GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	24-OCT-2010
Start Time of First Product	00:08:48
Stop Time of Last Product	23:07:07
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 81100

1.2 - List of received products

Name	Date	Time
EGOI_101024GSEP7837.E2	24-OCT-2010	01:03:41.247
EGOI_101024GSEP7869.E2	24-OCT-2010	02:40:25.343
EGOI_101024GSEP7897.E2	24-OCT-2010	04:21:39.465
EGOI_101024GSEP7905.E2	24-OCT-2010	06:03:56.597
EGOI_101024HLEP8218.E2	24-OCT-2010	00:08:48.411
EGOI_101024KSEP4665.E2	24-OCT-2010	06:22:01.205
EGOI_101024KSEP4684.E2	24-OCT-2010	08:01:54.321
EGOI_101024KSEP4704.E2	24-OCT-2010	09:41:33.936
EGOI_101024KSEP4734.E2	24-OCT-2010	11:21:09.048

EGOI_101024KSEP4763.E2	24-OCT-2010	13:00:20.163
EGOI_101024KSEP4774.E2	24-OCT-2010	14:39:08.766
EGOI_101024KSEP4789.E2	24-OCT-2010	16:16:50.515
EGOI_101024KSEP4817.E2	24-OCT-2010	17:54:52.614
EGOI_101024KSEP4849.E2	24-OCT-2010	19:32:48.719
EGOI_101024KSEP4880.E2	24-OCT-2010	21:13:05.838
EGOI_101024KSEP4906.E2	24-OCT-2010	22:55:43.973
EGOI_101024MAEP8825.E2	24-OCT-2010	08:10:40.872
EGOI_101024MAEP8837.E2	24-OCT-2010	09:48:57.979
EGOI_101024MIEP4194.E2	24-OCT-2010	02:36:56.819
EGOI_101024MIEP4223.E2	24-OCT-2010	04:15:54.430
EGOI_101024MIEP4249.E2	24-OCT-2010	14:57:13.380
EGOI_101024MIEP4279.E2	24-OCT-2010	16:35:40.132
EGOI_101024MMEP7367.E2	24-OCT-2010	02:01:07.100
EGOI_101024MMEP7374.E2	24-OCT-2010	03:43:55.730
EGOI_101024MMEP7380.E2	24-OCT-2010	05:26:18.865
EGOI_101024MMEP7390.E2	24-OCT-2010	07:08:04.492
EGOI_101024MMEP7399.E2	24-OCT-2010	08:51:26.123
EGOI_101024MMEP7402.E2	24-OCT-2010	10:29:26.726
EGOI_101024MMEP7411.E2	24-OCT-2010	12:09:42.346
EGOI_101024MMEP7415.E2	24-OCT-2010	13:49:30.961
EGOI_101024MMEP7424.E2	24-OCT-2010	17:08:31.333
EGOI_101024MMEP7429.E2	24-OCT-2010	18:47:55.941
EGOI_101024MMEP7434.E2	24-OCT-2010	22:07:06.171
EGOI_101024MSEP4003.E2	24-OCT-2010	00:57:24.708
EGOI_101024MSEP4016.E2	24-OCT-2010	09:57:38.531
EGOI_101024MSEP4041.E2	24-OCT-2010	11:34:13.627
EGOI_101024MSEP4065.E2	24-OCT-2010	13:14:59.249
EGOI_101024MSEP4098.E2	24-OCT-2010	22:43:07.898
EGOI_101024SGEP8853.E2	24-OCT-2010	03:18:07.574
EGOI_101024SGEP8861.E2	24-OCT-2010	05:00:15.704

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81093	24-OCT-2010	06:20:27.010	06:22:01.204	94.194000
KS	81094	24-OCT-2010	07:59:32.736	08:01:54.320	141.58400
KS	81095	24-OCT-2010	09:39:09.321	09:41:33.936	144.61500
KS	81096	24-OCT-2010	11:18:42.947	11:21:09.048	146.10100
KS	81097	24-OCT-2010	12:57:55.975	13:00:20.162	144.18700
KS	81098	24-OCT-2010	14:36:40.225	14:39:08.765	148.54000
KS	81099	24-OCT-2010	16:14:20.591	16:16:50.514	149.92300
KS	81100	24-OCT-2010	17:52:14.118	17:54:52.614	158.49600

KS	81101	24-OCT-2010	19:30:50.874	19:32:48.719	117.84500
KS	81102	24-OCT-2010	21:11:13.427	21:13:05.837	112.41000
KS	81103	24-OCT-2010	22:53:56.077	22:55:43.972	107.89500
GS	81090	24-OCT-2010	01:02:03.327	01:03:41.246	97.919000
GS	81091	24-OCT-2010	02:38:34.128	02:40:25.343	111.21500
GS	81092	24-OCT-2010	04:19:45.929	04:21:39.464	113.53500
MS	81096	24-OCT-2010	11:31:39.588	11:34:13.626	154.03800
MS	81097	24-OCT-2010	13:12:35.923	13:14:59.249	143.32600
MS	81103	24-OCT-2010	22:41:05.869	22:43:07.897	122.02800
MA	81094	24-OCT-2010	08:09:14.888	08:10:40.871	85.983000
MA	81095	24-OCT-2010	09:47:12.108	09:48:57.978	105.87000
MI	81091	24-OCT-2010	02:34:44.139	02:36:56.819	132.68000
MI	81092	24-OCT-2010	04:13:37.847	04:15:54.430	136.58300
MI	81098	24-OCT-2010	14:54:58.635	14:57:13.380	134.74500
MI	81099	24-OCT-2010	16:33:21.960	16:35:40.131	138.17100
MM	81090	24-OCT-2010	01:59:54.552	02:01:07.099	72.547000
MM	81091	24-OCT-2010	03:42:55.686	03:43:55.729	60.043000
MM	81094	24-OCT-2010	08:47:45.400	08:51:26.123	220.72300
MM	81095	24-OCT-2010	10:27:59.723	10:29:26.725	87.002000
MM	81096	24-OCT-2010	12:08:00.227	12:09:42.345	102.11800
MM	81097	24-OCT-2010	13:47:46.749	13:49:30.960	104.21100
MM	81097	24-OCT-2010	13:54:20.491	14:00:30.606	370.11500
MM	81099	24-OCT-2010	17:06:32.529	17:08:31.333	118.80400
MM	81100	24-OCT-2010	18:45:40.534	18:47:55.940	135.40600
SG	81091	24-OCT-2010	03:15:37.140	03:18:07.573	150.43300
SG	81092	24-OCT-2010	04:57:53.717	05:00:15.703	141.98600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81089	24-OCT-2010	00:06:25.022	00:21:00.592	875.57000
MM	81089	24-OCT-2010	00:17:40.130	00:28:53.725	673.59500
HO	81090	24-OCT-2010	01:48:58.530	01:58:53.225	594.69500
BE	81091	24-OCT-2010	03:04:32.963	03:17:57.851	804.88800
CM	81091	24-OCT-2010	02:37:11.045	02:41:41.275	270.23000
CM	81091	24-OCT-2010	04:11:58.377	04:24:21.799	743.42200

BE	81092	24-OCT-2010	04:45:15.030	04:54:25.658	550.62800
JO	81093	24-OCT-2010	06:47:35.883	06:58:19.703	643.82000
JO	81094	24-OCT-2010	08:24:11.519	08:39:11.028	899.50900
JO	81095	24-OCT-2010	10:08:17.579	10:14:45.648	388.06900
MA	81096	24-OCT-2010	11:28:24.913	11:36:24.449	479.53600
HO	81097	24-OCT-2010	13:56:25.430	14:10:23.665	838.23500
SG	81097	24-OCT-2010	14:13:23.182	14:22:58.094	574.91200
BE	81098	24-OCT-2010	14:21:13.263	14:34:34.143	800.88000
MM	81098	24-OCT-2010	15:27:17.418	15:39:55.398	757.98000
GS	81098	24-OCT-2010	14:48:22.352	15:00:39.884	737.53200
SG	81098	24-OCT-2010	15:50:29.282	16:03:59.572	810.29000
CM	81098	24-OCT-2010	15:00:41.799	15:04:38.459	236.66000
BE	81099	24-OCT-2010	16:05:11.998	16:11:05.739	353.74100
GS	81099	24-OCT-2010	16:27:22.182	16:41:01.779	819.59700
CM	81099	24-OCT-2010	16:35:57.339	16:48:19.047	741.70800
GS	81100	24-OCT-2010	18:08:09.439	18:16:43.417	513.97800
JO	81100	24-OCT-2010	19:07:49.977	19:16:08.745	498.76800
MM	81101	24-OCT-2010	20:25:00.305	20:37:44.203	763.89800
MA	81101	24-OCT-2010	19:27:03.330	19:36:24.603	561.27300
JO	81101	24-OCT-2010	20:44:14.170	20:59:15.809	901.63900
MM	81102	24-OCT-2010	22:04:55.457	22:17:27.859	752.40200
MA	81102	24-OCT-2010	21:03:00.741	21:16:26.905	806.16400
JO	81102	24-OCT-2010	22:25:28.736	22:35:15.633	586.89700
HO	81103	24-OCT-2010	23:35:21.111	23:49:44.161	863.05000
MM	81103	24-OCT-2010	23:45:45.442	23:57:25.891	700.44900

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

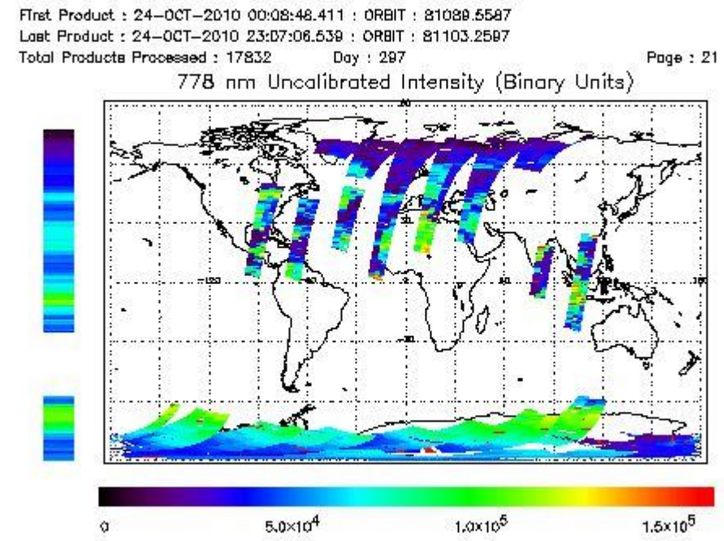
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK

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

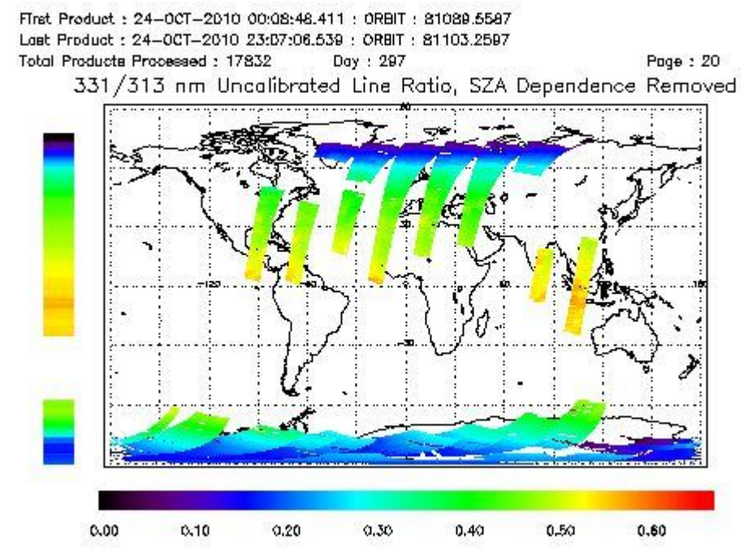
2.2 - Daily Plots

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

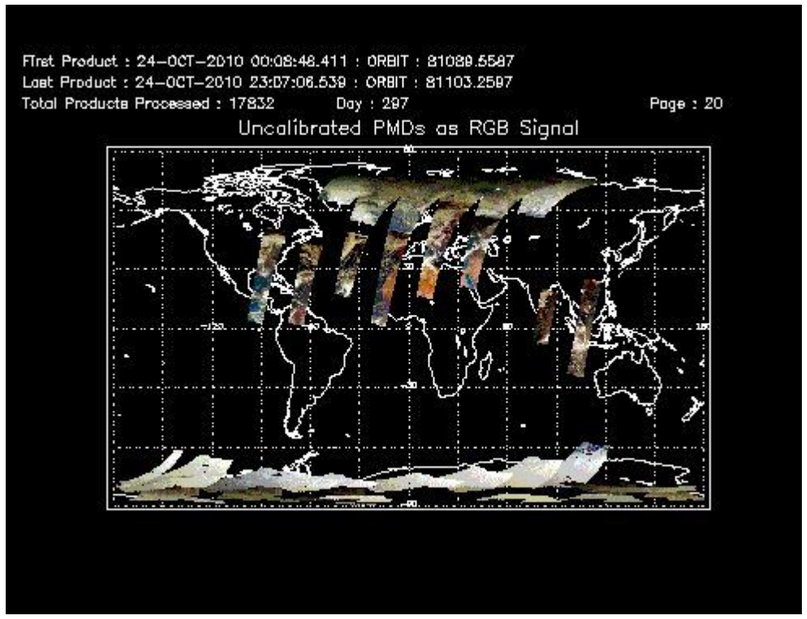
NEAR IR Intensity



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	16:25:44.565	--	81099	Yes	--	15348

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

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
--	--	--	--	--

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
18:00	--	81100	--

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