

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-NOV-2010
Start Time of First Product	23:52:22 (29-Nov)
Stop Time of Last Product	23:33:52
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101130CMEP2192.E2	30-NOV-2010	03:12:11.736
EGOI_101130CMEP2201.E2	30-NOV-2010	04:53:54.363
EGOI_101130CMEP2209.E2	30-NOV-2010	15:36:14.849
EGOI_101130CMEP2217.E2	30-NOV-2010	17:14:49.958
EGOI_101130GSEP0182.E2	30-NOV-2010	01:39:09.657
EGOI_101130GSEP0209.E2	30-NOV-2010	03:17:20.764
EGOI_101130KSEP4034.E2	30-NOV-2010	06:59:02.641
EGOI_101130KSEP4052.E2	30-NOV-2010	08:39:01.761
EGOI_101130KSEP4073.E2	30-NOV-2010	10:18:41.380

EGOI_101130KSEP4095.E2	30-NOV-2010	11:58:13.491
EGOI_101130KSEP4123.E2	30-NOV-2010	13:37:09.608
EGOI_101130KSEP4149.E2	30-NOV-2010	15:15:35.720
EGOI_101130KSEP4174.E2	30-NOV-2010	16:53:16.824
EGOI_101130KSEP4203.E2	30-NOV-2010	18:31:09.931
EGOI_101130KSEP4235.E2	30-NOV-2010	20:09:58.543
EGOI_101130KSEP4263.E2	30-NOV-2010	21:51:03.671
EGOI_101130KSEP4287.E2	30-NOV-2010	23:34:34.318
EGOI_101130MAEP0306.E2	30-NOV-2010	08:47:07.807
EGOI_101130MAEP0317.E2	30-NOV-2010	10:26:09.923
EGOI_101130MIEP6460.E2	30-NOV-2010	03:13:04.236
EGOI_101130MIEP6485.E2	30-NOV-2010	04:54:45.367
EGOI_101130MIEP6505.E2	30-NOV-2010	15:33:19.330
EGOI_101130MIEP6531.E2	30-NOV-2010	17:13:28.950
EGOI_101130MSEP8309.E2	29-NOV-2010	23:52:22.493
EGOI_101130MSEP8338.E2	30-NOV-2010	21:42:56.120
EGOI_101130MSEP8370.E2	30-NOV-2010	23:20:04.228
EGOI_101130SGEP9778.E2	30-NOV-2010	02:25:17.443
EGOI_101130SGEP9785.E2	30-NOV-2010	04:05:13.557
EGOI_101130SGEP9791.E2	30-NOV-2010	14:53:04.079
EGOI_101130SGEP9797.E2	30-NOV-2010	16:31:13.687

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81623	30-NOV-2010	06:57:06.402	06:59:02.641	116.23900
KS	81624	30-NOV-2010	08:36:31.721	08:39:01.760	150.03900
KS	81625	30-NOV-2010	10:16:09.376	10:18:41.380	152.00400
KS	81626	30-NOV-2010	11:55:37.484	11:58:13.490	156.00600
KS	81627	30-NOV-2010	13:34:37.913	13:37:09.608	151.69500
KS	81628	30-NOV-2010	15:12:59.916	15:15:35.720	155.80400
KS	81629	30-NOV-2010	16:50:36.958	16:53:16.824	159.86600
KS	81630	30-NOV-2010	18:28:38.849	18:31:09.931	151.08200
KS	81631	30-NOV-2010	20:07:54.185	20:09:58.543	124.35800
KS	81632	30-NOV-2010	21:49:03.398	21:51:03.671	120.27300
MS	81619	29-NOV-2010	23:49:28.187	23:52:22.492	174.30500
MS	81633	30-NOV-2010	23:17:46.114	23:20:04.227	138.11300
MA	81624	30-NOV-2010	08:45:29.593	08:47:07.807	98.214000
MA	81625	30-NOV-2010	10:24:11.882	10:26:09.923	118.04100
MI	81621	30-NOV-2010	03:10:41.161	03:13:04.236	143.07500
MI	81622	30-NOV-2010	04:52:27.530	04:54:45.366	137.83600

MI	81628	30-NOV-2010	15:30:54.865	15:33:19.329	144.46400
MI	81629	30-NOV-2010	17:11:08.525	17:13:28.950	140.42500
SG	81621	30-NOV-2010	03:52:35.743	04:05:13.557	757.81400
SG	81627	30-NOV-2010	14:48:28.303	14:53:04.079	275.77600
SG	81628	30-NOV-2010	16:28:26.545	16:31:13.687	167.14200
CM	81621	30-NOV-2010	03:10:49.353	03:12:11.736	82.383000
CM	81628	30-NOV-2010	15:34:29.266	15:36:14.848	105.58200
CM	81629	30-NOV-2010	17:13:23.632	17:14:49.957	86.325000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81619	30-NOV-2010	00:43:42.226	00:57:48.118	845.89200
MM	81619	30-NOV-2010	00:55:31.355	01:06:06.559	635.20400
KS	81619	30-NOV-2010	00:06:32.956	00:11:21.467	288.51100
BE	81620	30-NOV-2010	02:02:35.521	02:14:31.742	716.22100
MM	81620	30-NOV-2010	02:38:07.095	02:46:30.009	502.91400
GS	81620	30-NOV-2010	01:37:20.531	01:49:31.257	730.72600
BE	81621	30-NOV-2010	03:41:38.073	03:54:27.459	769.38600
MM	81621	30-NOV-2010	04:21:12.492	04:27:26.173	373.68100
GS	81621	30-NOV-2010	03:15:33.459	03:29:20.237	826.77800
MM	81622	30-NOV-2010	06:03:31.977	06:09:34.947	362.97000
MM	81623	30-NOV-2010	07:44:35.108	07:52:39.255	484.14700
JO	81623	30-NOV-2010	07:22:38.812	07:36:18.344	819.53200
MM	81624	30-NOV-2010	09:25:01.106	09:35:21.342	620.23600
JO	81624	30-NOV-2010	09:01:39.755	09:15:38.796	839.04100
MM	81625	30-NOV-2010	11:05:10.029	11:17:03.828	713.79900
MS	81625	30-NOV-2010	10:30:22.546	10:40:45.010	622.46400
MM	81626	30-NOV-2010	12:45:05.519	12:57:42.524	757.00500
MS	81626	30-NOV-2010	12:08:38.373	12:21:35.699	777.32600
HO	81627	30-NOV-2010	14:33:55.633	14:45:36.027	700.39400
MM	81627	30-NOV-2010	14:24:46.364	14:37:29.486	763.12200
SG	81627	30-NOV-2010	14:48:28.303	15:01:24.465	776.16200
BE	81628	30-NOV-2010	14:58:46.464	15:11:09.042	742.57800
MM	81628	30-NOV-2010	16:04:10.923	16:16:45.560	754.63700
GS	81628	30-NOV-2010	15:24:54.200	15:38:30.882	816.68200

MM	81629	30-NOV-2010	17:43:21.823	17:55:53.886	752.06300
GS	81629	30-NOV-2010	17:04:33.906	17:17:09.635	755.72900
MM	81630	30-NOV-2010	19:22:31.519	19:35:11.380	759.86100
JO	81630	30-NOV-2010	19:42:42.853	19:55:36.292	773.43900
MM	81631	30-NOV-2010	21:02:01.753	21:14:44.879	763.12600
MA	81631	30-NOV-2010	20:00:52.236	20:14:14.279	802.04300
JO	81631	30-NOV-2010	21:21:19.264	21:35:45.003	865.73900
HO	81632	30-NOV-2010	22:34:19.079	22:46:50.969	751.89000
MM	81632	30-NOV-2010	22:42:15.396	22:54:34.121	738.72500
MA	81632	30-NOV-2010	21:40:35.866	21:53:13.994	758.12800
KS	81633	30-NOV-2010	23:32:55.205	23:40:39.133	463.92800

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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

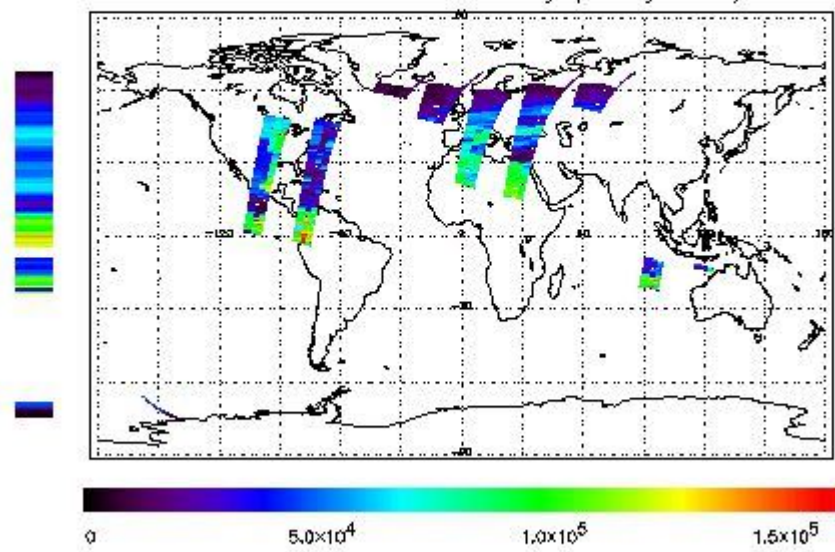
2.2 - Daily Plots

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 : 29-NOV-2010 23:52:22.493 : ORBIT : 81619.0239
 Last Product : 30-NOV-2010 23:33:52.314 : ORBIT : 81633.1543
 Total Products Processed : 12488 Day : 334 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

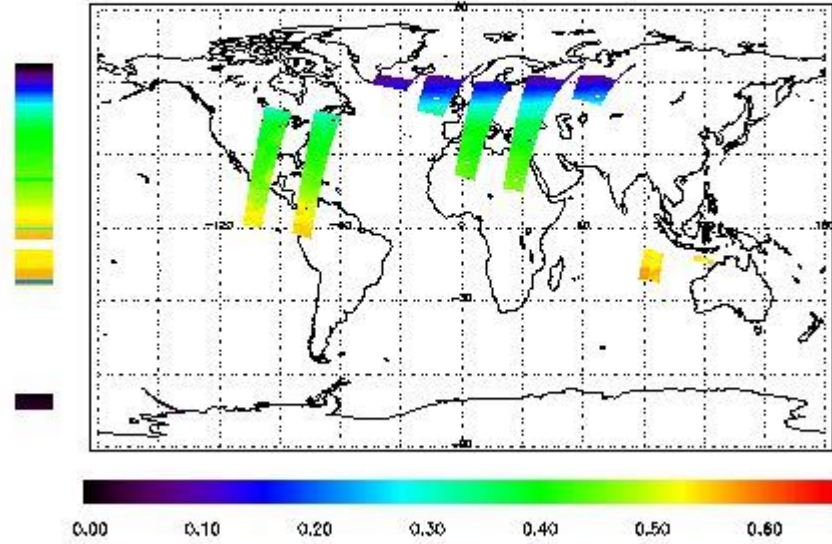


Ozone Line Ratio

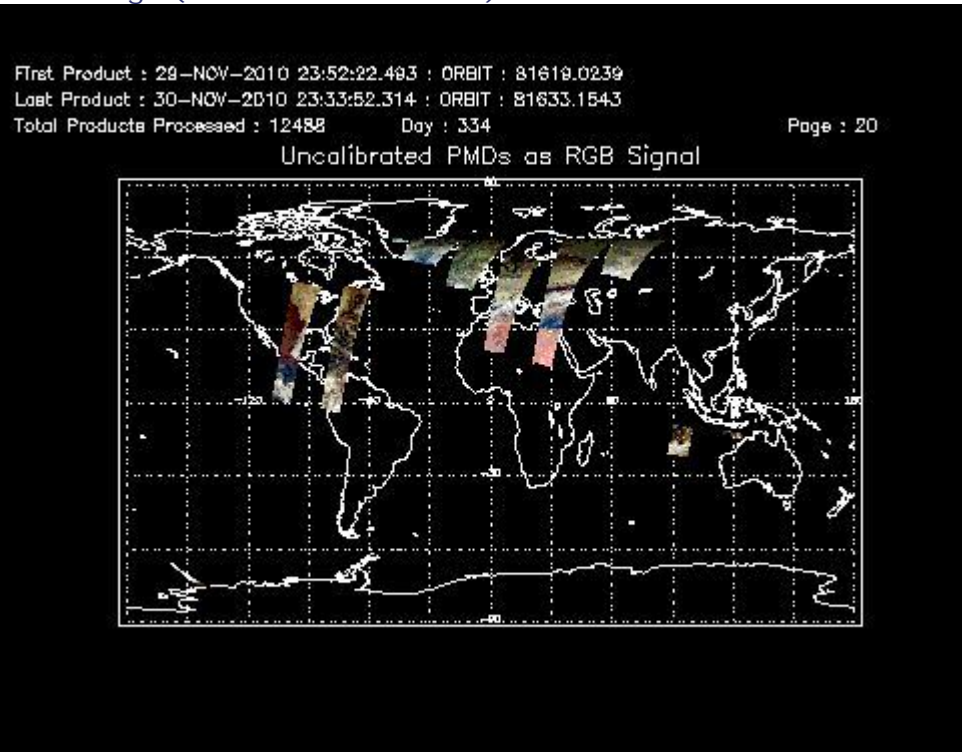
First Product : 29-NOV-2010 23:52:22.493 : ORBIT : 81619.0239
 Last Product : 30-NOV-2010 23:33:52.314 : ORBIT : 81633.1543
 Total Products Processed : 12488 Day : 334

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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	10:23:42.907	--	81625	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
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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