

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-DEC-2010
Start Time of First Product	00:12:19
Stop Time of Last Product	23:53:40
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101228CMEP2976.E2	28-DEC-2010	03:31:30.478
EGOI_101228CMEP2985.E2	28-DEC-2010	05:11:40.096
EGOI_101228CMEP2995.E2	28-DEC-2010	15:55:12.595
EGOI_101228CMEP3004.E2	28-DEC-2010	17:35:17.711
EGOI_101228GSEP2224.E2	28-DEC-2010	01:58:29.906
EGOI_101228GSEP2255.E2	28-DEC-2010	03:37:39.513
EGOI_101228GSEP2264.E2	28-DEC-2010	05:20:35.655
EGOI_101228KSEP1031.E2	28-DEC-2010	07:19:00.390
EGOI_101228KSEP1050.E2	28-DEC-2010	08:59:01.014

EGOI_101228KSEP1072.E2	28-DEC-2010	10:38:40.629
EGOI_101228KSEP1097.E2	28-DEC-2010	12:18:03.750
EGOI_101228KSEP1110.E2	28-DEC-2010	13:57:02.857
EGOI_101228KSEP1135.E2	28-DEC-2010	15:35:15.465
EGOI_101228KSEP1150.E2	28-DEC-2010	17:12:50.574
EGOI_101228KSEP1180.E2	28-DEC-2010	18:50:49.686
EGOI_101228KSEP1211.E2	28-DEC-2010	20:30:02.294
EGOI_101228KSEP1239.E2	28-DEC-2010	22:11:38.925
EGOI_101228MAEP1275.E2	28-DEC-2010	09:07:08.565
EGOI_101228MAEP1289.E2	28-DEC-2010	10:46:09.172
EGOI_101228MAEP1309.E2	28-DEC-2010	22:03:47.878
EGOI_101228MIEP9034.E2	28-DEC-2010	01:57:13.398
EGOI_101228MIEP9062.E2	28-DEC-2010	03:32:57.485
EGOI_101228MIEP9082.E2	28-DEC-2010	05:16:49.132
EGOI_101228MIEP9094.E2	28-DEC-2010	14:18:43.492
EGOI_101228MIEP9111.E2	28-DEC-2010	15:53:03.579
EGOI_101228MIEP9135.E2	28-DEC-2010	17:34:19.203
EGOI_101228MSEP1516.E2	28-DEC-2010	00:12:18.744
EGOI_101228MSEP1542.E2	28-DEC-2010	10:52:16.713
EGOI_101228MSEP1570.E2	28-DEC-2010	12:31:27.832
EGOI_101228MSEP1596.E2	28-DEC-2010	22:02:02.867
EGOI_101228MSEP1626.E2	28-DEC-2010	23:40:15.479
EGOI_101228SGEP0456.E2	28-DEC-2010	02:36:45.141
EGOI_101228SGEP0462.E2	28-DEC-2010	15:13:45.332
EGOI_101228SGEP0467.E2	28-DEC-2010	16:52:24.945

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82024	28-DEC-2010	07:16:56.444	07:19:00.389	123.94500
KS	82025	28-DEC-2010	08:56:27.191	08:59:01.013	153.82200
KS	82026	28-DEC-2010	10:36:04.298	10:38:40.629	156.33100
KS	82027	28-DEC-2010	12:15:28.424	12:18:03.750	155.32600
KS	82028	28-DEC-2010	13:54:22.760	13:57:02.857	160.09700
KS	82029	28-DEC-2010	15:32:27.911	15:35:15.465	167.55400
KS	82030	28-DEC-2010	17:10:11.824	17:12:50.573	158.74900
KS	82031	28-DEC-2010	18:48:22.593	18:50:49.685	147.09200
KS	82032	28-DEC-2010	20:27:57.733	20:30:02.294	124.56100
KS	82033	28-DEC-2010	22:09:34.439	22:11:38.925	124.48600
KS	82034	28-DEC-2010	23:54:12.980	23:55:47.073	94.093000
GS	82021	28-DEC-2010	01:56:38.007	01:58:29.905	111.89800

GS	82022	28-DEC-2010	03:35:44.445	03:37:39.513	115.06800
MS	82020	28-DEC-2010	00:10:01.881	00:12:18.743	136.86200
MS	82026	28-DEC-2010	10:49:36.089	10:52:16.712	160.62300
MS	82027	28-DEC-2010	12:28:44.394	12:31:27.831	163.43700
MS	82033	28-DEC-2010	21:59:54.647	22:02:02.866	128.21900
MS	82034	28-DEC-2010	23:37:51.891	23:40:15.478	143.58700
MA	82025	28-DEC-2010	09:05:33.914	09:07:08.564	94.650000
MA	82026	28-DEC-2010	10:44:09.313	10:46:09.172	119.85900
MA	82033	28-DEC-2010	22:01:51.333	22:03:47.877	116.54400
MI	82021	28-DEC-2010	01:54:59.949	01:57:13.398	133.44900
MI	82022	28-DEC-2010	03:30:25.780	03:32:57.484	151.70400
MI	82023	28-DEC-2010	05:14:50.828	05:16:49.131	118.30300
MI	82029	28-DEC-2010	15:50:36.075	15:53:03.579	147.50400
MI	82030	28-DEC-2010	17:31:58.110	17:34:19.203	141.09300
SG	82021	28-DEC-2010	02:34:07.149	02:36:45.141	157.99200
SG	82028	28-DEC-2010	15:07:55.120	15:13:45.331	350.21100
SG	82029	28-DEC-2010	16:49:34.409	16:52:24.945	170.53600
CM	82022	28-DEC-2010	05:10:20.861	05:11:40.096	79.235000
CM	82029	28-DEC-2010	15:53:44.697	15:55:12.595	87.898000
CM	82030	28-DEC-2010	17:33:59.123	17:35:17.710	78.587000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82020	28-DEC-2010	01:04:05.915	01:17:23.608	797.69300
MM	82020	28-DEC-2010	01:15:58.000	01:26:09.720	611.72000
BE	82021	28-DEC-2010	02:22:10.150	02:34:58.121	767.97100
MM	82021	28-DEC-2010	02:58:43.656	03:06:37.639	473.98300
CM	82021	28-DEC-2010	03:29:55.332	03:41:30.924	695.59200
BE	82022	28-DEC-2010	04:01:44.172	04:13:48.625	724.45300
MM	82022	28-DEC-2010	04:41:46.742	04:47:44.893	358.15100
SG	82022	28-DEC-2010	04:12:53.025	04:25:24.808	751.78300
MM	82023	28-DEC-2010	06:23:49.566	06:30:10.002	380.43600
MM	82024	28-DEC-2010	08:04:42.250	08:13:15.331	513.08100
JO	82024	28-DEC-2010	07:41:58.242	07:56:28.010	869.76800
MM	82025	28-DEC-2010	09:45:04.009	09:55:47.066	643.05700

JO	82025	28-DEC-2010	09:22:15.035	09:34:58.981	763.94600
HO	82026	28-DEC-2010	11:35:04.123	11:47:07.812	723.68900
MM	82026	28-DEC-2010	11:25:10.210	11:37:16.452	726.24200
HO	82027	28-DEC-2010	13:13:35.146	13:28:24.496	889.35000
MM	82027	28-DEC-2010	13:05:02.920	13:17:43.473	760.55300
HO	82028	28-DEC-2010	14:54:14.777	15:03:43.308	568.53100
MM	82028	28-DEC-2010	14:44:40.604	14:57:22.413	761.80900
GS	82028	28-DEC-2010	14:06:59.372	14:15:41.861	522.48900
SG	82028	28-DEC-2010	15:07:55.120	15:21:35.690	820.57000
BE	82029	28-DEC-2010	15:19:22.553	15:30:37.713	675.16000
MM	82029	28-DEC-2010	16:24:01.955	16:36:35.157	753.20200
GS	82029	28-DEC-2010	15:44:42.446	15:58:35.865	833.41900
MM	82030	28-DEC-2010	18:03:11.266	18:15:44.299	753.03300
GS	82030	28-DEC-2010	17:24:41.281	17:36:21.229	699.94800
MM	82031	28-DEC-2010	19:42:23.149	19:55:04.736	761.58700
MA	82031	28-DEC-2010	18:47:33.291	18:51:43.397	250.10600
JO	82031	28-DEC-2010	20:02:04.652	20:16:09.474	844.82200
MM	82032	28-DEC-2010	21:22:00.360	21:34:41.538	761.17800
MA	82032	28-DEC-2010	20:20:22.744	20:34:10.038	827.29400
JO	82032	28-DEC-2010	21:41:29.920	21:55:02.789	812.86900
HO	82033	28-DEC-2010	22:53:39.238	23:06:53.993	794.75500
MM	82033	28-DEC-2010	23:02:24.954	23:14:33.667	728.71300

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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

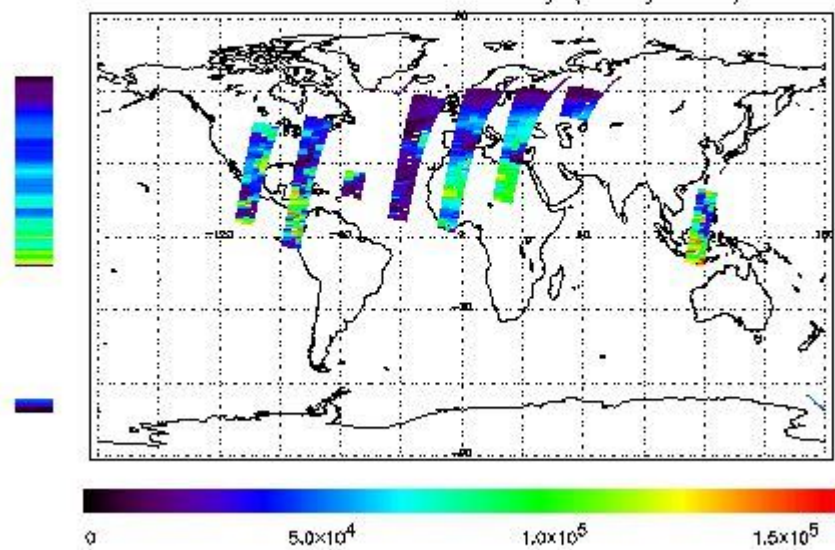
2.2 - Daily Plots

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-DEC-2010 00:12:18.744 : ORBIT : 82020.0221
 Last Product : 28-DEC-2010 23:53:39.581 : ORBIT : 82034.1510
 Total Products Processed : 18083 Day : 362 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

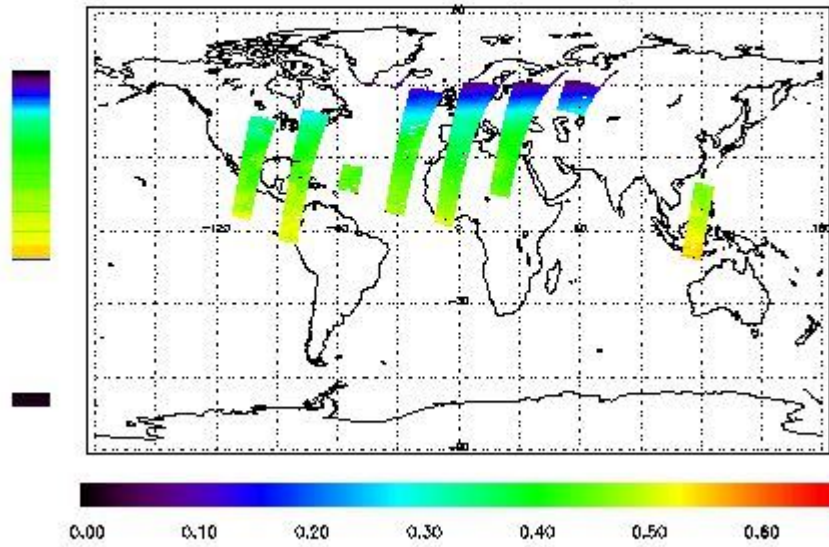


Ozone Line Ratio

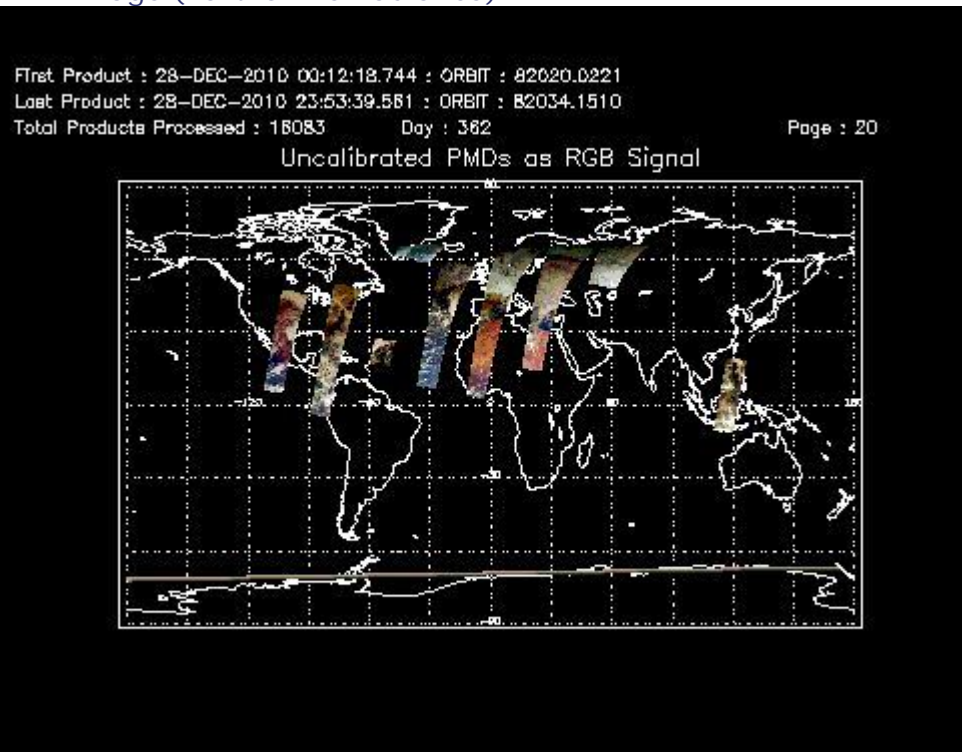
First Product : 28-DEC-2010 00:12:18.744 : ORBIT : 82020.0221
 Last Product : 28-DEC-2010 23:53:39.581 : ORBIT : 82034.1510
 Total Products Processed : 18083 Day : 382

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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	12:25:03.788	--	82027	Yes	--	15762

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
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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