

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-JAN-2011
Start Time of First Product	00:39:07
Stop Time of Last Product	22:50:12
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Quarterly calibration executed during orbits 82472-82477, 14:00-23:00; Nadir Static View, orbits: 82470-82471

1.2 - List of received products

Name	Date	Time
EGOI_110128CMEP3562.E2	28-JAN-2011	03:59:21.530
EGOI_110128CMEP3572.E2	28-JAN-2011	05:39:02.644
EGOI_110128CMEP3579.E2	28-JAN-2011	16:20:47.105
EGOI_110128CMEP3590.E2	28-JAN-2011	18:02:23.732
EGOI_110128GSEP4564.E2	28-JAN-2011	02:23:47.942
EGOI_110128GSEP4594.E2	28-JAN-2011	04:04:05.061
EGOI_110128GSEP4601.E2	28-JAN-2011	05:46:35.694
EGOI_110128KSEP8609.E2	28-JAN-2011	07:44:37.918
EGOI_110128KSEP8632.E2	28-JAN-2011	09:24:38.536

EGOI_110128KSEP8656.E2	28-JAN-2011	11:04:15.155
EGOI_110128KSEP8680.E2	28-JAN-2011	12:43:32.263
EGOI_110128KSEP8690.E2	28-JAN-2011	14:22:28.375
EGOI_110128KSEP8705.E2	28-JAN-2011	16:00:12.479
EGOI_110128KSEP8719.E2	28-JAN-2011	17:38:10.079
EGOI_110128KSEP8749.E2	28-JAN-2011	19:15:58.687
EGOI_110128KSEP8780.E2	28-JAN-2011	20:55:57.807
EGOI_110128KSEP8806.E2	28-JAN-2011	22:38:43.443
EGOI_110128MAEP2275.E2	28-JAN-2011	09:32:23.580
EGOI_110128MAEP2284.E2	28-JAN-2011	11:11:54.198
EGOI_110128MAEP2300.E2	28-JAN-2011	22:30:26.892
EGOI_110128MIEP1545.E2	28-JAN-2011	02:20:58.427
EGOI_110128MIEP1568.E2	28-JAN-2011	14:41:13.489
EGOI_110128MIEP1596.E2	28-JAN-2011	16:18:36.593
EGOI_110128MIEP1608.E2	28-JAN-2011	18:02:46.236
EGOI_110128MSEP5143.E2	28-JAN-2011	00:39:06.802
EGOI_110128MSEP5167.E2	28-JAN-2011	11:17:22.730
EGOI_110128MSEP5191.E2	28-JAN-2011	12:57:33.854
EGOI_110128MSEP5220.E2	28-JAN-2011	22:26:31.368
EGOI_110128SGEP1070.E2	28-JAN-2011	03:11:45.236
EGOI_110128SGEP1077.E2	28-JAN-2011	04:41:38.292
EGOI_110128SGEP1084.E2	28-JAN-2011	13:59:35.730
EGOI_110128SGEP1090.E2	28-JAN-2011	15:35:55.831

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82468	28-JAN-2011	07:42:29.492	07:44:37.918	128.42600
KS	82469	28-JAN-2011	09:22:04.468	09:24:38.536	154.06800
KS	82470	28-JAN-2011	11:01:39.855	11:04:15.155	155.30000
KS	82471	28-JAN-2011	12:40:57.756	12:43:32.263	154.50700
KS	82472	28-JAN-2011	14:19:47.674	14:22:28.374	160.70000
KS	82473	28-JAN-2011	15:57:35.730	16:00:12.479	156.74900
KS	82474	28-JAN-2011	17:35:30.573	17:38:10.078	159.50500
KS	82475	28-JAN-2011	19:13:49.515	19:15:58.686	129.17100
KS	82476	28-JAN-2011	20:53:52.296	20:55:57.807	125.51100
KS	82477	28-JAN-2011	22:36:07.243	22:38:43.443	156.20000
GS	82466	28-JAN-2011	04:02:00.566	04:04:05.060	124.49400
MS	82464	28-JAN-2011	00:37:08.886	00:39:06.802	117.91600
MS	82470	28-JAN-2011	11:14:42.143	11:17:22.729	160.58600
MS	82471	28-JAN-2011	12:54:54.482	12:57:33.853	159.37100

MS	82477	28-JAN-2011	22:24:27.714	22:26:31.368	123.65400
MA	82469	28-JAN-2011	09:30:11.490	09:32:23.579	132.08900
MA	82470	28-JAN-2011	11:10:48.238	11:11:54.198	65.960000
MI	82465	28-JAN-2011	02:18:31.827	02:20:58.426	146.59900
MI	82472	28-JAN-2011	14:38:51.736	14:41:13.489	141.75300
MI	82473	28-JAN-2011	16:16:10.093	16:18:36.593	146.50000
SG	82465	28-JAN-2011	02:58:50.907	03:11:45.236	774.32900
SG	82466	28-JAN-2011	04:39:30.712	04:41:38.291	127.57900
SG	82472	28-JAN-2011	15:33:19.212	15:35:55.830	156.61800
CM	82473	28-JAN-2011	16:18:56.554	16:20:47.104	110.55000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82463	27-JAN-2011	23:49:30.006	00:03:57.671	867.66500
MM	82463	28-JAN-2011	00:00:14.942	00:11:43.834	688.89200
HO	82464	28-JAN-2011	01:30:34.563	01:42:23.042	708.47900
MM	82464	28-JAN-2011	01:42:18.689	01:51:57.641	578.95200
GS	82464	28-JAN-2011	00:46:04.003	00:54:31.451	507.44800
BE	82465	28-JAN-2011	02:47:32.342	03:00:53.104	800.76200
MM	82465	28-JAN-2011	03:25:14.753	03:32:32.467	437.71400
CM	82465	28-JAN-2011	03:54:59.375	04:07:20.822	741.44700
BE	82466	28-JAN-2011	04:27:45.142	04:38:20.588	635.44600
MM	82466	28-JAN-2011	05:08:09.539	05:13:56.966	347.42700
MI	82466	28-JAN-2011	03:56:11.600	04:09:09.713	778.11300
MM	82467	28-JAN-2011	06:49:50.806	06:56:40.287	409.48100
KS	82467	28-JAN-2011	06:03:42.194	06:09:09.295	327.10100
JO	82467	28-JAN-2011	06:31:59.943	06:40:22.497	502.55400
MM	82468	28-JAN-2011	08:30:32.651	08:39:42.282	549.63100
MA	82468	28-JAN-2011	07:52:55.989	07:59:48.145	412.15600
JO	82468	28-JAN-2011	08:07:10.618	08:22:10.394	899.77600
MM	82469	28-JAN-2011	10:10:49.740	10:21:59.205	669.46500
JO	82469	28-JAN-2011	09:49:22.541	09:59:18.319	595.77800
HO	82470	28-JAN-2011	12:00:13.469	12:13:34.692	801.22300
MM	82470	28-JAN-2011	11:50:52.516	12:03:11.827	739.31100
HO	82471	28-JAN-2011	13:39:14.261	13:53:43.826	869.56500

MM	82471	28-JAN-2011	13:30:41.561	13:43:24.723	763.16200
BE	82472	28-JAN-2011	14:04:08.723	14:17:33.420	804.69700
HO	82472	28-JAN-2011	15:20:34.188	15:28:10.324	456.13600
MM	82472	28-JAN-2011	15:10:15.062	15:22:54.660	759.59800
GS	82472	28-JAN-2011	14:31:40.463	14:42:40.360	659.89700
BE	82473	28-JAN-2011	15:46:27.012	15:55:15.535	528.52300
MM	82473	28-JAN-2011	16:49:32.526	17:02:04.494	751.96800
GS	82473	28-JAN-2011	16:10:16.277	16:24:09.137	832.86000
MM	82474	28-JAN-2011	18:28:40.683	18:41:15.552	754.86900
GS	82474	28-JAN-2011	17:50:41.615	18:00:43.196	601.58100
MM	82475	28-JAN-2011	20:07:56.762	20:20:40.043	763.28100
MA	82475	28-JAN-2011	19:11:09.647	19:18:51.434	461.78700
JO	82475	28-JAN-2011	20:27:16.998	20:42:09.371	892.37300
MM	82476	28-JAN-2011	21:47:44.268	22:00:21.007	756.73900
MA	82476	28-JAN-2011	20:45:44.018	20:59:26.702	822.68400
JO	82476	28-JAN-2011	22:07:43.404	22:19:24.482	701.07800
HO	82477	28-JAN-2011	23:18:30.917	23:32:38.471	847.55400
MM	82477	28-JAN-2011	23:28:23.818	23:40:16.716	712.89800

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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

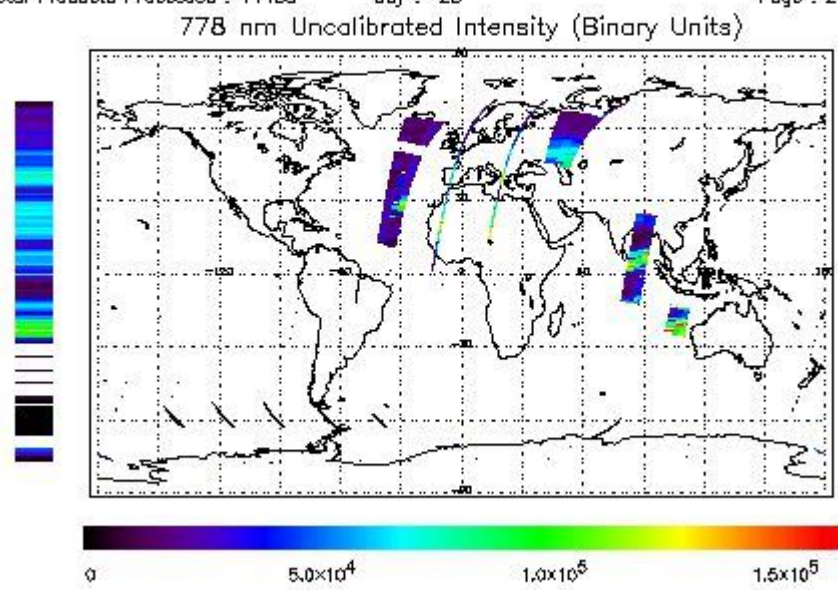
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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-JAN-2011 00:39:06.802 : ORBIT : 82464.0314
 Last Product : 28-JAN-2011 22:50:12.017 : ORBIT : 82477.2630
 Total Products Processed : 14488 Day : 28 Page : 21



Ozone Line Ratio

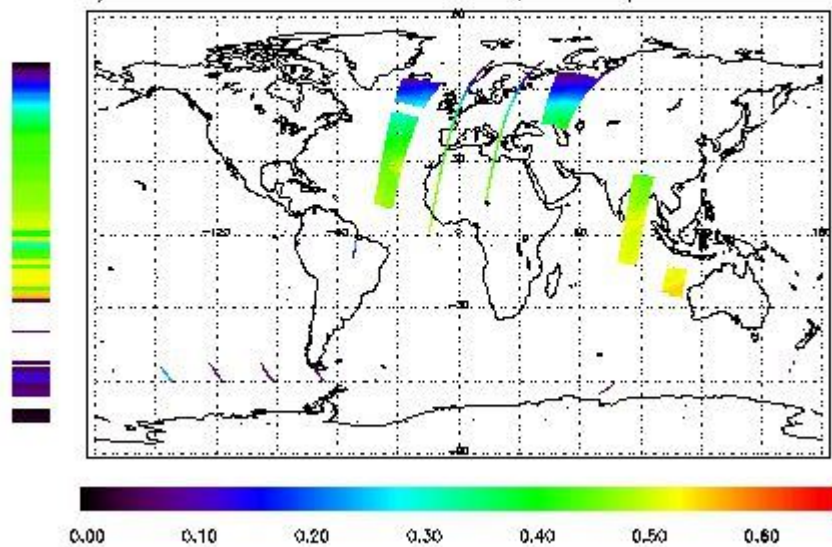
First Product : 28-JAN-2011 00:39:06.802 : ORBIT : 82464.0314

Last Product : 28-JAN-2011 22:50:12.017 : ORBIT : 82477.2630

Total Products Processed : 14488 Day : 28

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

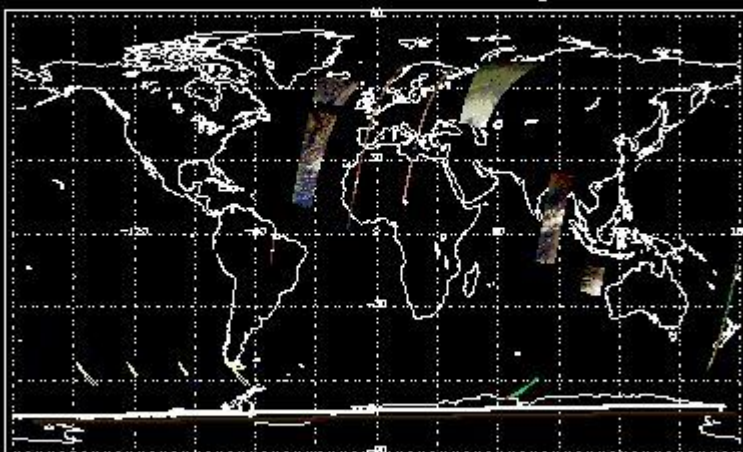
First Product : 28-JAN-2011 00:39:06.802 : ORBIT : 82464.0314

Last Product : 28-JAN-2011 22:50:12.017 : ORBIT : 82477.2630

Total Products Processed : 14488 Day : 28

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Uncalibrated PMDs as RGB Signal



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	12:49:21.802	--	82471	Yes	--	15493

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)
Q	14:32:16	14:34:07	82472	No End	--	197.0	--
Q	14:41:13	14:42:07	82472	No Start	--	197-180	--

Q	15:41:42	15:49:56	82472	No End	--	180.0	--
Q	16:02:12	16:02:34	82473	No Start	--	180.0	--
Q	16:18:37	16:22:44	82473	No Start	--	180.0	--
Q	17:38:10	17:41:07	82474	No Start	--	180.0	--
Q	18:02:24	18:03:21	82474	No Start	--	180.0	--
Q	19:15:59	19:21:42	82475	No Start	--	180.0	--
Q	20:55:58	21:02:19	82476	No Start	--	180.0	--
Q	22:38:43	22:43:00	82477	No Start	--	197.5	--

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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
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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