

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	31-JNA-2011
Start Time of First Product	00:45:13
Stop Time of Last Product	22:55:54
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110131CMEP3664.E2	31-JAN-2011	04:05:07.757
EGOI_110131CMEP3672.E2	31-JAN-2011	16:26:06.330
EGOI_110131CMEP3684.E2	31-JAN-2011	18:08:24.962
EGOI_110131GSEP4785.E2	31-JAN-2011	00:53:02.078
EGOI_110131GSEP4817.E2	31-JAN-2011	02:29:17.669
EGOI_110131GSEP4847.E2	31-JAN-2011	04:09:58.788
EGOI_110131GSEP4854.E2	31-JAN-2011	05:52:23.421
EGOI_110131KSEP9291.E2	31-JAN-2011	06:10:38.528
EGOI_110131KSEP9309.E2	31-JAN-2011	07:50:40.646

EGOI_110131KSEP9330.E2	31-JAN-2011	09:30:18.761
EGOI_110131KSEP9361.E2	31-JAN-2011	11:09:56.876
EGOI_110131KSEP9389.E2	31-JAN-2011	12:49:10.992
EGOI_110131KSEP9399.E2	31-JAN-2011	14:28:04.097
EGOI_110131KSEP9410.E2	31-JAN-2011	16:05:48.205
EGOI_110131KSEP9437.E2	31-JAN-2011	17:43:44.305
EGOI_110131KSEP9469.E2	31-JAN-2011	19:21:40.413
EGOI_110131KSEP9500.E2	31-JAN-2011	21:01:42.526
EGOI_110131KSEP9526.E2	31-JAN-2011	22:44:44.666
EGOI_110131MAEP2382.E2	31-JAN-2011	07:59:39.202
EGOI_110131MAEP2398.E2	31-JAN-2011	09:38:03.811
EGOI_110131MAEP2413.E2	31-JAN-2011	11:17:40.423
EGOI_110131MIEP1841.E2	31-JAN-2011	02:26:16.150
EGOI_110131MIEP1869.E2	31-JAN-2011	04:05:07.757
EGOI_110131MIEP1893.E2	31-JAN-2011	14:46:35.714
EGOI_110131MIEP1921.E2	31-JAN-2011	16:24:21.318
EGOI_110131MSEP5487.E2	31-JAN-2011	00:45:12.531
EGOI_110131MSEP5502.E2	31-JAN-2011	11:23:02.959
EGOI_110131MSEP5526.E2	31-JAN-2011	13:03:23.074
EGOI_110131MSEP5559.E2	31-JAN-2011	22:31:59.588
EGOI_110131SGEP1152.E2	31-JAN-2011	03:13:02.939
EGOI_110131SGEP1159.E2	31-JAN-2011	04:48:32.023
EGOI_110131SGEP1165.E2	31-JAN-2011	14:04:44.456
EGOI_110131SGEP1172.E2	31-JAN-2011	15:41:43.552

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82510	31-JAN-2011	06:09:15.844	06:10:38.528	82.684000
KS	82511	31-JAN-2011	07:48:10.487	07:50:40.645	150.15800
KS	82512	31-JAN-2011	09:27:46.092	09:30:18.761	152.66900
KS	82513	31-JAN-2011	11:07:20.946	11:09:56.876	155.93000
KS	82514	31-JAN-2011	12:46:37.288	12:49:10.992	153.70400
KS	82515	31-JAN-2011	14:25:25.331	14:28:04.096	158.76500
KS	82516	31-JAN-2011	16:03:10.635	16:05:48.205	157.57000
KS	82517	31-JAN-2011	17:41:05.865	17:43:44.304	158.43900
KS	82518	31-JAN-2011	19:19:29.652	19:21:40.413	130.76100
KS	82519	31-JAN-2011	20:59:38.903	21:01:42.526	123.62300
KS	82520	31-JAN-2011	22:42:02.863	22:44:44.665	161.80200
GS	82507	31-JAN-2011	00:51:22.215	00:53:02.077	99.862000
GS	82508	31-JAN-2011	02:28:06.785	02:29:17.669	70.884000

GS	82509	31-JAN-2011	04:07:54.217	04:09:58.787	124.57000
MS	82507	31-JAN-2011	00:43:20.776	00:45:12.531	111.75500
MS	82513	31-JAN-2011	11:20:20.142	11:23:02.958	162.81600
MS	82514	31-JAN-2011	13:00:48.428	13:03:23.074	154.64600
MS	82520	31-JAN-2011	22:29:59.132	22:31:59.587	120.45500
MA	82512	31-JAN-2011	09:35:51.191	09:38:03.811	132.62000
MA	82513	31-JAN-2011	11:16:39.222	11:17:40.422	61.200000
MI	82508	31-JAN-2011	02:23:53.903	02:26:16.150	142.24700
MI	82509	31-JAN-2011	04:01:58.831	04:05:07.756	188.92500
MI	82515	31-JAN-2011	14:44:10.849	14:46:35.713	144.86400
MI	82516	31-JAN-2011	16:21:53.211	16:24:21.318	148.10700
SG	82508	31-JAN-2011	03:04:24.982	03:13:02.939	517.95700
SG	82509	31-JAN-2011	04:45:33.366	04:48:32.023	178.65700
SG	82514	31-JAN-2011	14:03:05.243	14:04:44.456	99.213000
SG	82515	31-JAN-2011	15:39:01.307	15:41:43.552	162.24500
CM	82516	31-JAN-2011	16:24:35.741	16:26:06.330	90.589000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82506	30-JAN-2011	23:55:08.670	00:09:38.962	870.29200
MM	82506	31-JAN-2011	00:06:03.120	00:17:27.087	683.96700
HO	82507	31-JAN-2011	01:36:27.765	01:47:54.312	686.54700
MM	82507	31-JAN-2011	01:48:10.468	01:57:41.789	571.32100
BE	82508	31-JAN-2011	02:53:12.078	03:06:35.701	803.62300
MM	82508	31-JAN-2011	03:31:08.408	03:38:18.377	429.96900
CM	82508	31-JAN-2011	04:00:37.639	04:13:02.219	744.58000
BE	82509	31-JAN-2011	04:33:34.077	04:43:43.944	609.86700
MM	82509	31-JAN-2011	05:14:00.533	05:19:47.139	346.60600
MM	82510	31-JAN-2011	06:55:37.190	07:02:33.887	416.69700
JO	82510	31-JAN-2011	06:37:08.204	06:46:24.584	556.38000
MM	82511	31-JAN-2011	08:36:16.970	08:45:34.523	557.55300
JO	82511	31-JAN-2011	08:12:49.803	08:27:51.291	901.48800
MM	82512	31-JAN-2011	10:16:33.112	10:27:47.979	674.86700
JO	82512	31-JAN-2011	09:55:33.883	10:04:34.026	540.14300
MM	82513	31-JAN-2011	11:56:35.131	12:08:56.916	741.78500

MM	82514	31-JAN-2011	13:36:23.342	13:49:06.821	763.47900
SG	82514	31-JAN-2011	14:03:05.243	14:10:40.585	455.34200
BE	82515	31-JAN-2011	14:09:49.231	14:23:14.128	804.89700
MM	82515	31-JAN-2011	15:15:55.902	15:28:34.966	759.06400
GS	82515	31-JAN-2011	14:37:13.498	14:48:09.177	655.67900
BE	82516	31-JAN-2011	15:52:36.331	16:00:37.299	480.96800
MM	82516	31-JAN-2011	16:55:12.557	17:07:44.357	751.80000
GS	82516	31-JAN-2011	16:15:57.960	16:29:47.524	829.56400
MM	82517	31-JAN-2011	18:34:20.604	18:46:55.952	755.34800
GS	82517	31-JAN-2011	17:56:30.025	18:06:04.746	574.72100
MM	82518	31-JAN-2011	20:13:37.833	20:26:21.375	763.54200
MA	82518	31-JAN-2011	19:16:24.882	19:24:43.809	498.92700
JO	82518	31-JAN-2011	20:32:55.331	20:47:52.656	897.32500
HO	82519	31-JAN-2011	21:48:52.717	21:57:36.764	524.04700
MM	82519	31-JAN-2011	21:53:27.821	22:06:03.244	755.42300
MA	82519	31-JAN-2011	20:51:24.563	21:05:07.304	822.74100
HO	82520	31-JAN-2011	23:24:07.232	23:38:20.656	853.42400
MM	82520	31-JAN-2011	23:34:10.812	23:45:59.732	708.92000
MA	82520	31-JAN-2011	22:35:59.232	22:42:28.656	389.42400

[[BACK TO MENU](#)]

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	OK

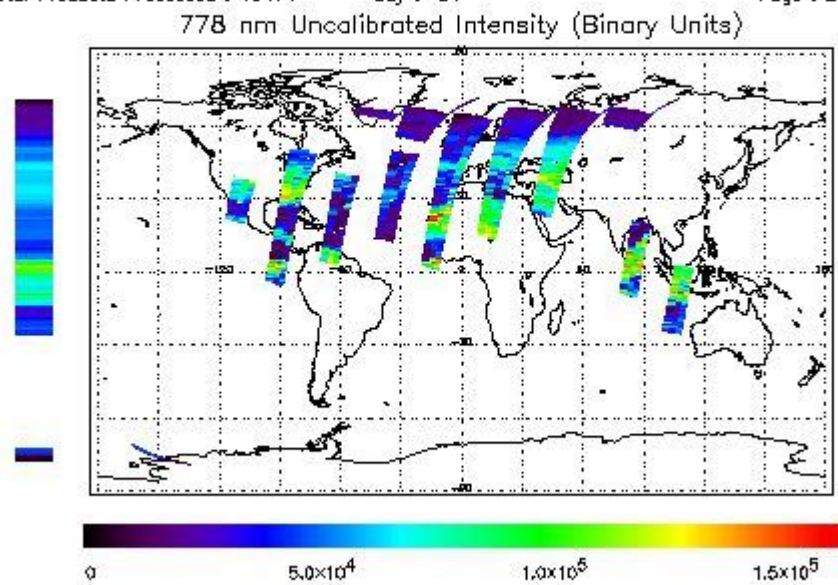
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected 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 explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

First Product : 31-JAN-2011 00:45:12.531 : ORBIT : 82507.0348
 Last Product : 31-JAN-2011 22:55:53.728 : ORBIT : 82520.2625
 Total Products Processed : 15471 Day : 31 Page : 21

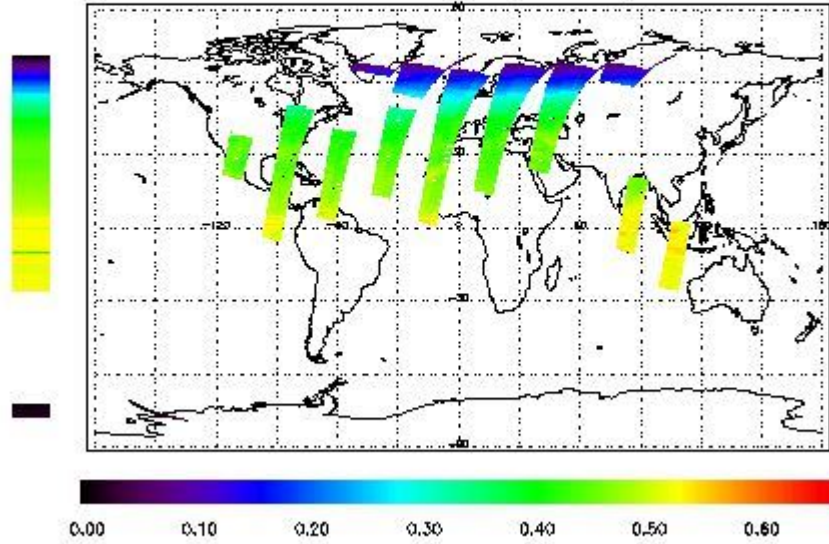


Ozone Line Ratio

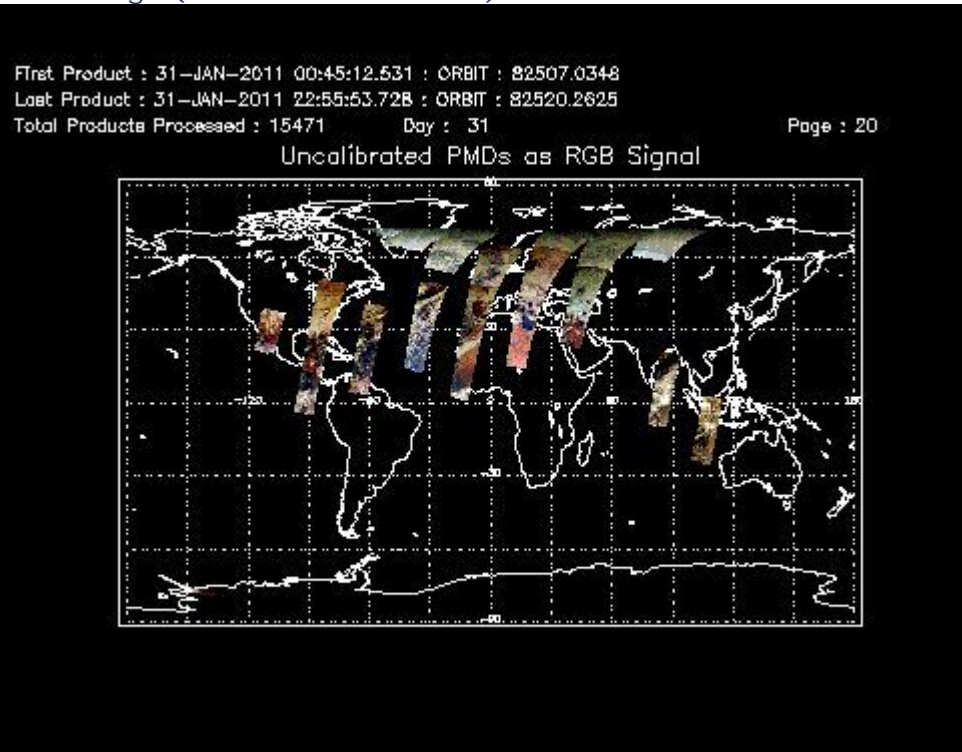
First Product : 31-JAN-2011 00:45:12.531 : ORBIT : 82507.0348
 Last Product : 31-JAN-2011 22:55:53.728 : ORBIT : 82520.2625
 Total Products Processed : 15471 Day : 31

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	11:14:11.899	--	82513	Yes	--	15251

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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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
--	--	--	--	--

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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[[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