-2009	17:18:55.845	17:30:53.403	717.55800
CM	75975	31-OCT-2009	17:28:03.522	17:37:52.548	589.02600
MM	75976	31-OCT-2009	19:36:42.586	19:49:23.707	761.12100
JO	75976	31-OCT-2009	19:56:31.193	20:10:19.132	827.93900
MM	75977	31-OCT-2009	21:16:17.710	21:28:59.570	761.86000
MA	75977	31-OCT-2009	20:14:47.162	20:28:33.971	826.80900
JO	75977	31-OCT-2009	21:35:43.013	21:49:33.650	830.63700
HO	75978	31-OCT-2009	22:48:03.693	23:01:09.896	786.20300
MM	75978	31-OCT-2009	22:56:39.110	23:08:50.883	731.77300
MA	75978	31-OCT-2009	21:55:51.158	22:07:08.377	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	Sout Polar view operations
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

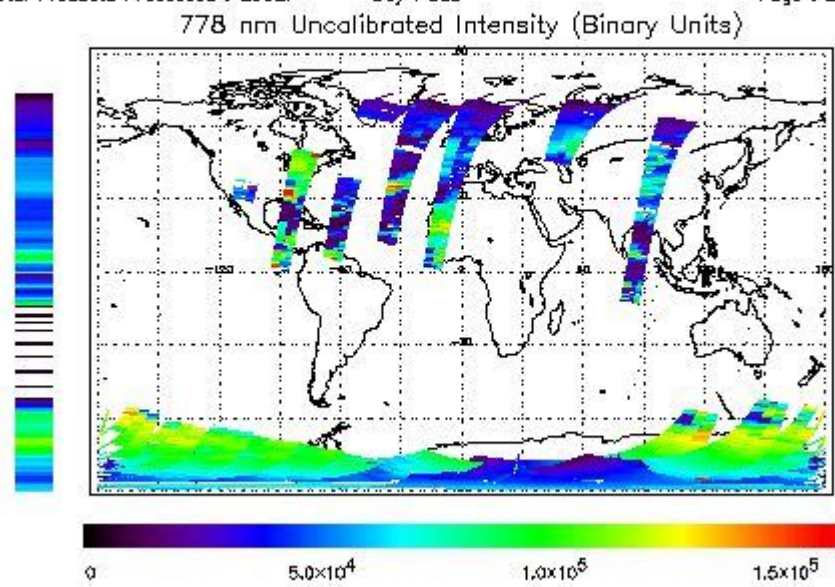
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs 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 : 30-OCT-2009 00:01:49.279 : ORBIT : 75950.6607
 Last Product : 30-OCT-2009 23:42:59.554 : ORBIT : 75964.7878
 Total Products Processed : 20927 Day : 303 Page : 21

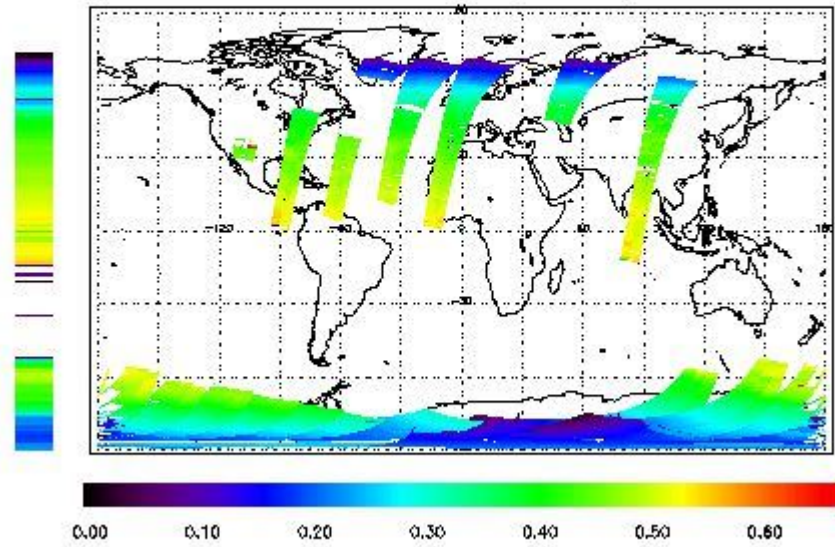


Ozone Line Ratio

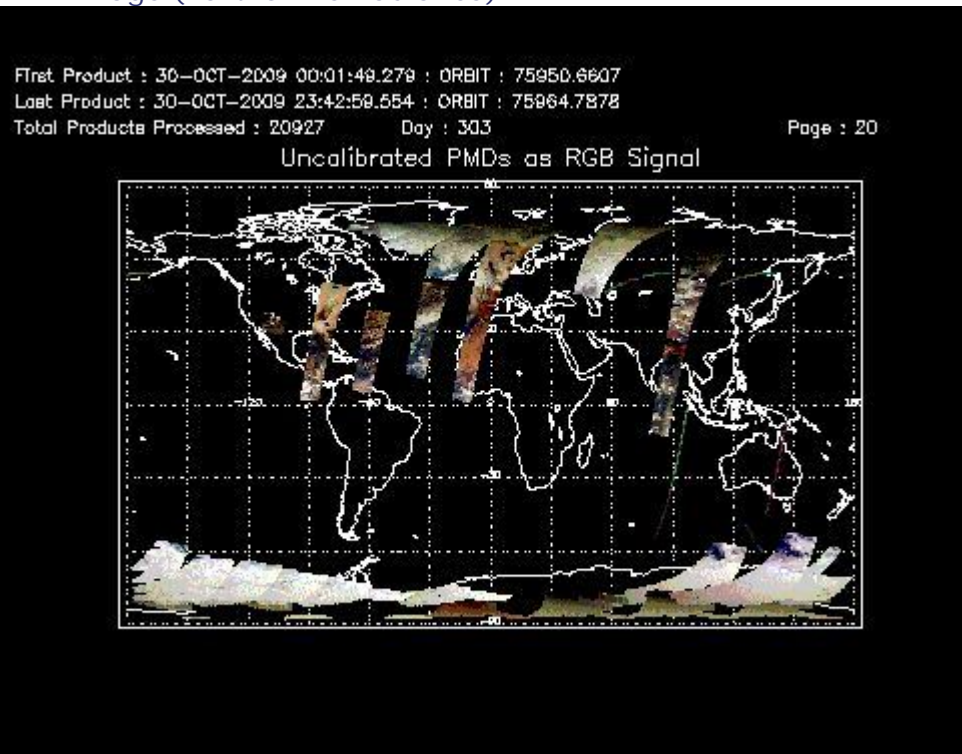
First Product : 30-OCT-2009 00:01:49.279 : ORBIT : 75950.6607
 Last Product : 30-OCT-2009 23:42:59.554 : ORBIT : 75964.7878
 Total Products Processed : 20927 Day : 303

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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	10:35:56	--	75971	Yes	--	15505

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
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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
01:00 05-Sep	24:00 31-Oct	75164	75979

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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