GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-OCT-2010
Start Time of First Product	23:45:53 (22-Oct)
Stop Time of Last Product	23:38:20
Number of EGOI Products analysed	43
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101023CMEP1093.E2	23-OCT-2010	03:06:40.634
EGOI_101023CMEP1099.E2	23-OCT-2010	04:47:45.757
EGOI_101023CMEP1109.E2	23-OCT-2010	15:30:34.720
EGOI_101023GSEP7774.E2	23-OCT-2010	01:33:44.566
EGOI_101023GSEP7802.E2	23-OCT-2010	03:11:42.166
EGOI_101023GSEP7813.E2	23-OCT-2010	04:54:33.798
EGOI_101023HLEP8211.E2	23-OCT-2010	22:31:11.811
EGOI_101023KSEP4415.E2	23-OCT-2010	06:53:16.530
EGOI_101023KSEP4433.E2	23-OCT-2010	08:33:14.146

EGOI_101023KSEP4451.E2	23-OCT-2010	10:12:52.260
EGOI_101023KSEP4472.E2	23-OCT-2010	11:52:25.872
EGOI_101023KSEP4492.E2	23-OCT-2010	13:31:23.486
EGOI_101023KSEP4518.E2	23-OCT-2010	15:10:04.590
EGOI_101023KSEP4547.E2	23-OCT-2010	16:47:33.690
EGOI_101023KSEP4578.E2	23-OCT-2010	18:25:28.293
EGOI_101023KSEP4608.E2	23-OCT-2010	20:04:12.406
EGOI_101023KSEP4635.E2	23-OCT-2010	21:45:13.025
EGOI_101023KSEP4652.E2	23-OCT-2010	23:28:30.163
EGOI_101023MAEP8761.E2	23-OCT-2010	08:41:14.192
EGOI_101023MAEP8774.E2	23-OCT-2010	10:20:14.803
EGOI_101023MAEP8795.E2	23-OCT-2010	19:58:01.865
EGOI_101023MAEP8814.E2	23-OCT-2010	21:37:05.474
EGOI_101023MIEP4145.E2	23-OCT-2010	15:27:34.700
EGOI_101023MIEP4167.E2	23-OCT-2010	17:07:32.311
EGOI_101023MMEP7311.E2	23-OCT-2010	00:51:02.300
EGOI_101023MMEP7317.E2	23-OCT-2010	11:00:55.559
EGOI_101023MMEP7325.E2	23-OCT-2010	12:40:50.169
EGOI_101023MMEP7333.E2	23-OCT-2010	14:20:52.285
EGOI_101023MMEP7336.E2	23-OCT-2010	15:59:54.400
EGOI_101023MMEP7342.E2	23-OCT-2010	17:40:17.515
EGOI_101023MMEP7349.E2	23-OCT-2010	19:18:57.124
EGOI_101023MMEP7356.E2	23-OCT-2010	20:58:06.735
EGOI_101023MMEP7360.E2	23-OCT-2010	22:38:14.853
EGOI_101023MSEP3875.E2	22-OCT-2010	23:45:52.900
EGOI_101023MSEP3898.E2	23-OCT-2010	10:27:25.351
EGOI_101023MSEP3927.E2	23-OCT-2010	12:05:16.950
EGOI_101023MSEP3936.E2	23-OCT-2010	13:48:17.585
EGOI_101023MSEP3951.E2	23-OCT-2010	21:37:33.978
EGOI_101023MSEP3983.E2	23-OCT-2010	23:14:15.077
EGOI_101023SGEP8826.E2	23-OCT-2010	02:12:17.801
EGOI_101023SGEP8831.E2	23-OCT-2010	03:49:06.397
EGOI_101023SGEP8840.E2	23-OCT-2010	14:47:16.449
EGOI_101023SGEP8846.E2	23-OCT-2010	16:25:08.053

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81079	23-OCT-2010	06:51:26.930	06:53:16.529	109.59900
KS	81080	23-OCT-2010	08:30:50.218	08:33:14.145	143.92700
KS	81081	23-OCT-2010	10:10:27.894	10:12:52.259	144.36500
KS	81082	23-OCT-2010	11:49:57.006	11:52:25.871	148.86500
KS	81083	23-OCT-2010	13:28:59.553	13:31:23.485	143.93200

KS	81084	23-OCT-2010	15:07:26.939	15:10:04.590	157.65100
KS	81085	23-OCT-2010	16:45:03.691	16:47:33.689	149.99800
KS	81086	23-OCT-2010	18:23:01.203	18:25:28.293	147.09000
KS	81087	23-OCT-2010	20:02:11.162	20:04:12.406	121.24400
KS	81088	23-OCT-2010	21:43:12.840	21:45:13.025	120.18500
KS	81089	23-OCT-2010	23:26:52.886	23:28:30.162	97.276000
GS	81076	23-OCT-2010	01:31:51.918	01:33:44.565	112.64700
GS	81077	23-OCT-2010	03:09:49.598	03:11:42.166	112.56800
MS	81081	23-OCT-2010	10:24:53.842	10:27:25.351	151.50900
MS	81082	23-OCT-2010	12:02:55.692	12:05:16.949	141.25700
MS	81089	23-OCT-2010	23:12:04.367	23:14:15.077	130.71000
MA	81080	23-OCT-2010	08:39:42.579	08:41:14.191	91.612000
MA	81081	23-OCT-2010	10:18:32.230	10:20:14.803	102.57300
MA	81087	23-OCT-2010	19:55:19.908	19:58:01.864	161.95600
MA	81088	23-OCT-2010	21:34:46.502	21:37:05.474	138.97200
MI	81084	23-OCT-2010	15:25:19.556	15:27:34.700	135.14400
MI	81085	23-OCT-2010	17:05:16.314	17:07:32.310	135.99600
MM	81075	23-OCT-2010	00:49:41.351	00:51:02.300	80.949000
MM	81081	23-OCT-2010	10:59:27.023	11:00:55.558	88.535000
MM	81082	23-OCT-2010	12:39:23.296	12:40:50.168	86.872000
MM	81083	23-OCT-2010	14:19:05.030	14:20:52.285	107.25500
MM	81083	23-OCT-2010	14:24:58.312	14:31:48.430	410.11800
MM	81084	23-OCT-2010	15:58:30.522	15:59:54.399	83.877000
MM	81085	23-OCT-2010	17:37:41.973	17:40:17.514	155.54100
MM	81086	23-OCT-2010	19:16:51.213	19:18:57.124	125.91100
MM	81087	23-OCT-2010	20:56:19.625	20:58:06.735	107.11000
MM	81088	23-OCT-2010	22:36:30.260	22:38:14.853	104.59300
SG	81076	23-OCT-2010	02:10:11.599	02:12:17.800	126.20100
SG	81077	23-OCT-2010	03:46:51.041	03:49:06.397	135.35600
SG	81083	23-OCT-2010	14:42:58.400	14:47:16.448	258.04800
SG	81084	23-OCT-2010	16:22:31.134	16:25:08.052	156.91800
CM	81077	23-OCT-2010	03:05:26.844	03:06:40.633	73.789000
CM	81084	23-OCT-2010	15:29:03.736	15:30:34.719	90.983000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81075	23-OCT-2010	00:37:54.299	00:52:11.173	856.87400
KS	81075	23-OCT-2010	00:00:21.745	00:05:49.729	327.98400
BE	81076	23-OCT-2010	01:57:01.878	02:08:38.125	696.24700
MM	81076	23-OCT-2010	02:32:14.024	02:40:45.199	511.17500
BE	81077	23-OCT-2010	03:35:54.540	03:48:53.337	778.79700
MM	81077	23-OCT-2010	04:15:19.451	04:21:38.555	379.10400
MI	81077	23-OCT-2010	03:05:05.524	03:18:10.850	785.32600
MM	81078	23-OCT-2010	05:57:43.496	06:03:42.498	359.00200
MI	81078	23-OCT-2010	04:46:21.035	04:55:54.720	573.68500
MM	81079	23-OCT-2010	07:38:49.971	07:46:45.866	475.89500
JO	81079	23-OCT-2010	07:17:10.585	07:30:30.877	800.29200
MM	81080	23-OCT-2010	09:19:17.306	09:29:30.674	613.36800
JO	81080	23-OCT-2010	08:55:50.339	09:10:04.661	854.32200
HO	81083	23-OCT-2010	14:28:08.985	14:40:10.301	721.31600
SG	81083	23-OCT-2010	14:42:58.400	14:55:35.189	756.78900
BE	81084	23-OCT-2010	14:52:56.539	15:05:33.146	756.60700
GS	81084	23-OCT-2010	15:19:15.590	15:32:44.462	808.87200
GS	81085	23-OCT-2010	16:58:49.729	17:11:38.515	768.78600
CM	81085	23-OCT-2010	17:07:34.583	17:18:53.433	678.85000
JO	81086	23-OCT-2010	19:37:14.051	19:49:39.950	745.89900
JO	81087	23-OCT-2010	21:15:35.061	21:30:11.367	876.30600
HO	81088	23-OCT-2010	22:28:52.388	22:41:06.923	734.53500

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

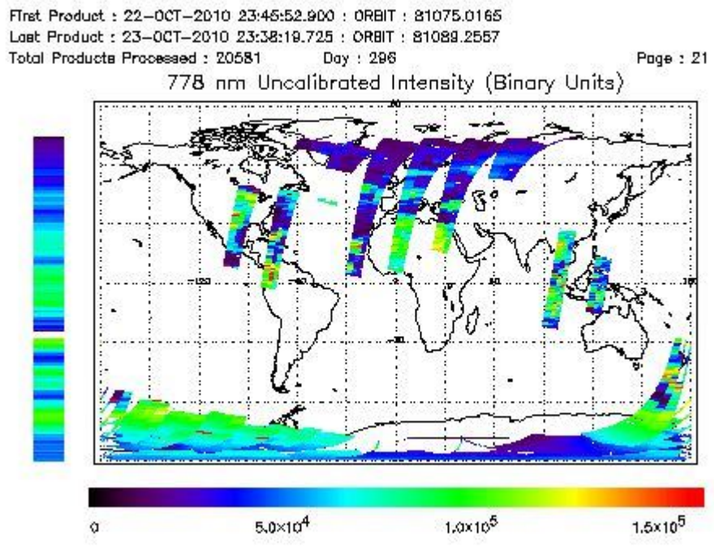
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK

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	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

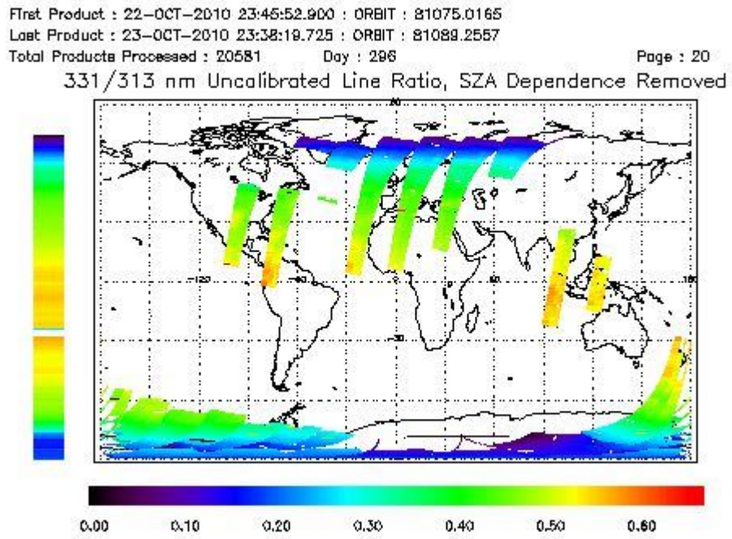
2.2 - Daily Plots

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

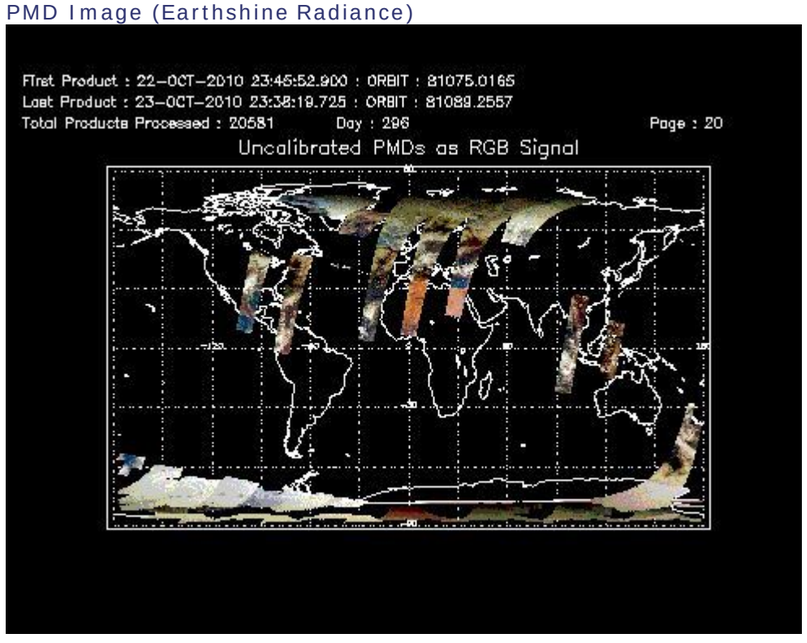
NEAR IR Intensity



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	13:36:05.509	--	81083	Yes	--	15430

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
--	--	--

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
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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
01:00 05-Sep	--	80388	--

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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