

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-DEC-2010
Start Time of First Product	23:47:39 (20-Dec)
Stop Time of Last Product	22:44:31
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101221CMEP2801.E2	21-DEC-2010	03:53:36.412
EGOI_101221CMEP2807.E2	21-DEC-2010	05:32:59.527
EGOI_101221CMEP2814.E2	21-DEC-2010	16:14:50.007
EGOI_101221CMEP2825.E2	21-DEC-2010	17:56:20.631
EGOI_101221GSEP1792.E2	21-DEC-2010	02:18:07.321
EGOI_101221GSEP1817.E2	21-DEC-2010	03:58:16.939
EGOI_101221GSEP1824.E2	21-DEC-2010	05:40:47.578
EGOI_101221HLEP8812.E2	20-DEC-2010	23:47:39.378
EGOI_101221HLEP8823.E2	21-DEC-2010	13:36:08.520

EGOI_101221HLEP8834.E2	21-DEC-2010	15:17:01.650
EGOI_101221HLEP8842.E2	21-DEC-2010	21:40:55.025
EGOI_101221KSEP9419.E2	21-DEC-2010	07:38:49.802
EGOI_101221KSEP9439.E2	21-DEC-2010	09:18:56.425
EGOI_101221KSEP9462.E2	21-DEC-2010	10:58:34.542
EGOI_101221KSEP9487.E2	21-DEC-2010	12:37:53.157
EGOI_101221KSEP9497.E2	21-DEC-2010	14:16:49.274
EGOI_101221KSEP9511.E2	21-DEC-2010	15:54:37.877
EGOI_101221KSEP9537.E2	21-DEC-2010	17:32:35.490
EGOI_101221KSEP9568.E2	21-DEC-2010	19:10:21.094
EGOI_101221KSEP9599.E2	21-DEC-2010	20:50:09.715
EGOI_101221KSEP9627.E2	21-DEC-2010	22:32:14.850
EGOI_101221MAEP1046.E2	21-DEC-2010	09:26:03.972
EGOI_101221MAEP1054.E2	21-DEC-2010	11:06:12.087
EGOI_101221MAEP1071.E2	21-DEC-2010	22:24:22.302
EGOI_101221MIEP8443.E2	21-DEC-2010	02:15:32.805
EGOI_101221MIEP8464.E2	21-DEC-2010	03:53:34.908
EGOI_101221MIEP8482.E2	21-DEC-2010	14:35:55.395
EGOI_101221MIEP8510.E2	21-DEC-2010	16:12:48.495
EGOI_101221MSEP0755.E2	21-DEC-2010	00:33:18.669
EGOI_101221MSEP0776.E2	21-DEC-2010	11:11:48.125
EGOI_101221MSEP0801.E2	21-DEC-2010	12:51:39.749
EGOI_101221MSEP0829.E2	21-DEC-2010	22:20:56.776
EGOI_101221SGEP0293.E2	21-DEC-2010	03:00:52.579
EGOI_101221SGEP0301.E2	21-DEC-2010	04:39:54.690
EGOI_101221SGEP0308.E2	21-DEC-2010	13:54:58.137
EGOI_101221SGEP0314.E2	21-DEC-2010	15:30:09.225

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81924	21-DEC-2010	07:36:48.596	07:38:49.801	121.20500
KS	81925	21-DEC-2010	09:16:22.843	09:18:56.424	153.58100
KS	81926	21-DEC-2010	10:55:58.708	10:58:34.541	155.83300
KS	81927	21-DEC-2010	12:35:18.103	12:37:53.156	155.05300
KS	81928	21-DEC-2010	14:14:09.879	14:16:49.273	159.39400
KS	81929	21-DEC-2010	15:52:00.778	15:54:37.877	157.09900
KS	81930	21-DEC-2010	17:29:55.437	17:32:35.489	160.05200
KS	81931	21-DEC-2010	19:08:09.684	19:10:21.094	131.41000
KS	81932	21-DEC-2010	20:48:06.115	20:50:09.714	123.59900
KS	81933	21-DEC-2010	22:30:12.248	22:32:14.849	122.60100
GS	81921	21-DEC-2010	02:16:48.935	02:18:07.321	78.386000

GS	81922	21-DEC-2010	03:56:08.242	03:58:16.938	128.69600
MS	81920	21-DEC-2010	00:31:01.769	00:33:18.669	136.90000
MS	81926	21-DEC-2010	11:09:05.067	11:11:48.125	163.05800
MS	81927	21-DEC-2010	12:49:04.847	12:51:39.749	154.90200
MS	81933	21-DEC-2010	22:18:57.673	22:20:56.775	119.10200
MA	81925	21-DEC-2010	09:24:32.321	09:26:03.971	91.650000
MA	81926	21-DEC-2010	11:04:58.451	11:06:12.086	73.635000
MI	81921	21-DEC-2010	02:13:12.137	02:15:32.804	140.66700
MI	81922	21-DEC-2010	03:50:25.780	03:53:34.908	189.12800
MI	81928	21-DEC-2010	14:33:37.239	14:35:55.394	138.15500
MI	81929	21-DEC-2010	16:10:27.786	16:12:48.495	140.70900
SG	81921	21-DEC-2010	02:53:18.268	03:00:52.578	454.31000
SG	81922	21-DEC-2010	04:33:31.446	04:39:54.690	383.24400
SG	81928	21-DEC-2010	15:27:38.352	15:30:09.225	150.87300
CM	81929	21-DEC-2010	16:13:18.474	16:14:50.007	91.533000
CM	81930	21-DEC-2010	17:55:12.658	17:56:20.630	67.972000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	81919	20-DEC-2010	23:54:26.980	00:06:00.624	693.64400
HO	81920	21-DEC-2010	01:24:35.966	01:36:51.814	735.84800
MM	81920	21-DEC-2010	01:36:27.091	01:46:13.555	586.46400
GS	81920	21-DEC-2010	00:40:47.641	00:48:39.814	472.17300
BE	81921	21-DEC-2010	02:41:53.107	02:55:09.469	796.36200
MM	81921	21-DEC-2010	03:19:21.110	03:26:46.710	445.60000
CM	81921	21-DEC-2010	03:49:22.530	04:01:38.357	735.82700
BE	81922	21-DEC-2010	04:21:57.054	04:32:55.760	658.70600
MM	81922	21-DEC-2010	05:02:18.265	05:08:07.094	348.82900
MM	81923	21-DEC-2010	06:44:04.231	06:50:46.739	402.50800
KS	81923	21-DEC-2010	05:58:10.511	06:02:58.017	287.50600
JO	81923	21-DEC-2010	06:26:57.000	06:34:15.821	438.82100
MM	81924	21-DEC-2010	08:24:48.258	08:33:49.880	541.62200
JO	81924	21-DEC-2010	08:01:32.546	08:16:28.824	896.27800
MM	81925	21-DEC-2010	10:05:06.325	10:16:10.216	663.89100
JO	81925	21-DEC-2010	09:43:15.597	09:53:58.614	643.01700

HO	81926	21-DEC-2010	11:54:36.307	12:07:41.223	784.91600
MM	81926	21-DEC-2010	11:45:09.858	11:57:26.541	736.68300
HO	81927	21-DEC-2010	13:33:31.639	13:48:11.181	879.54200
MM	81927	21-DEC-2010	13:24:59.728	13:37:42.483	762.75500
BE	81928	21-DEC-2010	13:58:29.208	14:11:52.266	803.05800
HO	81928	21-DEC-2010	15:14:42.020	15:22:49.046	487.02600
MM	81928	21-DEC-2010	15:04:34.168	15:17:14.289	760.12100
GS	81928	21-DEC-2010	14:26:08.555	14:36:54.931	646.37600
BE	81929	21-DEC-2010	15:40:21.418	15:49:50.676	569.25800
MM	81929	21-DEC-2010	16:43:52.463	16:56:24.640	752.17700
GS	81929	21-DEC-2010	16:04:34.888	16:18:29.908	835.02000
MM	81930	21-DEC-2010	18:23:00.784	18:35:35.197	754.41300
MI	81930	21-DEC-2010	17:53:58.536	17:57:06.999	188.46300
GS	81930	21-DEC-2010	17:44:53.902	17:55:20.338	626.43600
MM	81931	21-DEC-2010	20:02:15.792	20:14:58.766	762.97400
MA	81931	21-DEC-2010	19:05:58.018	19:12:57.325	419.30700
JO	81931	21-DEC-2010	20:21:39.429	20:36:24.913	885.48400
MM	81932	21-DEC-2010	21:42:00.886	21:54:38.818	757.93200
MA	81932	21-DEC-2010	20:40:04.381	20:53:45.586	821.20500
JO	81932	21-DEC-2010	22:01:51.688	22:14:02.754	731.06600
HO	81933	21-DEC-2010	23:12:57.425	23:26:55.896	838.47100
MM	81933	21-DEC-2010	23:22:37.037	23:34:33.742	716.70500
MS	81934	21-DEC-2010	23:58:14.332	00:10:28.141	733.80900

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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

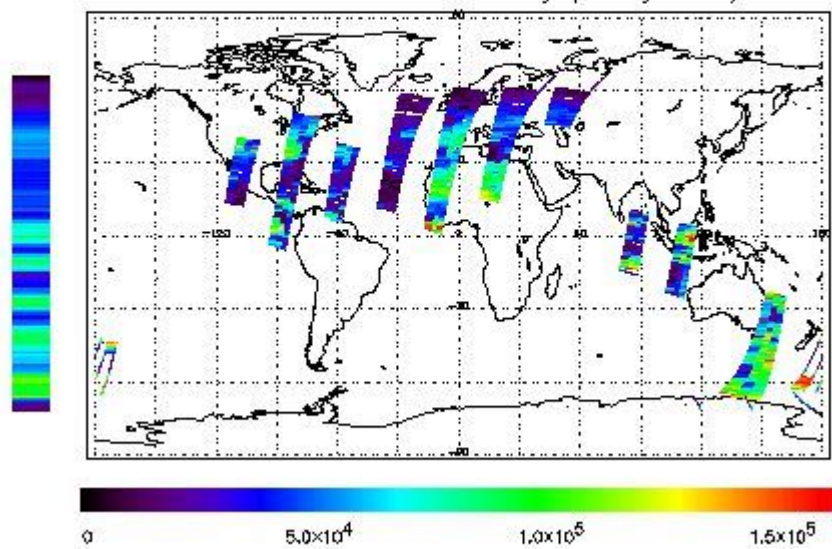
2.2 - Daily Plots

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 : 20-DEC-2010 23:47:39.378 : ORBIT : 81919.5770
 Last Product : 21-DEC-2010 22:44:31.424 : ORBIT : 81933.2638
 Total Products Processed : 16858 Day : 355 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

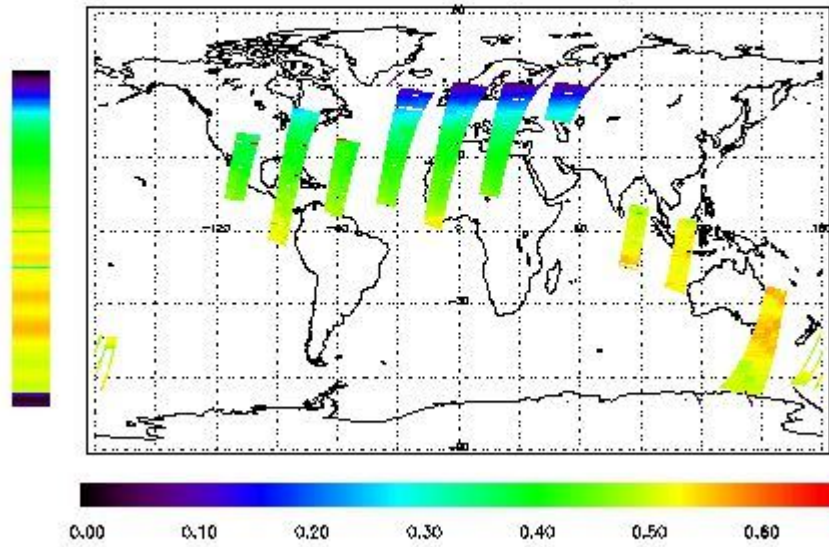


Ozone Line Ratio

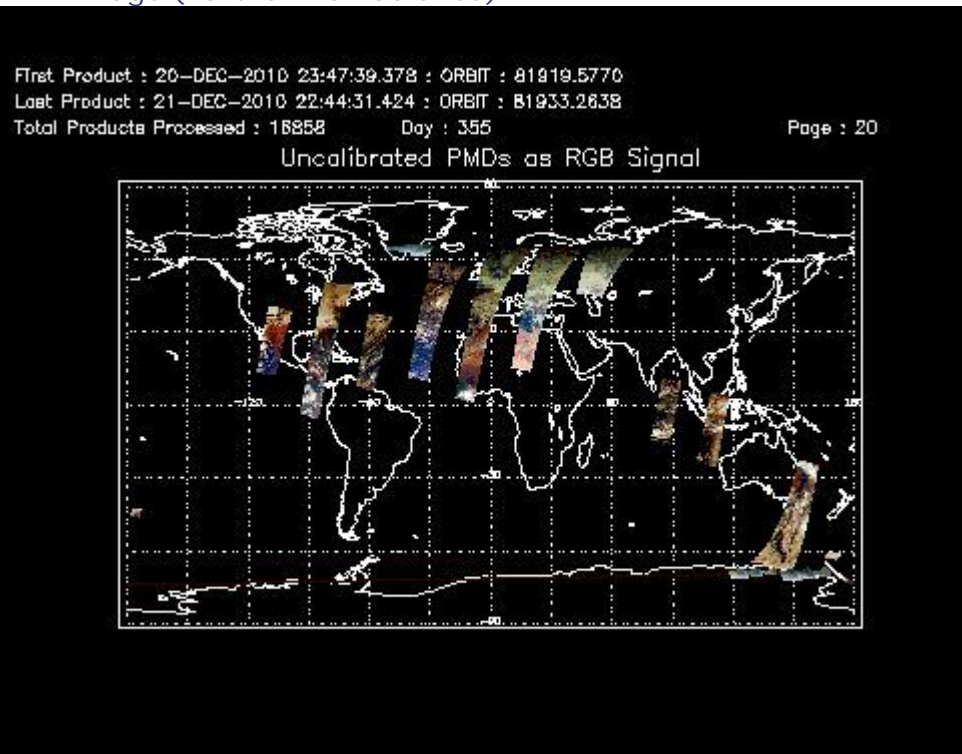
First Product : 20-DEC-2010 23:47:39.378 : ORBIT : 81919.5770
 Last Product : 21-DEC-2010 22:44:31.424 : ORBIT : 81933.2638
 Total Products Processed : 18858 Day : 355

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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	12:45:12.704	--	81927	Yes	--	15791

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