GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-DEC-2010
Start Time of First Product	00:21:18
Stop Time of Last Product	22:33:07
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow swath continued from previous day, stop orbit 81841

1.2 - List of received products

Name	Date	Time
EGOI_101215CMEP2626.E2	15-DEC-2010	03:39:41.210
EGOI_101215CMEP2635.E2	15-DEC-2010	05:20:41.833
EGOI_101215CMEP2644.E2	15-DEC-2010	16:03:36.824
EGOI_101215CMEP2651.E2	15-DEC-2010	17:47:25.465
EGOI_101215GSEP1306.E2	15-DEC-2010	02:06:49.630
EGOI_101215GSEP1333.E2	15-DEC-2010	03:46:21.745
EGOI_101215GSEP1342.E2	15-DEC-2010	05:29:11.892
EGOI_101215GSEP1352.E2	07-NOV-2010	05:23:19.552
EGOI_101215GSEP1361.E2	08-NOV-2010	04:51:46.257

EGOI_101215GSEP1368.E2	09-NOV-2010	06:01:03.081
EGOI_101215GSEP1374.E2	10-NOV-2010	05:29:05.787
EGOI_101215KSEP7902.E2	15-DEC-2010	07:27:36.621
EGOI_101215KSEP7918.E2	15-DEC-2010	09:09:01.252
EGOI_101215KSEP7939.E2	15-DEC-2010	10:47:12.360
EGOI_101215KSEP7966.E2	15-DEC-2010	12:26:33.975
EGOI_101215KSEP7979.E2	15-DEC-2010	14:05:30.088
EGOI_101215KSEP8005.E2	15-DEC-2010	15:43:30.695
EGOI_101215KSEP8020.E2	15-DEC-2010	17:21:20.804
EGOI_101215KSEP8050.E2	15-DEC-2010	18:59:07.911
EGOI_101215KSEP8080.E2	15-DEC-2010	20:38:37.028
EGOI_101215KSEP8108.E2	15-DEC-2010	22:20:37.659
EGOI_101215MAEP0842.E2	15-DEC-2010	09:14:40.282
EGOI_101215MAEP0850.E2	15-DEC-2010	10:55:24.406
EGOI_101215MIEP7912.E2	15-DEC-2010	02:04:58.619
EGOI_101215MIEP7934.E2	15-DEC-2010	03:41:24.718
EGOI_101215MIEP7954.E2	15-DEC-2010	14:25:40.713
EGOI_101215MIEP7970.E2	15-DEC-2010	16:01:29.309
EGOI_101215MIEP7989.E2	15-DEC-2010	17:43:23.937
EGOI_101215MSEP0033.E2	15-DEC-2010	00:21:18.976
EGOI_101215MSEP0056.E2	15-DEC-2010	11:00:27.443
EGOI_101215MSEP0083.E2	15-DEC-2010	12:39:56.559
EGOI_101215MSEP0114.E2	15-DEC-2010	22:10:15.097
EGOI_101215SGEP0170.E2	15-DEC-2010	02:44:21.365
EGOI_101215SGEP0176.E2	15-DEC-2010	04:23:44.476
EGOI_101215SGEP0185.E2	15-DEC-2010	17:01:53.683

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81838	15-DEC-2010	07:25:27.158	07:27:36.620	129.46200
KS	81839	15-DEC-2010	09:04:59.600	09:09:01.252	241.65200
KS	81840	15-DEC-2010	10:44:36.258	10:47:12.359	156.10100
KS	81841	15-DEC-2010	12:23:58.451	12:26:33.974	155.52300
KS	81842	15-DEC-2010	14:02:51.923	14:05:30.087	158.16400
KS	81843	15-DEC-2010	15:40:50.685	15:43:30.695	160.01000
KS	81844	15-DEC-2010	17:18:41.013	17:21:20.803	159.79000
KS	81845	15-DEC-2010	18:56:50.917	18:59:07.911	136.99400
KS	81846	15-DEC-2010	20:36:35.001	20:38:37.028	122.02700
KS	81847	15-DEC-2010	22:18:24.064	22:20:37.658	133.59400
GS	81835	15-DEC-2010	02:04:57.406	02:06:49.629	112.22300
GS	81836	15-DEC-2010	03:44:27.247	03:46:21.744	114.49700

MS	81834	15-DEC-2010	00:18:57.896	00:21:18.976	141.08000
MS	81840	15-DEC-2010	10:57:45.880	11:00:27.443	161.56300
MS	81841	15-DEC-2010	12:37:22.160	12:39:56.559	154.39900
MS	81847	15-DEC-2010	22:08:02.040	22:10:15.097	133.05700
MS	81848	15-DEC-2010	23:46:33.576	23:48:53.212	139.63600
MA	81839	15-DEC-2010	09:13:33.780	09:14:40.281	66.501000
MA	81840	15-DEC-2010	10:52:48.330	10:55:24.405	156.07500
MI	81835	15-DEC-2010	02:02:41.705	02:04:58.619	136.91400
MI	81836	15-DEC-2010	03:38:58.146	03:41:24.718	146.57200
MI	81842	15-DEC-2010	14:23:33.685	14:25:40.712	127.02700
MI	81843	15-DEC-2010	15:59:05.586	16:01:29.309	143.72300
MI	81844	15-DEC-2010	17:41:07.339	17:43:23.937	136.59800
SG	81835	15-DEC-2010	02:42:17.751	02:44:21.364	123.61300
SG	81836	15-DEC-2010	04:21:40.696	04:23:44.475	123.77900
SG	81843	15-DEC-2010	16:58:57.586	17:01:53.683	176.09700
CM	81835	15-DEC-2010	03:38:13.234	03:39:41.209	87.975000
CM	81837	15-DEC-2010	05:19:28.212	05:20:41.832	73.620000
CM	81843	15-DEC-2010	16:02:05.824	16:03:36.824	91.000000
CM	81844	15-DEC-2010	17:42:57.964	17:47:25.464	267.50000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81834	15-DEC-2010	01:12:47.824	01:25:45.765	777.94100
MM	81834	15-DEC-2010	01:24:44.461	01:34:45.563	601.10200
BE	81835	15-DEC-2010	02:30:36.246	02:43:38.970	782.72400
MM	81835	15-DEC-2010	03:07:33.916	03:15:15.619	461.70300
CM	81835	15-DEC-2010	03:38:13.234	03:50:10.140	716.90600
BE	81836	15-DEC-2010	04:10:23.043	04:22:02.094	699.05100
MM	81836	15-DEC-2010	04:50:34.911	04:56:28.251	353.34000
MM	81837	15-DEC-2010	06:32:30.467	06:38:59.874	389.40700
MM	81838	15-DEC-2010	08:13:19.238	08:22:04.632	525.39400
JO	81838	15-DEC-2010	07:50:19.782	08:05:03.671	883.88900
MM	81839	15-DEC-2010	09:53:39.357	10:04:31.592	652.23500
JO	81839	15-DEC-2010	09:31:11.500	09:43:10.588	719.08800
MM	81840	15-DEC-2010	11:33:44.410	11:45:55.367	730.95700

MM	81841	15-DEC-2010	13:13:35.911	13:26:17.562	761.65100
HO	81842	15-DEC-2010	15:03:00.416	15:11:56.324	535.90800
MM	81842	15-DEC-2010	14:53:12.215	15:05:53.335	761.12000
GS	81842	15-DEC-2010	14:15:08.987	14:24:51.348	582.36100
SG	81842	15-DEC-2010	15:16:20.330	15:30:09.961	829.63100
BE	81843	15-DEC-2010	15:28:18.720	15:38:54.298	635.57800
MM	81843	15-DEC-2010	16:32:32.231	16:45:04.939	752.70800
GS	81843	15-DEC-2010	15:53:13.017	16:07:08.897	835.88000
SG	81843	15-DEC-2010	16:58:57.586	17:05:41.353	403.76700
MM	81844	15-DEC-2010	18:11:41.040	18:24:14.621	753.58100
GS	81844	15-DEC-2010	17:33:20.234	17:44:31.056	670.82200
MM	81845	15-DEC-2010	19:50:54.146	20:03:36.380	762.23400
MA	81845	15-DEC-2010	18:55:53.081	19:00:17.539	264.45800
JO	81845	15-DEC-2010	20:10:26.762	20:24:52.332	865.57000
MM	81846	15-DEC-2010	21:30:34.626	21:43:14.583	759.95700
MA	81846	15-DEC-2010	20:28:47.809	20:42:32.303	824.49400
JO	81846	15-DEC-2010	21:50:11.972	22:03:13.771	781.79900
HO	81847	15-DEC-2010	23:01:58.890	23:15:29.546	810.65600
MM	81847	15-DEC-2010	23:11:04.105	23:23:07.921	723.81600
MA	81847	15-DEC-2010	22:11:22.163	22:20:55.032	572.86900

[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

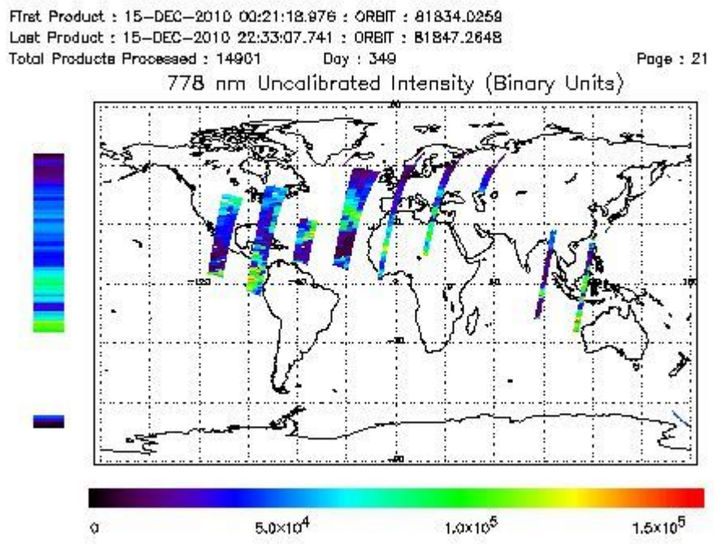
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK

Integration Times Band 4	OK
Scan Mirror position	Polar View operated
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

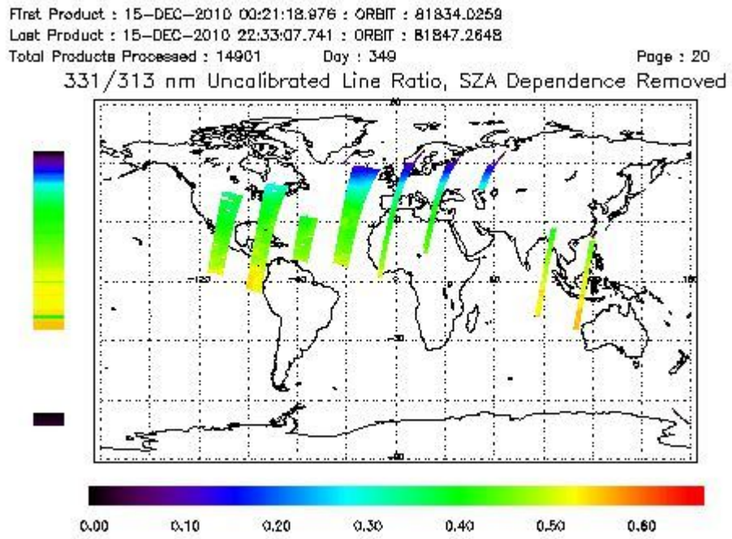
2.2 - Daily Plots

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

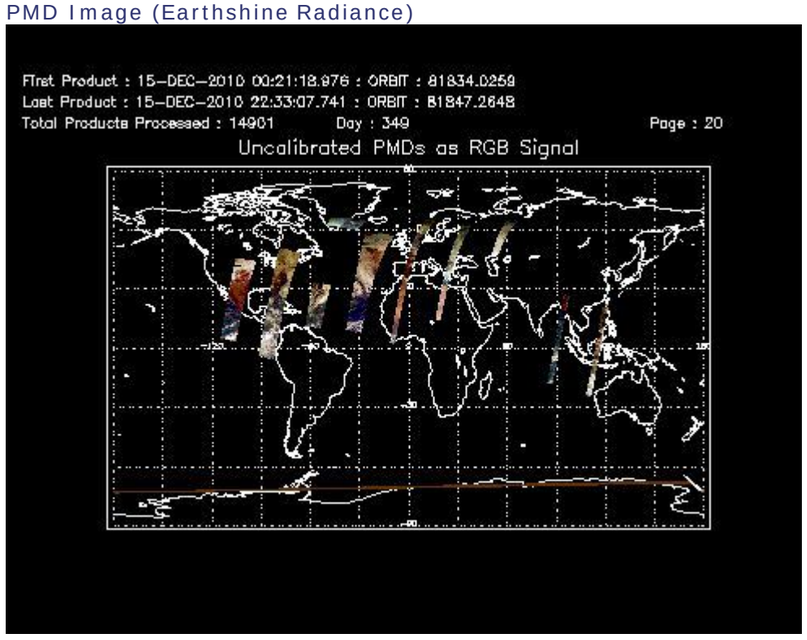
NEAR IR Intensity



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	12:33:35.518	--	81841	Yes	--	15801

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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[BACK TO MENU]

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
14:00	12:00	81828	81841

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

[BACK TO MENU]

(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