GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-OCT-2010
Start Time of First Product	23:55:38
Stop Time of Last Product	23:32:38
Number of EGOI Products analysed	44
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101020CMEP0997.E2	20-OCT-2010	03:01:26.008
EGOI_101020CMEP1008.E2	20-OCT-2010	04:41:46.127
EGOI_101020CMEP1013.E2	20-OCT-2010	15:24:48.580
EGOI_101020CMEP1023.E2	20-OCT-2010	17:03:10.191
EGOI_101020GSEP7528.E2	20-OCT-2010	01:28:14.932
EGOI_101020GSEP7555.E2	20-OCT-2010	03:05:57.535
EGOI_101020GSEP7577.E2	20-OCT-2010	04:48:34.170
EGOI_101020GSEP7583.E2	20-OCT-2010	06:30:24.294
EGOI_101020HLEP8185.E2	20-OCT-2010	22:32:57.222

EGOI_101020KSEP3603.E2	19-OCT-2010	23:55:38.368
EGOI_101020KSEP3617.E2	20-OCT-2010	06:47:31.902
EGOI_101020KSEP3634.E2	20-OCT-2010	08:27:31.019
EGOI_101020KSEP3651.E2	20-OCT-2010	10:07:10.629
EGOI_101020KSEP3672.E2	20-OCT-2010	11:46:44.240
EGOI_101020KSEP3690.E2	20-OCT-2010	13:25:43.347
EGOI_101020KSEP3712.E2	20-OCT-2010	15:04:24.458
EGOI_101020KSEP3741.E2	20-OCT-2010	16:41:58.058
EGOI_101020KSEP3771.E2	20-OCT-2010	18:19:58.661
EGOI_101020KSEP3803.E2	20-OCT-2010	19:58:32.269
EGOI_101020KSEP3830.E2	20-OCT-2010	21:39:20.892
EGOI_101020KSEP3847.E2	20-OCT-2010	23:22:29.024
EGOI_101020MAEP8642.E2	20-OCT-2010	08:35:23.564
EGOI_101020MAEP8657.E2	20-OCT-2010	10:14:33.176
EGOI_101020MAEP8675.E2	20-OCT-2010	21:31:22.340
EGOI_101020MIEP3882.E2	20-OCT-2010	03:01:47.008
EGOI_101020MIEP3899.E2	20-OCT-2010	04:42:26.631
EGOI_101020MIEP3920.E2	20-OCT-2010	15:21:57.564
EGOI_101020MIEP3941.E2	20-OCT-2010	17:01:41.680
EGOI_101020MMEP7077.E2	20-OCT-2010	00:45:10.166
EGOI_101020MMEP7083.E2	20-OCT-2010	02:27:27.300
EGOI_101020MMEP7090.E2	20-OCT-2010	05:52:34.557
EGOI_101020MMEP7095.E2	20-OCT-2010	07:34:03.684
EGOI_101020MMEP7104.E2	20-OCT-2010	10:55:06.419
EGOI_101020MMEP7112.E2	20-OCT-2010	12:35:05.534
EGOI_101020MMEP7121.E2	20-OCT-2010	14:15:07.657
EGOI_101020MMEP7129.E2	20-OCT-2010	17:34:37.383
EGOI_101020MMEP7137.E2	20-OCT-2010	19:13:22.987
EGOI_101020MMEP7143.E2	20-OCT-2010	20:52:23.602
EGOI_101020MMEP7153.E2	20-OCT-2010	22:32:28.717
EGOI_101020MSEP3554.E2	20-OCT-2010	10:21:54.215
EGOI_101020MSEP3583.E2	20-OCT-2010	11:59:38.319
EGOI_101020MSEP3595.E2	20-OCT-2010	13:42:05.953
EGOI_101020MSEP3608.E2	20-OCT-2010	21:32:26.845
EGOI_101020MSEP3640.E2	20-OCT-2010	23:08:34.942

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81032	19-OCT-2010	23:54:12.980	23:55:38.367	85.387000
KS	81036	20-OCT-2010	06:45:47.764	06:47:31.901	104.13700
KS	81037	20-OCT-2010	08:25:08.750	08:27:31.018	142.26800
KS	81038	20-OCT-2010	10:04:46.384	10:07:10.628	144.24400

KS	81039	20-OCT-2010	11:44:16.443	11:46:44.240	147.79700
KS	81040	20-OCT-2010	13:23:21.044	13:25:43.347	142.30300
KS	81041	20-OCT-2010	15:01:53.275	15:04:24.457	151.18200
KS	81042	20-OCT-2010	16:39:29.827	16:41:58.058	148.23100
KS	81043	20-OCT-2010	18:17:23.793	18:19:58.660	154.86700
KS	81044	20-OCT-2010	19:56:28.504	19:58:32.269	123.76500
KS	81045	20-OCT-2010	21:37:22.780	21:39:20.892	118.11200
KS	81046	20-OCT-2010	23:20:51.562	23:22:29.023	97.461000
GS	81033	20-OCT-2010	01:26:24.287	01:28:14.932	110.64500
GS	81034	20-OCT-2010	03:04:06.644	03:05:57.534	110.89000
GS	81035	20-OCT-2010	04:46:55.600	04:48:34.169	98.569000
MS	81038	20-OCT-2010	10:19:26.529	10:21:54.215	147.68600
MS	81039	20-OCT-2010	11:57:09.629	11:59:38.318	148.68900
MS	81046	20-OCT-2010	23:06:23.807	23:08:34.942	131.13500
MA	81037	20-OCT-2010	08:33:56.122	08:35:23.563	87.441000
MA	81038	20-OCT-2010	10:12:51.139	10:14:33.176	102.03700
MA	81045	20-OCT-2010	21:28:58.312	21:31:22.340	144.02800
MI	81034	20-OCT-2010	02:59:31.186	03:01:47.007	135.82100
MI	81035	20-OCT-2010	04:40:18.294	04:42:26.631	128.33700
MI	81041	20-OCT-2010	15:19:45.351	15:21:57.563	132.21200
MI	81042	20-OCT-2010	16:59:25.609	17:01:41.679	136.07000
MM	81032	20-OCT-2010	00:43:51.558	00:45:10.165	78.607000
MM	81033	20-OCT-2010	02:26:21.076	02:27:27.300	66.224000
MM	81038	20-OCT-2010	10:53:43.974	10:55:06.419	82.445000
MM	81039	20-OCT-2010	12:33:41.025	12:35:05.534	84.509000
MM	81040	20-OCT-2010	14:13:23.644	14:15:07.656	104.01200
MM	81040	20-OCT-2010	14:18:40.672	14:26:07.268	446.59600
MM	81042	20-OCT-2010	17:32:02.112	17:34:37.383	155.27100
MM	81043	20-OCT-2010	19:11:10.971	19:13:22.987	132.01600
MM	81044	20-OCT-2010	20:50:37.635	20:52:23.601	105.96600
MM	81045	20-OCT-2010	22:30:45.322	22:32:28.717	103.39500
CM	81034	20-OCT-2010	03:00:07.114	03:01:26.008	78.894000
CM	81041	20-OCT-2010	15:23:40.967	15:24:48.580	67.613000
CM	81042	20-OCT-2010	17:01:46.929	17:03:10.190	83.261000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81032	20-OCT-2010	00:32:01.442	00:46:32.323	870.88100
BE	81033	20-OCT-2010	01:51:29.317	02:02:42.857	673.54000
SG	81033	20-OCT-2010	02:05:04.775	02:12:46.617	461.84200
BE	81034	20-OCT-2010	03:30:11.455	03:43:18.206	786.75100
MM	81034	20-OCT-2010	04:09:26.266	04:15:51.181	384.91500
SG	81034	20-OCT-2010	03:41:07.600	03:54:53.508	825.90800
JO	81036	20-OCT-2010	07:11:43.855	07:24:42.471	778.61600
MM	81037	20-OCT-2010	09:13:33.452	09:23:39.805	606.35300
JO	81037	20-OCT-2010	08:50:02.298	09:04:29.543	867.24500
HO	81038	20-OCT-2010	11:05:10.972	11:13:57.527	526.55500
HO	81039	20-OCT-2010	12:42:26.072	12:57:09.794	883.72200
MA	81039	20-OCT-2010	11:55:05.037	11:59:33.746	268.70900
HO	81040	20-OCT-2010	14:22:22.824	14:34:55.517	752.69300
SG	81040	20-OCT-2010	14:37:30.286	14:49:44.276	733.99000
BE	81041	20-OCT-2010	14:47:07.890	14:59:56.525	768.63500
MM	81041	20-OCT-2010	15:52:50.072	16:05:25.671	755.59900
GS	81041	20-OCT-2010	15:13:37.426	15:26:57.036	799.61000
SG	81041	20-OCT-2010	16:16:37.877	16:28:49.140	731.26300
GS	81042	20-OCT-2010	16:53:05.870	17:06:06.503	780.63300
JO	81043	20-OCT-2010	19:31:47.024	19:43:41.444	714.42000
MA	81044	20-OCT-2010	19:49:48.549	20:02:37.442	768.89300
JO	81044	20-OCT-2010	21:09:51.558	21:24:36.547	884.98900
HO	81045	20-OCT-2010	22:23:26.254	22:35:22.558	716.30400

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

---

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

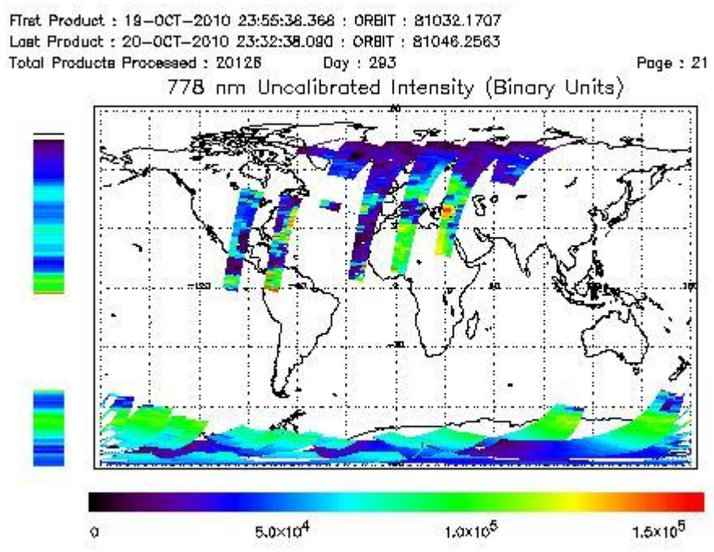
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK

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	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

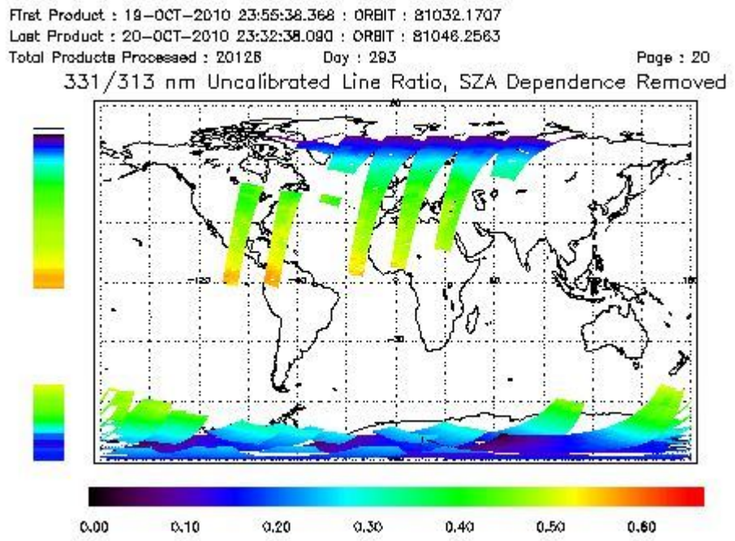
2.2 - Daily Plots

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

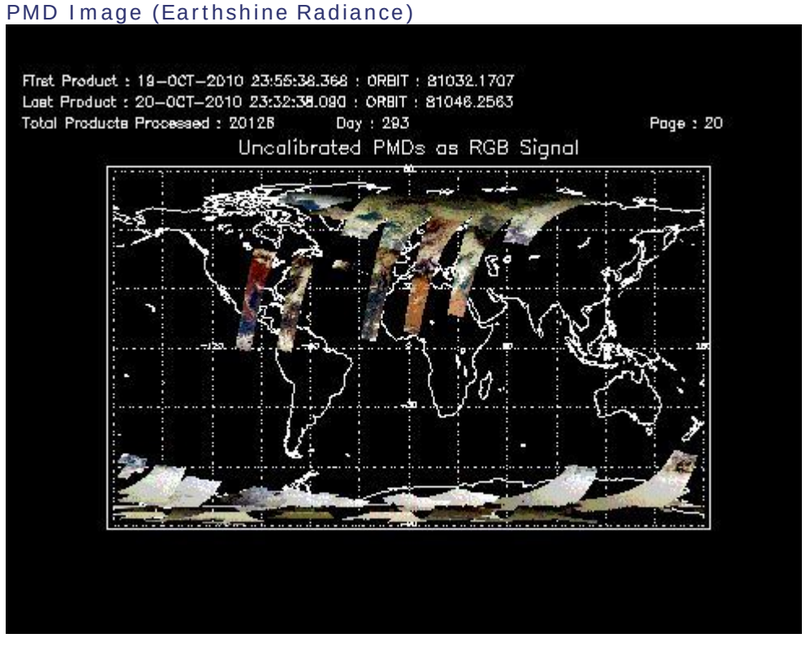
NEAR IR Intensity



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	15:10:33.493	--	81041	Yes	--	15375

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)
--	--	--	--	--	--	--	--

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

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