

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-NOV-2010
Start Time of First Product	00:08:56
Stop Time of Last Product	23:07:13
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal data

1.2 - List of received products

Name	Date	Time
EGOI_101128CMEP2136.E2	28-NOV-2010	04:15:40.762
EGOI_101128CMEP2145.E2	28-NOV-2010	15:00:59.760
EGOI_101128CMEP2152.E2	28-NOV-2010	16:37:31.860
EGOI_101128HLEP8566.E2	28-NOV-2010	00:08:55.735
EGOI_101128HLEP8576.E2	28-NOV-2010	13:58:56.375
EGOI_101128KSEP3517.E2	28-NOV-2010	06:21:59.545
EGOI_101128KSEP3536.E2	28-NOV-2010	08:02:01.668
EGOI_101128KSEP3560.E2	28-NOV-2010	09:41:39.787
EGOI_101128KSEP3591.E2	28-NOV-2010	11:21:16.399

EGOI_101128KSEP3620.E2	28-NOV-2010	13:00:27.515
EGOI_101128KSEP3631.E2	28-NOV-2010	14:39:16.127
EGOI_101128KSEP3657.E2	28-NOV-2010	16:17:01.735
EGOI_101128KSEP3684.E2	28-NOV-2010	17:55:02.343
EGOI_101128KSEP3715.E2	28-NOV-2010	19:33:02.951
EGOI_101128KSEP3746.E2	28-NOV-2010	21:13:17.071
EGOI_101128KSEP3771.E2	28-NOV-2010	22:56:14.714
EGOI_101128MAEP0256.E2	28-NOV-2010	08:10:42.215
EGOI_101128MAEP0270.E2	28-NOV-2010	09:49:05.330
EGOI_101128MIEP6389.E2	28-NOV-2010	02:37:05.655
EGOI_101128MSEP8081.E2	28-NOV-2010	00:57:53.040
EGOI_101128MSEP8091.E2	28-NOV-2010	09:57:56.386
EGOI_101128MSEP8116.E2	28-NOV-2010	11:34:22.485
EGOI_101128MSEP8140.E2	28-NOV-2010	13:15:06.610
EGOI_101128MSEP8173.E2	28-NOV-2010	22:43:17.632
EGOI_101128SGEP9727.E2	28-NOV-2010	03:18:14.905
EGOI_101128SGEP9735.E2	28-NOV-2010	05:00:20.040
EGOI_101128SGEP9740.E2	28-NOV-2010	14:15:35.482
EGOI_101128SGEP9747.E2	28-NOV-2010	15:53:04.586

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81594	28-NOV-2010	06:20:27.010	06:21:59.544	92.534000
KS	81595	28-NOV-2010	07:59:32.736	08:02:01.668	148.93200
KS	81596	28-NOV-2010	09:39:09.321	09:41:39.786	150.46500
KS	81597	28-NOV-2010	11:18:42.947	11:21:16.399	153.45200
KS	81598	28-NOV-2010	12:57:55.975	13:00:27.514	151.53900
KS	81599	28-NOV-2010	14:36:40.226	14:39:16.126	155.90000
KS	81600	28-NOV-2010	16:14:20.591	16:17:01.734	161.14300
KS	81601	28-NOV-2010	17:52:14.118	17:55:02.342	168.22400
KS	81602	28-NOV-2010	19:30:50.874	19:33:02.950	132.07600
KS	81603	28-NOV-2010	21:11:13.427	21:13:17.071	123.64400
KS	81604	28-NOV-2010	22:53:56.077	22:56:14.714	138.63700
MS	81597	28-NOV-2010	11:31:39.588	11:34:22.485	162.89700
MS	81598	28-NOV-2010	13:12:35.923	13:15:06.610	150.68700
MS	81604	28-NOV-2010	22:41:05.869	22:43:17.631	131.76200
MA	81595	28-NOV-2010	08:09:14.888	08:10:42.214	87.326000
MA	81596	28-NOV-2010	09:47:12.108	09:49:05.330	113.22200
MI	81592	28-NOV-2010	02:34:44.140	02:37:05.654	141.51400

SG	81592	28-NOV-2010	03:15:37.141	03:18:14.904	157.76300
SG	81592	28-NOV-2010	03:26:11.954	03:29:25.114	193.16000
SG	81593	28-NOV-2010	04:57:53.717	05:00:20.040	146.32300
SG	81598	28-NOV-2010	14:13:23.182	14:15:35.481	132.29900
SG	81599	28-NOV-2010	15:50:29.283	15:53:04.586	155.30300
CM	81600	28-NOV-2010	16:35:57.339	16:37:31.860	94.521000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81590	28-NOV-2010	00:06:25.022	00:21:00.592	875.57000
MM	81590	28-NOV-2010	00:17:40.130	00:28:53.725	673.59500
HO	81591	28-NOV-2010	01:48:58.530	01:58:53.225	594.69500
MM	81591	28-NOV-2010	01:59:54.552	02:09:10.284	555.73200
GS	81591	28-NOV-2010	01:02:03.327	01:11:59.812	596.48500
BE	81592	28-NOV-2010	03:04:32.964	03:17:57.852	804.88800
MM	81592	28-NOV-2010	03:42:55.687	03:49:50.690	415.00300
GS	81592	28-NOV-2010	02:38:34.129	02:52:26.432	832.30300
CM	81592	28-NOV-2010	02:37:11.046	02:41:41.276	270.23000
CM	81592	28-NOV-2010	04:11:58.378	04:24:21.800	743.42200
BE	81593	28-NOV-2010	04:45:15.030	04:54:25.658	550.62800
MM	81593	28-NOV-2010	05:25:41.637	05:31:28.377	346.74000
MI	81593	28-NOV-2010	04:13:37.847	04:25:52.458	734.61100
GS	81593	28-NOV-2010	04:19:45.929	04:31:03.999	678.07000
MM	81594	28-NOV-2010	07:07:09.428	07:14:21.175	431.74700
JO	81594	28-NOV-2010	06:47:35.883	06:58:19.703	643.82000
MM	81595	28-NOV-2010	08:47:45.400	08:57:18.504	573.10400
JO	81595	28-NOV-2010	08:24:11.519	08:39:11.028	899.50900
MM	81596	28-NOV-2010	10:27:59.723	10:39:24.877	685.15400
JO	81596	28-NOV-2010	10:08:17.579	10:14:45.648	388.06900
MM	81597	28-NOV-2010	12:08:00.227	12:20:26.509	746.28200
MA	81597	28-NOV-2010	11:28:24.913	11:36:24.449	479.53600
HO	81598	28-NOV-2010	13:56:25.430	14:10:23.665	838.23500
MM	81598	28-NOV-2010	13:47:46.749	14:00:30.606	763.85700
SG	81598	28-NOV-2010	14:13:23.182	14:22:58.094	574.91200
BE	81599	28-NOV-2010	14:21:13.264	14:34:34.144	800.88000

MM	81599	28-NOV-2010	15:27:17.419	15:39:55.399	757.98000
MI	81599	28-NOV-2010	14:54:58.636	15:05:44.468	645.83200
GS	81599	28-NOV-2010	14:48:22.353	15:00:39.885	737.53200
BE	81600	28-NOV-2010	16:05:11.998	16:11:05.739	353.74100
MM	81600	28-NOV-2010	17:06:32.529	17:19:04.115	751.58600
MI	81600	28-NOV-2010	16:33:21.960	16:46:06.628	764.66800
GS	81600	28-NOV-2010	16:27:22.182	16:41:01.779	819.59700
MM	81601	28-NOV-2010	18:45:40.534	18:58:16.895	756.36100
GS	81601	28-NOV-2010	18:08:09.439	18:16:43.417	513.97800
JO	81601	28-NOV-2010	19:07:49.977	19:16:08.745	498.76800
MM	81602	28-NOV-2010	20:25:00.305	20:37:44.203	763.89800
MA	81602	28-NOV-2010	19:27:03.330	19:36:24.603	561.27300
JO	81602	28-NOV-2010	20:44:14.170	20:59:15.809	901.63900
MM	81603	28-NOV-2010	22:04:55.457	22:17:27.859	752.40200
MA	81603	28-NOV-2010	21:03:00.741	21:16:26.905	806.16400
JO	81603	28-NOV-2010	22:25:28.736	22:35:15.633	586.89700
HO	81604	28-NOV-2010	23:35:21.111	23:49:44.161	863.05000
MM	81604	28-NOV-2010	23:45:45.442	23:57:25.891	700.44900

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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

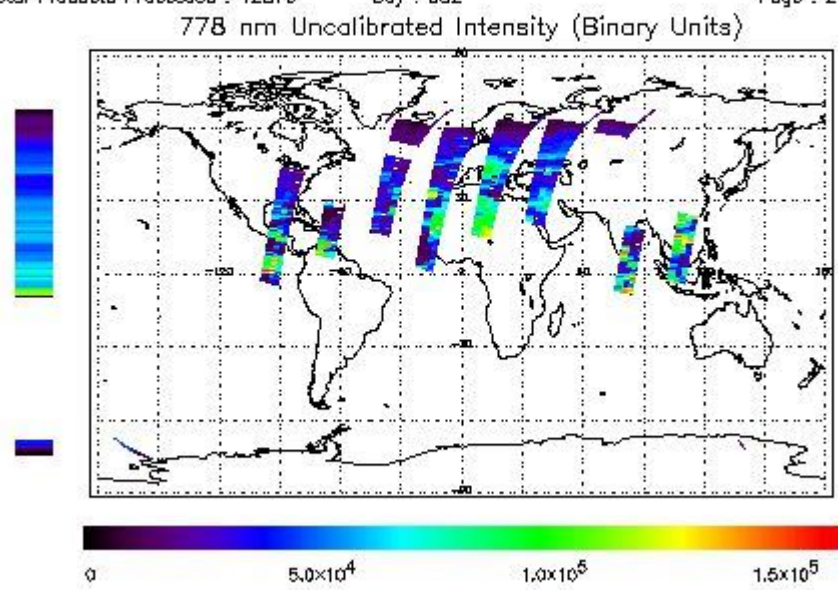
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 28-NOV-2010 00:08:55.735 : ORBIT : 81590.5599
 Last Product : 28-NOV-2010 23:07:13.276 : ORBIT : 81604.2608
 Total Products Processed : 12876 Day : 332 Page : 21

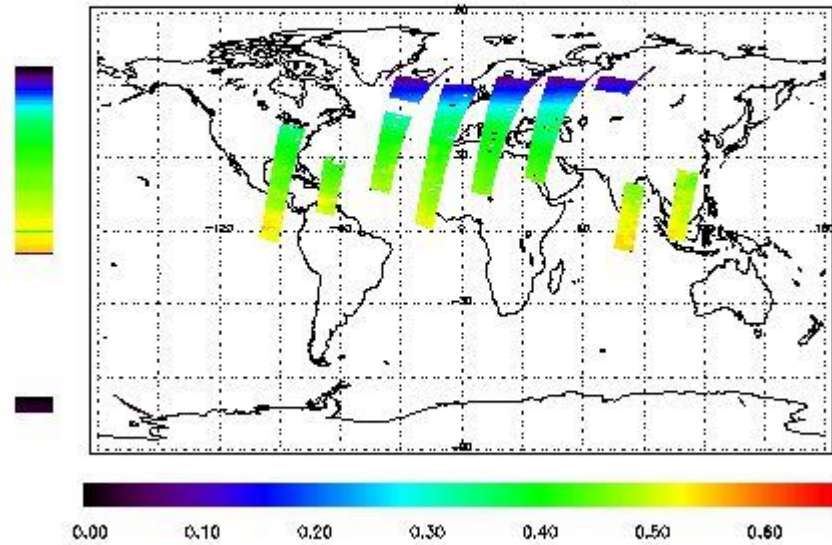


Ozone Line Ratio

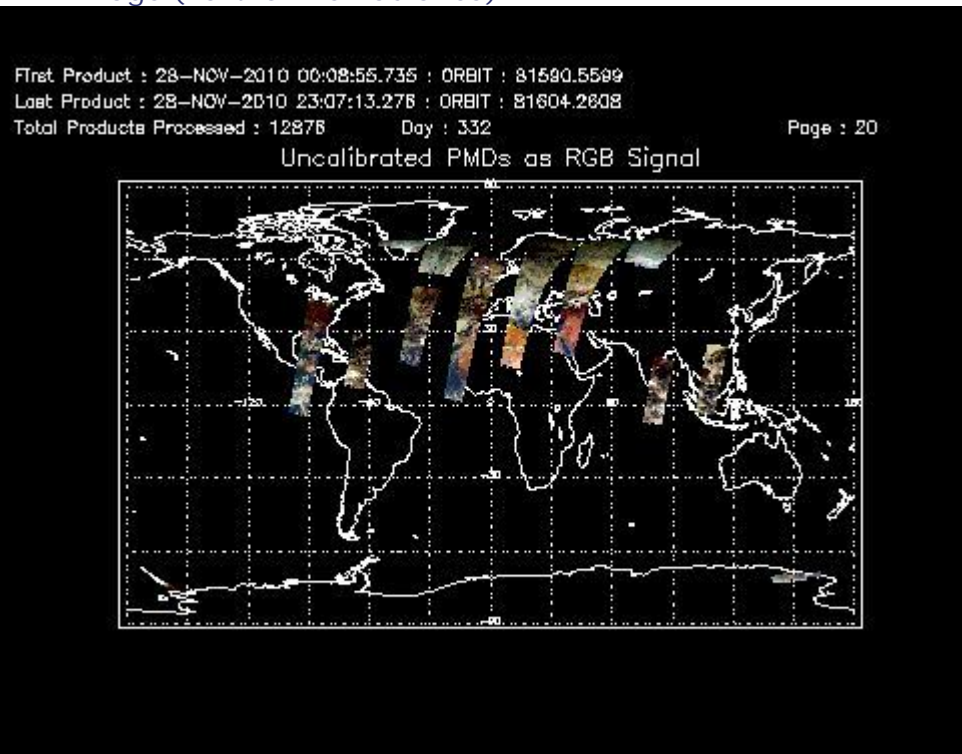
First Product : 28-NOV-2010 00:08:55.735 : ORBIT : 81590.5599
 Last Product : 28-NOV-2010 23:07:13.276 : ORBIT : 81604.2608
 Total Products Processed : 12876 Day : 332

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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	11:26:55.437	--	81597	Yes	--	15731

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
--	--	--	--	--

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
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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