GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-NOV-2010
Start Time of First Product	00:38:55
Stop Time of Last Product	22:50:07
Number of EGOI Products analysed	29
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101119CMEP1854.E2	19-NOV-2010	02:23:22.183
EGOI_101119CMEP1861.E2	19-NOV-2010	03:59:16.774
EGOI_101119CMEP1868.E2	19-NOV-2010	05:39:15.893
EGOI_101119CMEP1873.E2	19-NOV-2010	16:20:22.866
EGOI_101119CMEP1885.E2	19-NOV-2010	18:02:52.001
EGOI_101119KSEP1164.E2	19-NOV-2010	07:44:31.675
EGOI_101119KSEP1187.E2	19-NOV-2010	09:24:33.786
EGOI_101119KSEP1215.E2	19-NOV-2010	11:04:11.909
EGOI_101119KSEP1244.E2	19-NOV-2010	12:43:27.525

EGOI_101119KSEP1271.E2	19-NOV-2010	14:22:22.133
EGOI_101119KSEP1288.E2	19-NOV-2010	16:00:09.237
EGOI_101119KSEP1313.E2	19-NOV-2010	17:38:05.345
EGOI_101119KSEP1344.E2	19-NOV-2010	19:15:53.952
EGOI_101119KSEP1375.E2	19-NOV-2010	20:55:53.072
EGOI_101119KSEP1402.E2	19-NOV-2010	22:38:01.206
EGOI_101119MAEP9866.E2	19-NOV-2010	09:31:41.333
EGOI_101119MAEP9879.E2	19-NOV-2010	11:11:52.452
EGOI_101119MAEP9895.E2	19-NOV-2010	22:30:19.159
EGOI_101119MIEP5638.E2	19-NOV-2010	02:20:50.667
EGOI_101119MIEP5659.E2	19-NOV-2010	03:59:16.774
EGOI_101119MIEP5679.E2	19-NOV-2010	14:41:07.246
EGOI_101119MIEP5705.E2	19-NOV-2010	16:18:28.854
EGOI_101119MSEP7034.E2	19-NOV-2010	00:38:54.535
EGOI_101119MSEP7058.E2	19-NOV-2010	11:17:16.484
EGOI_101119MSEP7083.E2	19-NOV-2010	12:57:27.608
EGOI_101119MSEP7111.E2	19-NOV-2010	22:26:26.636
EGOI_101119SGEP9520.E2	19-NOV-2010	04:41:27.536
EGOI_101119SGEP9526.E2	19-NOV-2010	13:59:38.496
EGOI_101119SGEP9532.E2	19-NOV-2010	15:35:52.588

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81466	19-NOV-2010	07:42:29.491	07:44:31.675	122.18400
KS	81467	19-NOV-2010	09:22:04.468	09:24:33.786	149.31800
KS	81468	19-NOV-2010	11:01:39.855	11:04:11.908	152.05300
KS	81469	19-NOV-2010	12:40:57.756	12:43:27.524	149.76800
KS	81470	19-NOV-2010	14:19:47.674	14:22:22.132	154.45800
KS	81471	19-NOV-2010	15:57:35.730	16:00:09.236	153.50600
KS	81472	19-NOV-2010	17:35:30.572	17:38:05.345	154.77300
KS	81473	19-NOV-2010	19:13:49.514	19:15:53.951	124.43700
KS	81474	19-NOV-2010	20:53:52.296	20:55:53.072	120.77600
KS	81475	19-NOV-2010	22:36:07.243	22:38:01.205	113.96200
MS	81462	19-NOV-2010	00:37:08.886	00:38:54.535	105.64900
MS	81468	19-NOV-2010	11:14:42.143	11:17:16.483	154.34000
MS	81469	19-NOV-2010	12:54:54.482	12:57:27.607	153.12500
MS	81475	19-NOV-2010	22:24:27.714	22:26:26.636	118.92200
MA	81467	19-NOV-2010	09:30:11.490	09:31:41.332	89.842000
MA	81468	19-NOV-2010	11:10:48.238	11:11:52.451	64.213000

MI	81463	19-NOV-2010	02:18:31.827	02:20:50.667	138.84000
MI	81464	19-NOV-2010	03:56:11.600	03:59:16.773	185.17300
MI	81470	19-NOV-2010	14:38:51.736	14:41:07.245	135.50900
MI	81471	19-NOV-2010	16:16:10.093	16:18:28.853	138.76000
SG	81464	19-NOV-2010	04:39:30.712	04:41:27.535	116.82300
SG	81464	19-NOV-2010	04:43:09.543	04:49:41.105	391.56200
SG	81470	19-NOV-2010	15:33:19.212	15:35:52.587	153.37500
CM	81471	19-NOV-2010	16:18:56.554	16:20:22.866	86.312000
CM	81472	19-NOV-2010	18:01:33.963	18:02:52.001	78.038000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81461	18-NOV-2010	23:49:30.006	00:03:57.671	867.66500
MM	81461	19-NOV-2010	00:00:14.942	00:11:43.834	688.89200
HO	81462	19-NOV-2010	01:30:34.563	01:42:23.042	708.47900
MM	81462	19-NOV-2010	01:42:18.689	01:51:57.641	578.95200
GS	81462	19-NOV-2010	00:46:04.003	00:54:31.451	507.44800
BE	81463	19-NOV-2010	02:47:32.342	03:00:53.104	800.76200
MM	81463	19-NOV-2010	03:25:14.753	03:32:32.467	437.71400
GS	81463	19-NOV-2010	02:22:54.481	02:35:20.359	745.87800
SG	81463	19-NOV-2010	02:58:50.907	03:12:12.090	801.18300
BE	81464	19-NOV-2010	04:27:45.142	04:38:20.588	635.44600
MM	81464	19-NOV-2010	05:08:09.539	05:13:56.966	347.42700
GS	81464	19-NOV-2010	04:02:00.566	04:14:21.580	741.01400
MM	81465	19-NOV-2010	06:49:50.805	06:56:40.286	409.48100
KS	81465	19-NOV-2010	06:03:42.193	06:09:09.294	327.10100
JO	81465	19-NOV-2010	06:31:59.942	06:40:22.496	502.55400
MM	81466	19-NOV-2010	08:30:32.650	08:39:42.281	549.63100
MA	81466	19-NOV-2010	07:52:55.988	07:59:48.144	412.15600
JO	81466	19-NOV-2010	08:07:10.617	08:22:10.393	899.77600
MM	81467	19-NOV-2010	10:10:49.740	10:21:59.205	669.46500
JO	81467	19-NOV-2010	09:49:22.541	09:59:18.319	595.77800
HO	81468	19-NOV-2010	12:00:13.469	12:13:34.692	801.22300
MM	81468	19-NOV-2010	11:50:52.516	12:03:11.827	739.31100
HO	81469	19-NOV-2010	13:39:14.261	13:53:43.826	869.56500

MM	81469	19-NOV-2010	13:30:41.561	13:43:24.723	763.16200
BE	81470	19-NOV-2010	14:04:08.723	14:17:33.420	804.69700
HO	81470	19-NOV-2010	15:20:34.188	15:28:10.324	456.13600
MM	81470	19-NOV-2010	15:10:15.062	15:22:54.660	759.59800
GS	81470	19-NOV-2010	14:31:40.463	14:42:40.360	659.89700
BE	81471	19-NOV-2010	15:46:27.012	15:55:15.535	528.52300
MM	81471	19-NOV-2010	16:49:32.526	17:02:04.494	751.96800
GS	81471	19-NOV-2010	16:10:16.277	16:24:09.137	832.86000
MM	81472	19-NOV-2010	18:28:40.682	18:41:15.551	754.86900
GS	81472	19-NOV-2010	17:50:41.614	18:00:43.195	601.58100
MM	81473	19-NOV-2010	20:07:56.761	20:20:40.042	763.28100
MA	81473	19-NOV-2010	19:11:09.646	19:18:51.433	461.78700
JO	81473	19-NOV-2010	20:27:16.997	20:42:09.370	892.37300
MM	81474	19-NOV-2010	21:47:44.268	22:00:21.007	756.73900
MA	81474	19-NOV-2010	20:45:44.018	20:59:26.702	822.68400
JO	81474	19-NOV-2010	22:07:43.404	22:19:24.482	701.07800
HO	81475	19-NOV-2010	23:18:30.917	23:32:38.471	847.55400
MM	81475	19-NOV-2010	23:28:23.818	23:40:16.716	712.89800

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1.5 - List of corrupted products

Station	Orbit	Time
SG	81464	04:41:36.536

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

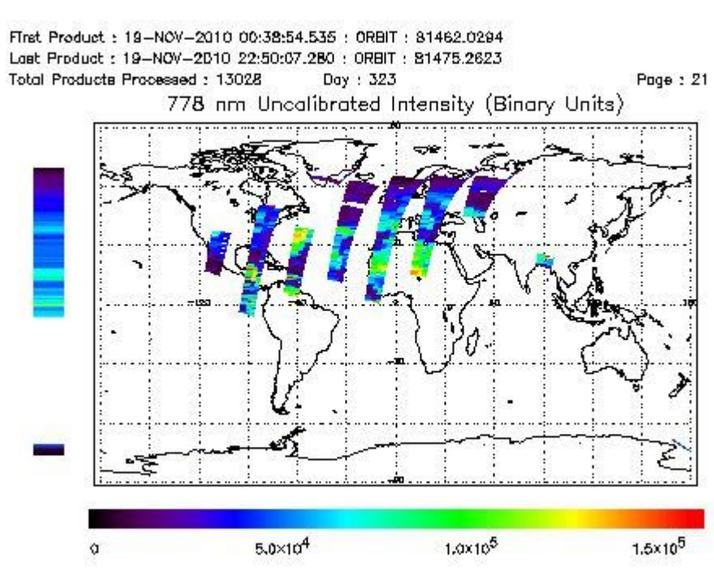
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

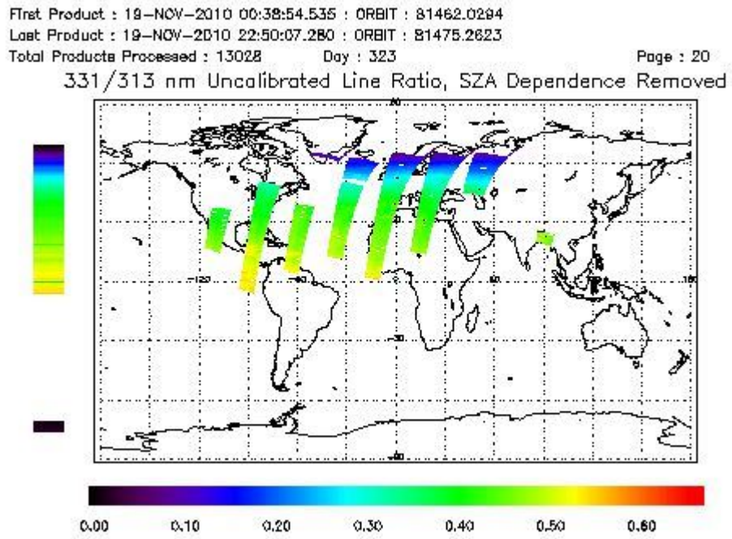
2.2 - Daily Plots

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

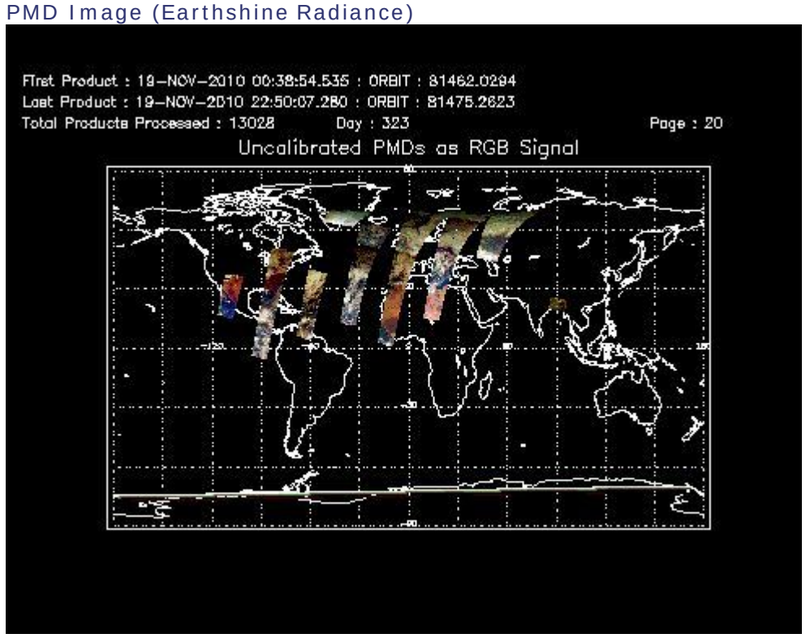
NEAR IR Intensity



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	12:49:44.056	--	81469	Yes	--	15659

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)

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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