GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-NOV-2010
Start Time of First Product	00:32:52
Stop Time of Last Product	22:44:27
Number of EGOI Products analysed	25
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101116CMEP1754.E2	16-NOV-2010	03:53:30.483
EGOI_101116CMEP1760.E2	16-NOV-2010	05:32:46.090
EGOI_101116CMEP1767.E2	16-NOV-2010	16:14:44.067
EGOI_101116CMEP1777.E2	16-NOV-2010	17:56:20.698
EGOI_101116KSEP0390.E2	16-NOV-2010	07:38:39.372
EGOI_101116KSEP0410.E2	16-NOV-2010	09:18:51.994
EGOI_101116KSEP0433.E2	16-NOV-2010	10:58:30.110
EGOI_101116KSEP0462.E2	16-NOV-2010	12:37:48.725
EGOI_101116KSEP0485.E2	16-NOV-2010	14:16:44.837

EGOI_101116KSEP0497.E2	16-NOV-2010	15:54:33.449
EGOI_101116KSEP0522.E2	16-NOV-2010	17:32:29.549
EGOI_101116KSEP0553.E2	16-NOV-2010	19:10:15.157
EGOI_101116KSEP0584.E2	16-NOV-2010	20:50:05.280
EGOI_101116KSEP0612.E2	16-NOV-2010	22:32:08.908
EGOI_101116MAEP9740.E2	16-NOV-2010	09:26:11.537
EGOI_101116MAEP9749.E2	16-NOV-2010	11:06:06.155
EGOI_101116MAEP9767.E2	16-NOV-2010	22:24:16.359
EGOI_101116MSEP6683.E2	16-NOV-2010	00:32:51.736
EGOI_101116MSEP6704.E2	16-NOV-2010	11:11:42.188
EGOI_101116MSEP6729.E2	16-NOV-2010	12:51:36.809
EGOI_101116MSEP6758.E2	16-NOV-2010	22:20:46.337
EGOI_101116SGEP9436.E2	16-NOV-2010	02:55:54.119
EGOI_101116SGEP9443.E2	16-NOV-2010	04:35:35.241
EGOI_101116SGEP9450.E2	16-NOV-2010	13:54:59.704
EGOI_101116SGEP9457.E2	16-NOV-2010	15:30:03.292

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81423	16-NOV-2010	07:36:48.596	07:38:39.371	110.77500
KS	81424	16-NOV-2010	09:16:22.842	09:18:51.993	149.15100
KS	81425	16-NOV-2010	10:55:58.708	10:58:30.110	151.40200
KS	81426	16-NOV-2010	12:35:18.103	12:37:48.725	150.62200
KS	81427	16-NOV-2010	14:14:09.879	14:16:44.836	154.95700
KS	81428	16-NOV-2010	15:52:00.778	15:54:33.448	152.67000
KS	81429	16-NOV-2010	17:29:55.437	17:32:29.549	154.11200
KS	81430	16-NOV-2010	19:08:09.684	19:10:15.156	125.47200
KS	81431	16-NOV-2010	20:48:06.114	20:50:05.280	119.16600
KS	81432	16-NOV-2010	22:30:12.248	22:32:08.908	116.66000
MS	81419	16-NOV-2010	00:31:01.769	00:32:51.736	109.96700
MS	81425	16-NOV-2010	11:09:05.067	11:11:42.187	157.12000
MS	81426	16-NOV-2010	12:49:04.847	12:51:36.808	151.96100
MS	81432	16-NOV-2010	22:18:57.673	22:20:46.336	108.66300
MA	81424	16-NOV-2010	09:24:32.320	09:26:11.536	99.216000
MA	81425	16-NOV-2010	11:04:58.451	11:06:06.154	67.703000
SG	81420	16-NOV-2010	02:53:18.268	02:55:54.118	155.85000
SG	81420	16-NOV-2010	03:03:28.664	03:06:25.057	176.39300
SG	81421	16-NOV-2010	04:33:31.446	04:35:35.240	123.79400
SG	81427	16-NOV-2010	15:27:38.352	15:30:03.292	144.94000

CM	81428	16-NOV-2010	16:13:18.474	16:14:44.067	85.593000
CM	81429	16-NOV-2010	17:55:12.658	17:56:20.698	68.040000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	81418	15-NOV-2010	23:54:26.980	00:06:00.624	693.64400
HO	81419	16-NOV-2010	01:24:35.966	01:36:51.814	735.84800
MM	81419	16-NOV-2010	01:36:27.091	01:46:13.555	586.46400
GS	81419	16-NOV-2010	00:40:47.641	00:48:39.814	472.17300
BE	81420	16-NOV-2010	02:41:53.107	02:55:09.469	796.36200
MM	81420	16-NOV-2010	03:19:21.110	03:26:46.710	445.60000
MI	81420	16-NOV-2010	02:13:12.137	02:23:00.785	588.64800
GS	81420	16-NOV-2010	02:16:48.935	02:29:37.766	768.83100
CM	81420	16-NOV-2010	03:49:22.530	04:01:38.357	735.82700
BE	81421	16-NOV-2010	04:21:57.054	04:32:55.760	658.70600
MM	81421	16-NOV-2010	05:02:18.265	05:08:07.094	348.82900
MI	81421	16-NOV-2010	03:50:25.780	04:03:33.320	787.54000
GS	81421	16-NOV-2010	03:56:08.242	04:08:45.842	757.60000
MM	81422	16-NOV-2010	06:44:04.231	06:50:46.739	402.50800
KS	81422	16-NOV-2010	05:58:10.511	06:02:58.017	287.50600
JO	81422	16-NOV-2010	06:26:57.000	06:34:15.821	438.82100
MM	81423	16-NOV-2010	08:24:48.258	08:33:49.880	541.62200
JO	81423	16-NOV-2010	08:01:32.546	08:16:28.824	896.27800
MM	81424	16-NOV-2010	10:05:06.324	10:16:10.215	663.89100
JO	81424	16-NOV-2010	09:43:15.596	09:53:58.613	643.01700
HO	81425	16-NOV-2010	11:54:36.307	12:07:41.223	784.91600
MM	81425	16-NOV-2010	11:45:09.858	11:57:26.541	736.68300
HO	81426	16-NOV-2010	13:33:31.639	13:48:11.181	879.54200
MM	81426	16-NOV-2010	13:24:59.728	13:37:42.483	762.75500
BE	81427	16-NOV-2010	13:58:29.208	14:11:52.266	803.05800
HO	81427	16-NOV-2010	15:14:42.020	15:22:49.046	487.02600
MM	81427	16-NOV-2010	15:04:34.168	15:17:14.289	760.12100
MI	81427	16-NOV-2010	14:33:37.239	14:41:23.050	465.81100
GS	81427	16-NOV-2010	14:26:08.555	14:36:54.931	646.37600
BE	81428	16-NOV-2010	15:40:21.418	15:49:50.676	569.25800

MM	81428	16-NOV-2010	16:43:52.463	16:56:24.640	752.17700
MI	81428	16-NOV-2010	16:10:27.786	16:23:46.399	798.61300
GS	81428	16-NOV-2010	16:04:34.888	16:18:29.908	835.02000
MM	81429	16-NOV-2010	18:23:00.784	18:35:35.197	754.41300
MI	81429	16-NOV-2010	17:53:58.536	17:57:06.999	188.46300
GS	81429	16-NOV-2010	17:44:53.902	17:55:20.338	626.43600
MM	81430	16-NOV-2010	20:02:15.792	20:14:58.766	762.97400
MA	81430	16-NOV-2010	19:05:58.018	19:12:57.325	419.30700
JO	81430	16-NOV-2010	20:21:39.429	20:36:24.913	885.48400
MM	81431	16-NOV-2010	21:42:00.885	21:54:38.817	757.93200
MA	81431	16-NOV-2010	20:40:04.380	20:53:45.585	821.20500
JO	81431	16-NOV-2010	22:01:51.687	22:14:02.753	731.06600
HO	81432	16-NOV-2010	23:12:57.425	23:26:55.896	838.47100
MM	81432	16-NOV-2010	23:22:37.037	23:34:33.742	716.70500
MS	81433	16-NOV-2010	23:58:14.332	00:10:28.141	733.80900

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

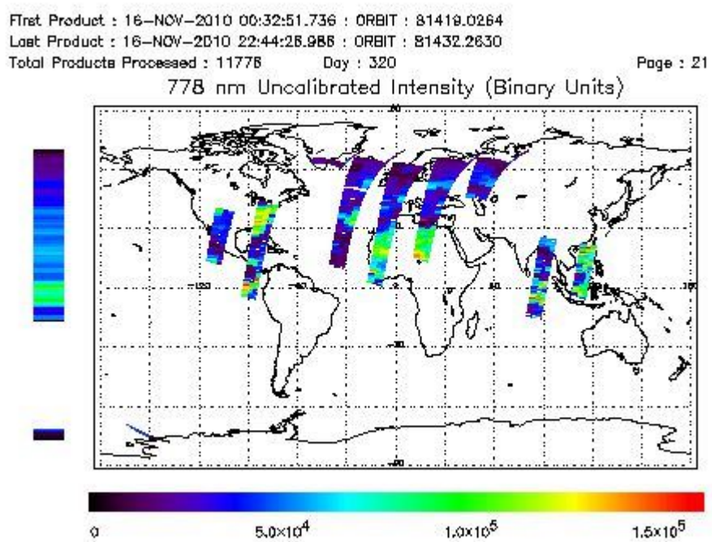
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

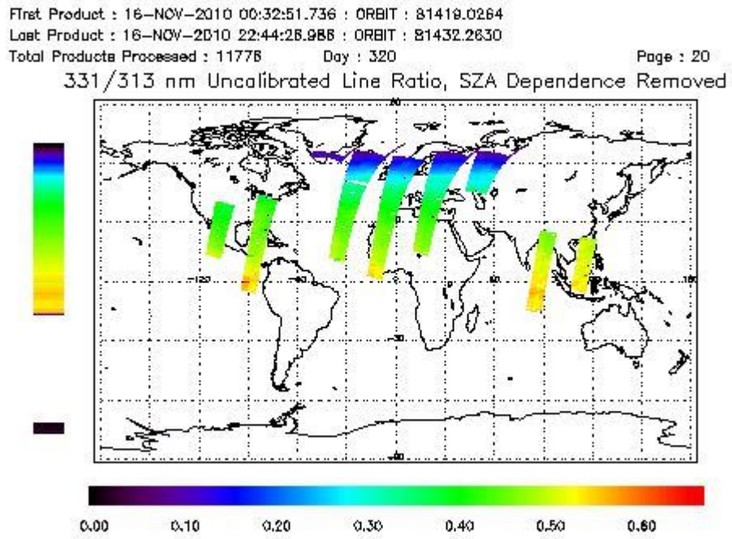
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

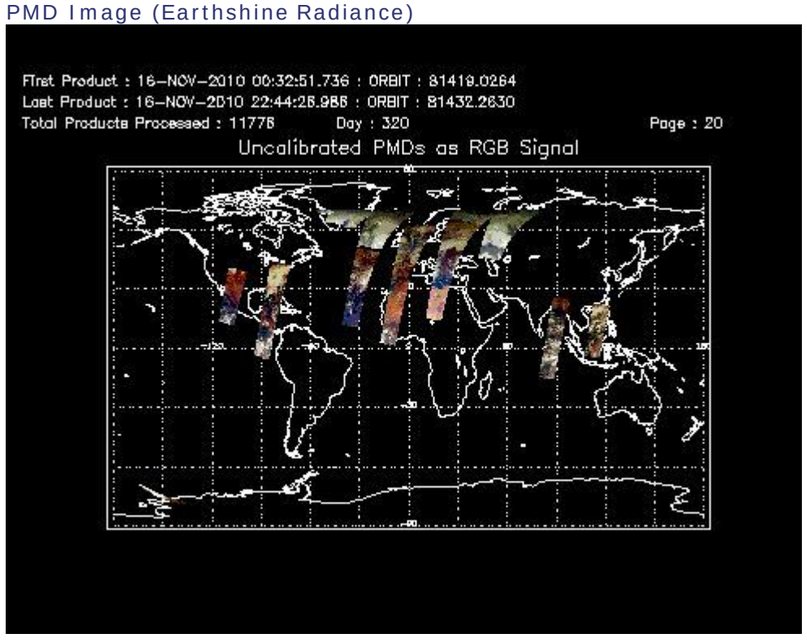
NEAR IR Intensity



Ozone Line Ratio



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	11:03:04.640	--	81425	Yes	--	15574

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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(1)

[BACK TO MENU]

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