

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-APR-2010
Start Time of First Product	00:02:41
Stop Time of Last Product	23:44:25
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	<i>Narrow Swath continued from previous day, stop orbit 78209</i>

1.2 - List of received products

Name	Date	Time
EGOI_100405BEEP2367.E2	05-APR-2010	02:15:42.242
EGOI_100405BEEP2373.E2	05-APR-2010	03:54:56.345
EGOI_100405CMEP7406.E2	05-APR-2010	17:27:50.823
EGOI_100405GSEP3374.E2	05-APR-2010	01:49:27.081
EGOI_100405GSEP3405.E2	05-APR-2010	03:28:21.684
EGOI_100405GSEP3414.E2	05-APR-2010	05:11:10.315
EGOI_100405KSEP8051.E2	05-APR-2010	08:49:38.655
EGOI_100405KSEP8076.E2	05-APR-2010	10:29:18.261
EGOI_100405KSEP8101.E2	05-APR-2010	12:08:44.369

EGOI_100405KSEP8127.E2	05-APR-2010	13:47:43.480
EGOI_100405KSEP8152.E2	05-APR-2010	15:26:14.079
EGOI_100405KSEP8166.E2	05-APR-2010	17:03:40.182
EGOI_100405KSEP8195.E2	05-APR-2010	18:41:39.277
EGOI_100405KSEP8225.E2	05-APR-2010	20:20:41.388
EGOI_100405KSEP8252.E2	05-APR-2010	22:02:09.011
EGOI_100405MAEP0705.E2	05-APR-2010	08:57:01.194
EGOI_100405MAEP0718.E2	05-APR-2010	10:36:51.305
EGOI_100405MIEP8453.E2	05-APR-2010	01:48:55.573
EGOI_100405MIEP8481.E2	05-APR-2010	03:23:36.653
EGOI_100405MIEP8503.E2	05-APR-2010	05:06:25.283
EGOI_100405MIEP8523.E2	05-APR-2010	15:43:47.184
EGOI_100405MIEP8548.E2	05-APR-2010	17:24:32.804
EGOI_100405MMEP5876.E2	05-APR-2010	02:50:01.949
EGOI_100405MMEP5884.E2	05-APR-2010	04:33:01.076
EGOI_100405MMEP5892.E2	05-APR-2010	06:15:13.703
EGOI_100405MMEP5900.E2	05-APR-2010	07:56:32.326
EGOI_100405MMEP5909.E2	05-APR-2010	11:17:17.052
EGOI_100405MMEP5916.E2	05-APR-2010	12:57:19.167
EGOI_100405MMEP5925.E2	05-APR-2010	14:36:57.281
EGOI_100405MMEP5932.E2	05-APR-2010	16:16:32.388
EGOI_100405MMEP5938.E2	05-APR-2010	17:56:41.999
EGOI_100405MSEP0854.E2	05-APR-2010	00:02:41.423
EGOI_100405MSEP0875.E2	05-APR-2010	10:43:15.344
EGOI_100405MSEP0903.E2	05-APR-2010	12:22:05.455
EGOI_100405MSEP0932.E2	05-APR-2010	21:53:10.456
EGOI_100405MSEP0963.E2	05-APR-2010	23:30:56.052

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78203	05-APR-2010	08:47:54.813	08:49:38.654	103.84100
KS	78204	05-APR-2010	10:27:32.243	10:29:18.261	106.01800
KS	78205	05-APR-2010	12:06:58.165	12:08:44.368	106.20300
KS	78206	05-APR-2010	13:45:54.168	13:47:43.480	109.31200
KS	78207	05-APR-2010	15:24:04.924	15:26:14.079	129.15500
KS	78208	05-APR-2010	17:01:47.064	17:03:40.182	113.11800
KS	78209	05-APR-2010	18:39:54.882	18:41:39.276	104.39400
KS	78210	05-APR-2010	20:19:21.351	20:20:41.388	80.037000
KS	78211	05-APR-2010	22:00:46.054	22:02:09.011	82.957000
GS	78199	05-APR-2010	01:48:20.583	01:49:27.080	66.497000
GS	78200	05-APR-2010	03:27:03.982	03:28:21.684	77.702000

MS	78198	05-APR-2010	00:01:10.535	00:02:41.423	90.888000
MS	78204	05-APR-2010	10:41:22.007	10:43:15.343	113.33600
MS	78205	05-APR-2010	12:20:09.511	12:22:05.455	115.94400
MS	78211	05-APR-2010	21:51:51.566	21:53:10.455	78.889000
MS	78212	05-APR-2010	23:29:13.236	23:30:56.052	102.81600
MA	78204	05-APR-2010	10:35:32.500	10:36:51.305	78.805000
MI	78199	05-APR-2010	01:47:35.462	01:48:55.573	80.111000
MI	78200	05-APR-2010	03:21:56.219	03:23:36.653	100.43400
MI	78201	05-APR-2010	05:04:57.306	05:06:25.282	87.976000
MI	78207	05-APR-2010	15:42:08.472	15:43:47.183	98.711000
MI	78208	05-APR-2010	17:22:58.624	17:24:32.803	94.179000
MM	78207	05-APR-2010	16:15:31.580	16:16:32.387	60.807000
MM	78208	05-APR-2010	17:54:41.503	17:56:41.999	120.49600
BE	78199	05-APR-2010	02:13:45.562	02:15:42.241	116.67900
BE	78200	05-APR-2010	03:53:06.528	03:54:56.345	109.81700
CM	78208	05-APR-2010	17:25:06.591	17:27:50.823	164.23200

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78198	05-APR-2010	00:55:21.545	01:09:00.231	818.68600
MM	78198	05-APR-2010	01:07:11.987	01:17:34.000	622.01300
KS	78198	05-APR-2010	00:19:08.033	00:22:13.761	185.72800
SG	78199	05-APR-2010	02:26:01.546	02:37:04.767	663.22100
SG	78200	05-APR-2010	04:04:09.139	04:17:09.923	780.78400
CM	78200	05-APR-2010	03:21:41.265	03:32:48.807	667.54200
CM	78200	05-APR-2010	05:01:21.801	05:11:32.943	611.14200
KS	78202	05-APR-2010	07:08:26.111	07:18:26.958	600.84700
JO	78202	05-APR-2010	07:33:39.414	07:47:50.737	851.32300
MM	78203	05-APR-2010	09:36:28.553	09:47:02.067	633.51400
JO	78203	05-APR-2010	09:13:23.086	09:26:43.723	800.63700
HO	78204	05-APR-2010	11:26:47.399	11:38:07.307	679.90800
HO	78205	05-APR-2010	13:05:03.805	13:19:53.129	889.32400
HO	78206	05-APR-2010	14:45:30.910	14:55:43.006	612.09600
GS	78206	05-APR-2010	13:58:56.399	14:06:24.180	447.78100
SG	78206	05-APR-2010	14:59:32.892	15:12:58.603	805.71100

BE	78207	05-APR-2010	15:10:30.469	15:22:18.338	707.86900
GS	78207	05-APR-2010	15:36:12.639	15:50:00.828	828.18900
SG	78207	05-APR-2010	16:40:25.428	16:50:18.068	592.64000
CM	78207	05-APR-2010	15:45:26.864	15:56:41.136	674.27200
GS	78208	05-APR-2010	17:16:03.275	17:28:09.122	725.84700
MM	78209	05-APR-2010	19:33:52.335	19:46:33.214	760.87900
JO	78209	05-APR-2010	19:53:44.886	20:07:23.395	818.50900
MM	78210	05-APR-2010	21:13:26.445	21:26:08.607	762.16200
MA	78210	05-APR-2010	20:11:59.715	20:25:42.264	822.54900
JO	78210	05-APR-2010	21:32:49.875	21:46:48.569	838.69400
HO	78211	05-APR-2010	22:45:17.834	22:58:18.156	780.32200
MM	78211	05-APR-2010	22:53:46.267	23:05:59.509	733.24200
MA	78211	05-APR-2010	21:52:54.123	22:04:22.032	687.90900

[[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	North Polar View operations
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK

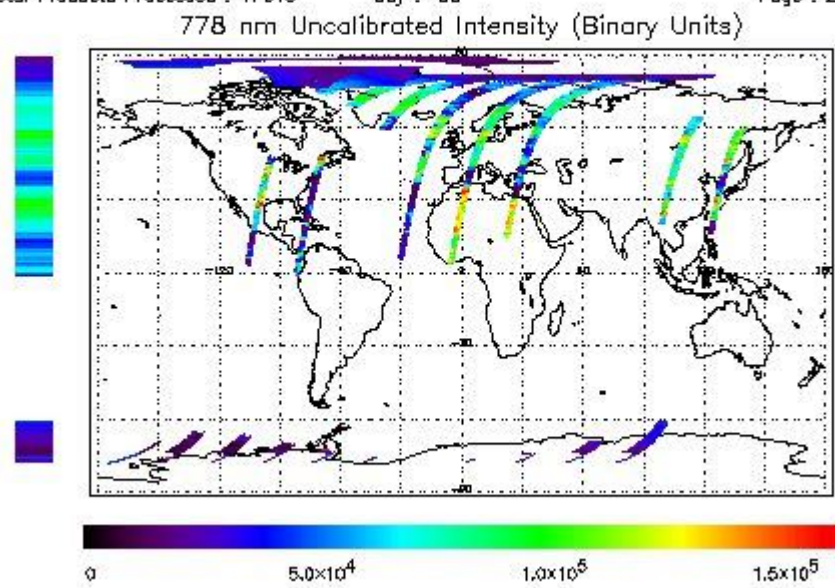
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

Final Product : 05-APR-2010 00:02:41.423 : ORBIT : 78198.0122
 Last Product : 05-APR-2010 23:44:24.634 : ORBIT : 78212.1448
 Total Products Processed : 17613 Day : 95 Page : 21

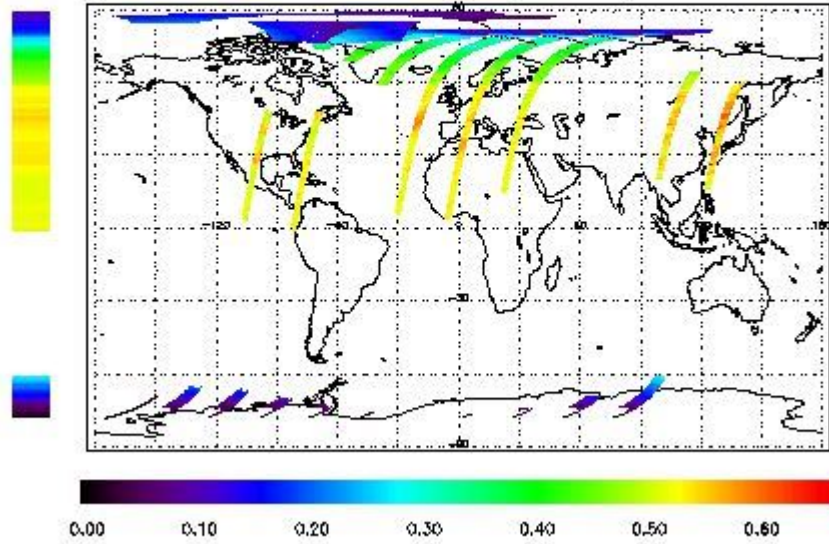


Ozone Line Ratio

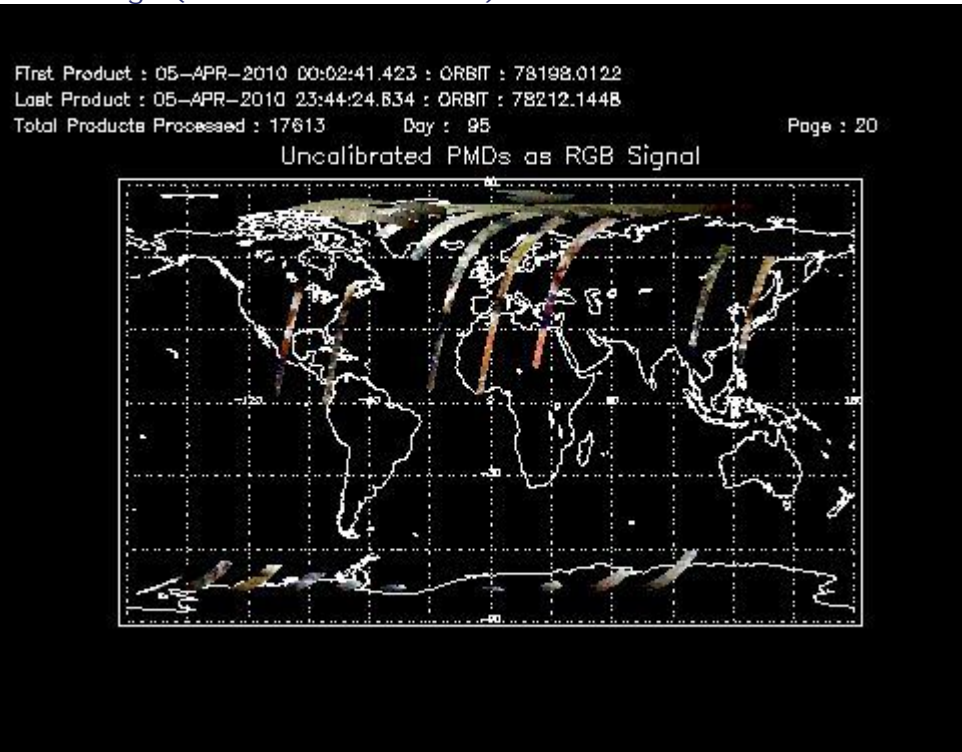
First Product : 05-APR-2010 00:02:41.423 : ORBIT : 78198.0122
 Last Product : 05-APR-2010 23:44:24.634 : ORBIT : 78212.1448
 Total Products Processed : 17613 Day : 95

Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	19:20:45.699	--	78195	Yes	--	15288

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

[BACK TO MENU]

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
21:00	18:00	78196	78209

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
07:00 10-Mar	--	77830	--

[[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