GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-DEC-2010
Start Time of First Product	23:55:47
Stop Time of Last Product	23:32:49
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101229CMEP3010.E2	29-DEC-2010	03:01:24.221
EGOI_101229CMEP3018.E2	29-DEC-2010	04:41:56.340
EGOI_101229CMEP3028.E2	29-DEC-2010	15:25:03.325
EGOI_101229CMEP3034.E2	29-DEC-2010	17:03:20.437
EGOI_101229GSEP2292.E2	29-DEC-2010	01:28:34.146
EGOI_101229GSEP2319.E2	29-DEC-2010	03:06:09.252
EGOI_101229GSEP2345.E2	29-DEC-2010	04:48:44.387
EGOI_101229GSEP2352.E2	29-DEC-2010	06:30:37.519
EGOI_101229KSEP1262.E2	28-DEC-2010	23:55:47.073

EGOI_101229KSEP1276.E2	29-DEC-2010	06:47:43.619
EGOI_101229KSEP1294.E2	29-DEC-2010	08:27:41.243
EGOI_101229KSEP1315.E2	29-DEC-2010	10:07:20.860
EGOI_101229KSEP1336.E2	29-DEC-2010	11:46:55.977
EGOI_101229KSEP1353.E2	29-DEC-2010	13:25:55.092
EGOI_101229KSEP1362.E2	29-DEC-2010	15:04:36.200
EGOI_101229KSEP1374.E2	29-DEC-2010	16:42:09.808
EGOI_101229KSEP1403.E2	29-DEC-2010	18:20:05.916
EGOI_101229KSEP1435.E2	29-DEC-2010	19:58:47.025
EGOI_101229KSEP1464.E2	29-DEC-2010	21:39:37.152
EGOI_101229KSEP1481.E2	29-DEC-2010	23:22:39.288
EGOI_101229MAEP1321.E2	29-DEC-2010	08:36:44.297
EGOI_101229MAEP1333.E2	29-DEC-2010	10:14:44.903
EGOI_101229MIEP9156.E2	29-DEC-2010	03:01:55.721
EGOI_101229MIEP9181.E2	29-DEC-2010	04:42:39.844
EGOI_101229MIEP9201.E2	29-DEC-2010	15:22:09.310
EGOI_101229MIEP9226.E2	29-DEC-2010	17:01:51.926
EGOI_101229MSEP1646.E2	29-DEC-2010	10:22:05.952
EGOI_101229MSEP1674.E2	29-DEC-2010	12:00:32.060
EGOI_101229MSEP1687.E2	29-DEC-2010	13:42:25.195
EGOI_101229MSEP1710.E2	29-DEC-2010	21:32:35.605
EGOI_101229MSEP1742.E2	29-DEC-2010	23:08:45.202
EGOI_101229SGEP0475.E2	29-DEC-2010	02:06:58.380
EGOI_101229SGEP0481.E2	29-DEC-2010	03:47:17.003
EGOI_101229SGEP0488.E2	29-DEC-2010	14:41:27.059
EGOI_101229SGEP0494.E2	29-DEC-2010	16:19:18.663

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82034	28-DEC-2010	23:54:12.980	23:55:47.073	94.093000
KS	82038	29-DEC-2010	06:45:47.764	06:47:43.619	115.85500
KS	82039	29-DEC-2010	08:25:08.750	08:27:41.242	152.49200
KS	82040	29-DEC-2010	10:04:46.384	10:07:20.860	154.47600
KS	82041	29-DEC-2010	11:44:16.443	11:46:55.977	159.53400
KS	82042	29-DEC-2010	13:23:21.044	13:25:55.091	154.04700
KS	82043	29-DEC-2010	15:01:53.276	15:04:36.199	162.92300
KS	82044	29-DEC-2010	16:39:29.828	16:42:09.807	159.97900
KS	82045	29-DEC-2010	18:17:23.793	18:20:05.916	162.12300
KS	82046	29-DEC-2010	19:56:28.504	19:58:47.024	138.52000
KS	82047	29-DEC-2010	21:37:22.780	21:39:37.152	134.37200
KS	82048	29-DEC-2010	23:20:51.562	23:22:39.287	107.72500

GS	82035	29-DEC-2010	01:26:24.287	01:28:34.146	129.85900
GS	82036	29-DEC-2010	03:04:06.645	03:06:09.252	122.60700
GS	82037	29-DEC-2010	04:46:55.601	04:48:44.386	108.78500
MS	82040	29-DEC-2010	10:19:26.529	10:22:05.952	159.42300
MS	82041	29-DEC-2010	11:57:09.629	12:00:32.060	202.43100
MS	82048	29-DEC-2010	23:06:23.807	23:08:45.201	141.39400
MA	82039	29-DEC-2010	08:33:56.122	08:36:44.296	168.17400
MA	82040	29-DEC-2010	10:12:51.139	10:14:44.902	113.76300
MI	82036	29-DEC-2010	02:59:31.188	03:01:55.720	144.53200
MI	82037	29-DEC-2010	04:40:18.296	04:42:39.843	141.54700
MI	82043	29-DEC-2010	15:19:45.352	15:22:09.309	143.95700
MI	82044	29-DEC-2010	16:59:25.610	17:01:51.925	146.31500
SG	82035	29-DEC-2010	02:05:04.775	02:06:58.379	113.60400
SG	82036	29-DEC-2010	03:41:07.601	03:47:17.002	369.40100
SG	82042	29-DEC-2010	14:37:30.286	14:41:27.059	236.77300
SG	82043	29-DEC-2010	16:16:37.878	16:19:18.663	160.78500
CM	82036	29-DEC-2010	03:00:07.116	03:01:24.221	77.105000
CM	82043	29-DEC-2010	15:23:40.968	15:25:03.325	82.357000
CM	82044	29-DEC-2010	17:01:46.930	17:03:20.436	93.506000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82034	29-DEC-2010	00:32:01.442	00:46:32.323	870.88100
MM	82034	29-DEC-2010	00:43:51.558	00:54:39.321	647.76300
BE	82035	29-DEC-2010	01:51:29.317	02:02:42.857	673.54000
MM	82035	29-DEC-2010	02:26:21.076	02:35:00.482	519.40600
BE	82036	29-DEC-2010	03:30:11.456	03:43:18.207	786.75100
MM	82036	29-DEC-2010	04:09:26.267	04:15:51.182	384.91500
MM	82037	29-DEC-2010	05:51:54.733	05:57:50.270	355.53700
MM	82038	29-DEC-2010	07:33:04.717	07:40:52.398	467.68100
JO	82038	29-DEC-2010	07:11:43.855	07:24:42.471	778.61600
MM	82039	29-DEC-2010	09:13:33.452	09:23:39.805	606.35300
JO	82039	29-DEC-2010	08:50:02.298	09:04:29.543	867.24500
HO	82040	29-DEC-2010	11:05:10.972	11:13:57.527	526.55500
MM	82040	29-DEC-2010	10:53:43.974	11:05:29.735	705.76100

HO	82041	29-DEC-2010	12:42:26.072	12:57:09.794	883.72200
MM	82041	29-DEC-2010	12:33:41.025	12:46:15.333	754.30800
MA	82041	29-DEC-2010	11:55:05.037	11:59:33.746	268.70900
HO	82042	29-DEC-2010	14:22:22.824	14:34:55.517	752.69300
MM	82042	29-DEC-2010	14:13:23.644	14:26:07.268	763.62400
SG	82042	29-DEC-2010	14:37:30.286	14:49:44.276	733.99000
BE	82043	29-DEC-2010	14:47:07.891	14:59:56.526	768.63500
MM	82043	29-DEC-2010	15:52:50.073	16:05:25.672	755.59900
GS	82043	29-DEC-2010	15:13:37.427	15:26:57.037	799.61000
MM	82044	29-DEC-2010	17:32:02.113	17:44:33.839	751.72600
GS	82044	29-DEC-2010	16:53:05.871	17:06:06.504	780.63300
MM	82045	29-DEC-2010	19:11:10.971	19:23:49.761	758.79000
JO	82045	29-DEC-2010	19:31:47.024	19:43:41.444	714.42000
MM	82046	29-DEC-2010	20:50:37.635	21:03:21.358	763.72300
MA	82046	29-DEC-2010	19:49:48.549	20:02:37.442	768.89300
JO	82046	29-DEC-2010	21:09:51.558	21:24:36.547	884.98900
HO	82047	29-DEC-2010	22:23:26.254	22:35:22.558	716.30400
MM	82047	29-DEC-2010	22:30:45.322	22:43:08.913	743.59100
MA	82047	29-DEC-2010	21:28:58.312	21:42:02.387	784.07500

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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

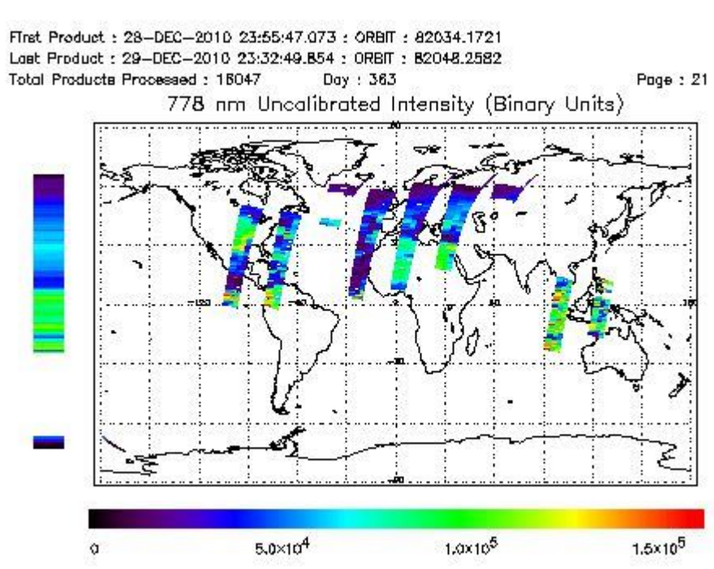
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	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

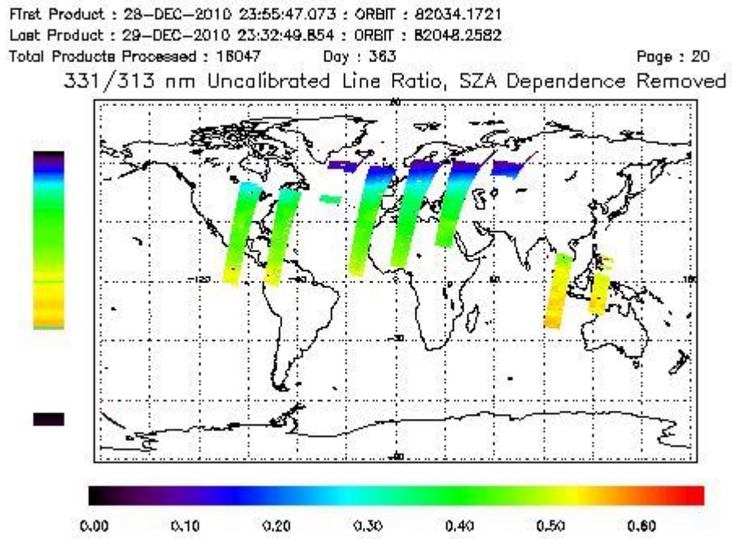
2.2 - Daily Plots

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

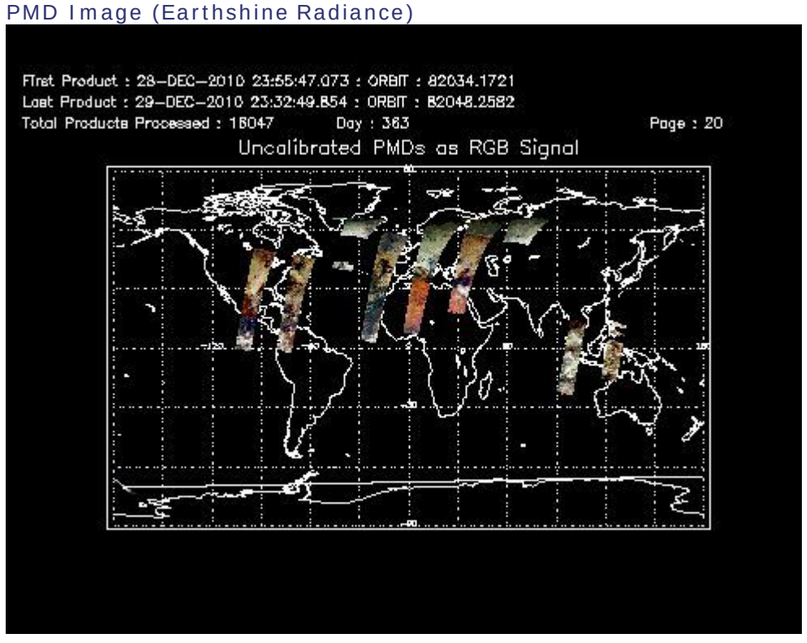
NEAR IR Intensity



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	11:53:23.015	--	82041	Yes	--	15805.0

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