GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-JAN-2011
Start Time of First Product	00:09:22
Stop Time of Last Product	23:50:51
Number of EGOI Products analysed	26
Number of corrupted products	--
Anomalies and/or Special Operations	anomalous long science dump from 03:30:07 to 03:44:48

1.2 - List of received products

Name	Date	Time
EGOI_110113GSEP3406.E2	13-JAN-2011	01:55:43.934
EGOI_110113GSEP3437.E2	13-JAN-2011	03:34:46.045
EGOI_110113GSEP3445.E2	13-JAN-2011	05:17:40.687
EGOI_110113KSEP4891.E2	13-JAN-2011	07:16:08.415
EGOI_110113KSEP4910.E2	13-JAN-2011	08:56:09.030
EGOI_110113KSEP4940.E2	13-JAN-2011	10:35:48.655
EGOI_110113KSEP4962.E2	13-JAN-2011	12:15:13.262
EGOI_110113KSEP4989.E2	13-JAN-2011	13:54:12.379
EGOI_110113KSEP5002.E2	13-JAN-2011	15:32:30.986

EGOI_110113KSEP5015.E2	13-JAN-2011	17:10:01.588
EGOI_110113KSEP5044.E2	13-JAN-2011	18:48:02.197
EGOI_110113KSEP5075.E2	13-JAN-2011	20:27:10.308
EGOI_110113KSEP5103.E2	13-JAN-2011	22:08:43.936
EGOI_110113MAEP1847.E2	13-JAN-2011	09:03:27.073
EGOI_110113MAEP1851.E2	13-JAN-2011	09:03:27.079
EGOI_110113MAEP1855.E2	13-JAN-2011	09:04:33.083
EGOI_110113MIEP0005.E2	13-JAN-2011	01:54:43.926
EGOI_110113MIEP0033.E2	13-JAN-2011	03:30:07.013
EGOI_110113MIEP0055.E2	13-JAN-2011	05:13:34.656
EGOI_110113MIEP0081.E2	13-JAN-2011	15:50:11.592
EGOI_110113MIEP0107.E2	13-JAN-2011	17:31:19.721
EGOI_110113MSEP3390.E2	13-JAN-2011	00:09:22.275
EGOI_110113MSEP3419.E2	13-JAN-2011	10:49:30.734
EGOI_110113MSEP3439.E2	13-JAN-2011	12:28:38.846
EGOI_110113MSEP3466.E2	13-JAN-2011	21:59:18.381
EGOI_110113MSEP3498.E2	13-JAN-2011	23:37:18.986

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82253	13-JAN-2011	07:14:06.288	07:16:08.415	122.12700
KS	82254	13-JAN-2011	08:53:36.394	08:56:09.030	152.63600
KS	82255	13-JAN-2011	10:33:13.623	10:35:48.655	155.03200
KS	82256	13-JAN-2011	12:12:38.363	12:15:13.262	154.89900
KS	82257	13-JAN-2011	13:51:32.989	13:54:12.378	159.38900
KS	82258	13-JAN-2011	15:29:40.274	15:32:30.986	170.71200
KS	82259	13-JAN-2011	17:07:22.243	17:10:01.587	159.34400
KS	82260	13-JAN-2011	18:45:33.289	18:48:02.197	148.90800
KS	82261	13-JAN-2011	20:25:05.508	20:27:10.308	124.80000
KS	82262	13-JAN-2011	22:06:38.175	22:08:43.936	125.76100
KS	82263	13-JAN-2011	23:51:09.330	23:52:46.079	96.749000
GS	82250	13-JAN-2011	01:53:51.977	01:55:43.934	111.95700
GS	82251	13-JAN-2011	03:32:50.705	03:34:46.044	115.33900
MS	82249	13-JAN-2011	00:07:04.287	00:09:22.275	137.98800
MS	82255	13-JAN-2011	10:46:51.042	10:49:30.733	159.69100
MS	82256	13-JAN-2011	12:25:52.585	12:28:38.845	166.26000
MS	82262	13-JAN-2011	21:57:13.107	21:59:18.380	125.27300
MS	82263	13-JAN-2011	23:34:58.679	23:37:18.986	140.30700
MA	82254	13-JAN-2011	09:02:46.157	09:04:33.083	106.92600

MI	82250	13-JAN-2011	01:52:29.211	01:54:43.926	134.71500
MI	82251	13-JAN-2011	03:27:35.617	03:30:07.012	151.39500
MI	82252	13-JAN-2011	05:11:27.400	05:13:34.656	127.25600
MI	82258	13-JAN-2011	15:47:46.657	15:50:11.591	144.93400
MI	82259	13-JAN-2011	17:28:57.440	17:31:19.721	142.28100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82249	13-JAN-2011	01:01:10.968	01:14:35.849	804.88100
MM	82249	13-JAN-2011	01:13:02.612	01:23:17.800	615.18800
KS	82249	13-JAN-2011	00:25:42.627	00:27:23.583	100.95600
BE	82250	13-JAN-2011	02:19:21.777	02:32:03.907	762.13000
MM	82250	13-JAN-2011	02:55:46.939	03:03:45.039	478.10000
SG	82250	13-JAN-2011	02:31:24.674	02:43:00.806	696.13200
BE	82251	13-JAN-2011	03:58:51.494	04:11:03.559	732.06500
MM	82251	13-JAN-2011	04:38:50.572	04:44:50.585	360.01300
SG	82251	13-JAN-2011	04:09:58.004	04:22:40.276	762.27200
CM	82251	13-JAN-2011	03:27:10.198	03:38:37.227	687.02900
CM	82251	13-JAN-2011	05:07:20.387	05:16:57.327	576.94000
MM	82252	13-JAN-2011	06:20:55.814	06:27:13.444	377.63000
MM	82253	13-JAN-2011	08:01:49.876	08:10:18.833	508.95700
JO	82253	13-JAN-2011	07:39:11.658	07:53:35.769	864.11100
MM	82254	13-JAN-2011	09:42:12.203	09:52:52.119	639.91600
JO	82254	13-JAN-2011	09:19:17.254	09:32:14.264	777.01000
MM	82255	13-JAN-2011	11:22:18.788	11:34:23.377	724.58900
MA	82255	13-JAN-2011	10:41:16.590	10:52:54.645	698.05500
MM	82256	13-JAN-2011	13:02:11.899	13:14:52.031	760.13200
HO	82257	13-JAN-2011	14:51:19.938	15:01:02.251	582.31300
MM	82257	13-JAN-2011	14:41:50.039	14:54:32.063	762.02400
GS	82257	13-JAN-2011	14:04:17.489	14:12:37.034	499.54500
SG	82257	13-JAN-2011	15:05:07.370	15:18:43.647	816.27700
BE	82258	13-JAN-2011	15:16:24.770	15:27:51.536	686.76600
MM	82258	13-JAN-2011	16:21:11.841	16:33:45.225	753.38400
GS	82258	13-JAN-2011	15:41:52.423	15:55:44.412	831.98900
SG	82258	13-JAN-2011	16:46:30.211	16:55:31.986	541.77500

CM	82258	13-JAN-2011	15:50:58.363	16:02:31.734	693.37100
MM	82259	13-JAN-2011	18:00:21.345	18:12:54.212	752.86700
GS	82259	13-JAN-2011	17:21:48.514	17:33:37.441	708.92700
CM	82259	13-JAN-2011	17:31:01.014	17:40:32.878	571.86400
MM	82260	13-JAN-2011	19:39:32.859	19:52:14.216	761.35700
MA	82260	13-JAN-2011	18:44:46.008	18:48:51.801	245.79300
JO	82260	13-JAN-2011	19:59:17.787	20:13:14.489	836.70200
MM	82261	13-JAN-2011	21:19:09.016	21:31:50.549	761.53300
MA	82261	13-JAN-2011	20:17:34.840	20:31:22.267	827.42700
JO	82261	13-JAN-2011	21:38:36.361	21:52:18.395	822.03400
HO	82262	13-JAN-2011	22:50:51.278	23:04:01.986	790.70800
MM	82262	13-JAN-2011	22:59:32.008	23:11:42.270	730.26200
MA	82262	13-JAN-2011	21:58:48.611	22:09:54.421	665.81000

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

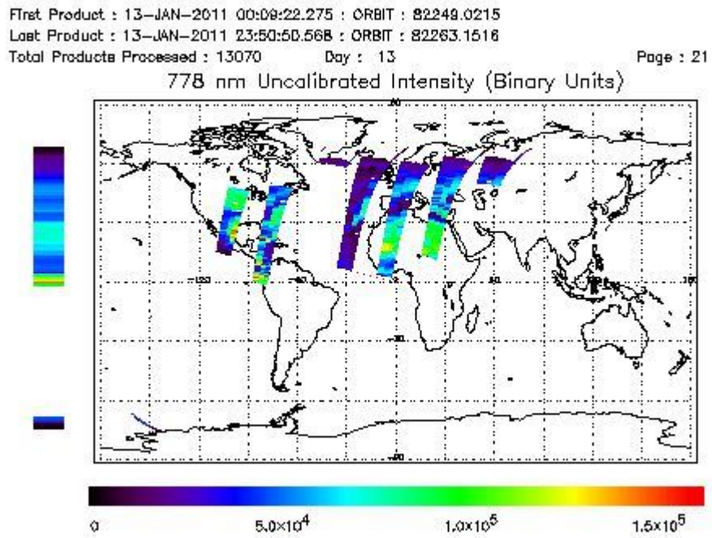
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

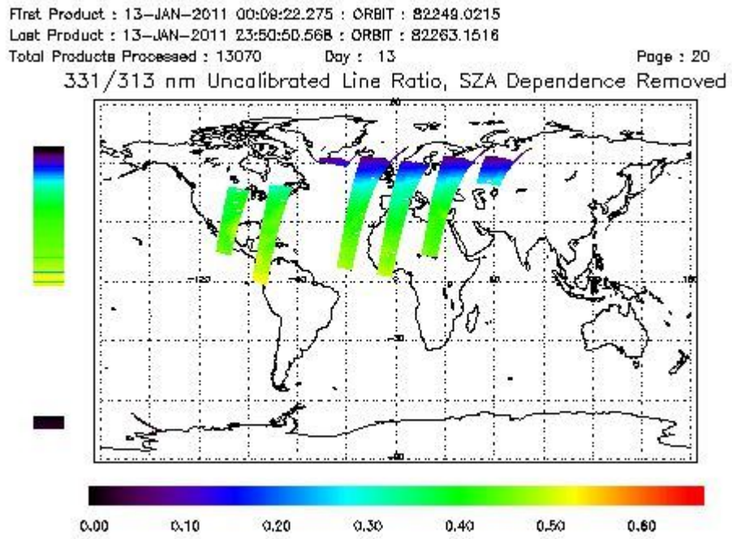
2.2 - Daily Plots

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

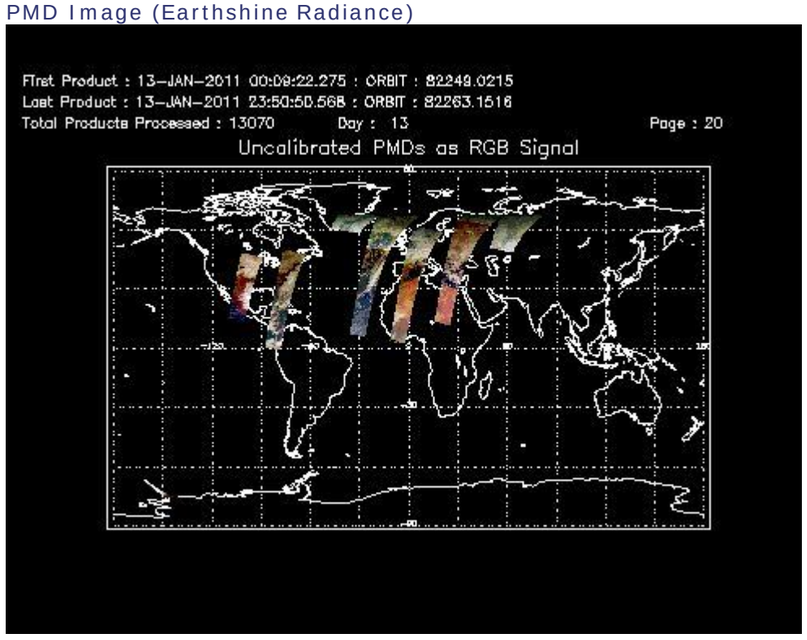
NEAR IR Intensity



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	10:40:57.681	--	82255	Yes	--	15312

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