

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-OCT-2010
Start Time of First Product	00:38:54
Stop Time of Last Product	23:42:49
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 80969

1.2 - List of received products

Name	Date	Time
EGOI_101015GSEP7165.E2	15-OCT-2010	02:24:29.453
EGOI_101015GSEP7190.E2	15-OCT-2010	04:03:54.068
EGOI_101015GSEP7197.E2	15-OCT-2010	05:46:20.196
EGOI_101015KSEP2313.E2	15-OCT-2010	07:44:23.920
EGOI_101015KSEP2333.E2	15-OCT-2010	09:24:26.034
EGOI_101015KSEP2363.E2	15-OCT-2010	11:04:02.649
EGOI_101015KSEP2392.E2	15-OCT-2010	12:43:19.760
EGOI_101015KSEP2402.E2	15-OCT-2010	14:22:12.867
EGOI_101015KSEP2428.E2	15-OCT-2010	15:59:59.975

EGOI_101015KSEP2457.E2	15-OCT-2010	17:37:56.078
EGOI_101015KSEP2489.E2	15-OCT-2010	19:15:46.182
EGOI_101015KSEP2515.E2	15-OCT-2010	20:55:45.293
EGOI_101015KSEP2542.E2	15-OCT-2010	22:37:51.924
EGOI_101015MAEP8374.E2	15-OCT-2010	09:32:08.082
EGOI_101015MAEP8393.E2	15-OCT-2010	11:11:43.193
EGOI_101015MAEP8412.E2	15-OCT-2010	20:48:10.750
EGOI_101015MAEP8429.E2	15-OCT-2010	22:30:12.881
EGOI_101015MIEP3436.E2	15-OCT-2010	02:20:42.930
EGOI_101015MIEP3457.E2	15-OCT-2010	03:59:07.537
EGOI_101015MIEP3476.E2	15-OCT-2010	14:40:59.481
EGOI_101015MIEP3495.E2	15-OCT-2010	16:18:25.588
EGOI_101015MIEP3508.E2	15-OCT-2010	18:02:30.727
EGOI_101015MMEP6722.E2	15-OCT-2010	01:43:29.199
EGOI_101015MMEP6729.E2	15-OCT-2010	05:08:43.960
EGOI_101015MMEP6739.E2	15-OCT-2010	08:36:09.238
EGOI_101015MMEP6744.E2	15-OCT-2010	10:12:11.328
EGOI_101015MMEP6756.E2	15-OCT-2010	16:53:25.804
EGOI_101015MMEP6762.E2	15-OCT-2010	18:31:00.903
EGOI_101015MMEP6770.E2	15-OCT-2010	20:09:51.011
EGOI_101015MMEP6779.E2	15-OCT-2010	23:30:08.749
EGOI_101015MSEP2988.E2	15-OCT-2010	00:38:54.303
EGOI_101015MSEP3007.E2	15-OCT-2010	11:17:08.728
EGOI_101015MSEP3032.E2	15-OCT-2010	12:57:19.842
EGOI_101015MSEP3061.E2	15-OCT-2010	22:26:18.858

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80965	15-OCT-2010	07:42:29.491	07:44:23.920	114.42900
KS	80966	15-OCT-2010	09:22:04.467	09:24:26.033	141.56600
KS	80967	15-OCT-2010	11:01:39.855	11:04:02.648	142.79300
KS	80968	15-OCT-2010	12:40:57.756	12:43:19.760	142.00400
KS	80969	15-OCT-2010	14:19:47.674	14:22:12.866	145.19200
KS	80970	15-OCT-2010	15:57:35.730	15:59:59.974	144.24400
KS	80971	15-OCT-2010	17:35:30.572	17:37:56.077	145.50500
KS	80972	15-OCT-2010	19:13:49.514	19:15:46.181	116.66700
KS	80973	15-OCT-2010	20:53:52.295	20:55:45.293	112.99800
KS	80974	15-OCT-2010	22:36:07.243	22:37:51.923	104.68000
GS	80962	15-OCT-2010	02:22:54.481	02:24:29.453	94.972000
GS	80963	15-OCT-2010	04:02:00.566	04:03:54.068	113.50200

MS	80961	15-OCT-2010	00:37:08.886	00:38:54.303	105.41700
MS	80967	15-OCT-2010	11:14:42.143	11:17:08.728	146.58500
MS	80968	15-OCT-2010	12:54:54.482	12:57:19.841	145.35900
MS	80974	15-OCT-2010	22:24:27.714	22:26:18.857	111.14300
MA	80966	15-OCT-2010	09:30:11.489	09:32:08.082	116.59300
MA	80973	15-OCT-2010	20:45:44.017	20:48:10.750	146.73300
MI	80962	15-OCT-2010	02:18:31.827	02:20:42.930	131.10300
MI	80963	15-OCT-2010	03:56:11.600	03:59:07.537	175.93700
MI	80969	15-OCT-2010	14:38:51.736	14:40:59.481	127.74500
MI	80970	15-OCT-2010	16:16:10.093	16:18:25.588	135.49500
MM	80961	15-OCT-2010	01:42:18.689	01:43:29.198	70.509000
MM	80965	15-OCT-2010	08:30:32.650	08:36:09.237	336.58700
MM	80966	15-OCT-2010	10:10:49.739	10:12:11.328	81.589000
MM	80970	15-OCT-2010	16:49:32.526	16:53:25.804	233.27800
MM	80970	15-OCT-2010	16:59:10.838	17:02:04.494	173.65600
MM	80971	15-OCT-2010	18:28:40.682	18:31:00.903	140.22100
MM	80972	15-OCT-2010	20:07:56.761	20:09:51.011	114.25000
MM	80974	15-OCT-2010	23:28:23.818	23:30:08.748	104.93000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80960	14-OCT-2010	23:49:30.006	00:03:57.671	867.66500
MM	80960	15-OCT-2010	00:00:14.942	00:11:43.834	688.89200
HO	80961	15-OCT-2010	01:30:34.563	01:42:23.042	708.47900
GS	80961	15-OCT-2010	00:46:04.003	00:54:31.451	507.44800
BE	80962	15-OCT-2010	02:47:32.342	03:00:53.104	800.76200
MM	80962	15-OCT-2010	03:25:14.753	03:32:32.467	437.71400
SG	80962	15-OCT-2010	02:58:50.907	03:12:12.090	801.18300
CM	80962	15-OCT-2010	03:54:59.375	04:07:20.822	741.44700
BE	80963	15-OCT-2010	04:27:45.142	04:38:20.588	635.44600
SG	80963	15-OCT-2010	04:39:30.712	04:49:41.105	610.39300
MM	80964	15-OCT-2010	06:49:50.805	06:56:40.286	409.48100
KS	80964	15-OCT-2010	06:03:42.193	06:09:09.294	327.10100
CM	80964	15-OCT-2010	05:38:35.533	05:42:40.507	244.97400
JO	80964	15-OCT-2010	06:31:59.942	06:40:22.496	502.55400

MA	80965	15-OCT-2010	07:52:55.988	07:59:48.144	412.15600
JO	80965	15-OCT-2010	08:07:10.617	08:22:10.393	899.77600
JO	80966	15-OCT-2010	09:49:22.540	09:59:18.318	595.77800
HO	80967	15-OCT-2010	12:00:13.469	12:13:34.692	801.22300
MM	80967	15-OCT-2010	11:50:52.516	12:03:11.827	739.31100
HO	80968	15-OCT-2010	13:39:14.261	13:53:43.826	869.56500
MM	80968	15-OCT-2010	13:30:41.561	13:43:24.723	763.16200
BE	80969	15-OCT-2010	14:04:08.723	14:17:33.420	804.69700
HO	80969	15-OCT-2010	15:20:34.188	15:28:10.324	456.13600
MM	80969	15-OCT-2010	15:10:15.062	15:22:54.660	759.59800
GS	80969	15-OCT-2010	14:31:40.463	14:42:40.360	659.89700
SG	80969	15-OCT-2010	15:33:19.212	15:47:10.333	831.12100
BE	80970	15-OCT-2010	15:46:27.012	15:55:15.535	528.52300
GS	80970	15-OCT-2010	16:10:16.277	16:24:09.137	832.86000
CM	80970	15-OCT-2010	16:18:56.554	16:31:19.791	743.23700
GS	80971	15-OCT-2010	17:50:41.614	18:00:43.195	601.58100
CM	80971	15-OCT-2010	18:01:33.963	18:06:10.704	276.74100
MA	80972	15-OCT-2010	19:11:09.646	19:18:51.433	461.78700
JO	80972	15-OCT-2010	20:27:16.997	20:42:09.370	892.37300
MM	80973	15-OCT-2010	21:47:44.267	22:00:21.006	756.73900
JO	80973	15-OCT-2010	22:07:43.403	22:19:24.481	701.07800
HO	80974	15-OCT-2010	23:18:30.917	23:32:38.471	847.55400

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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

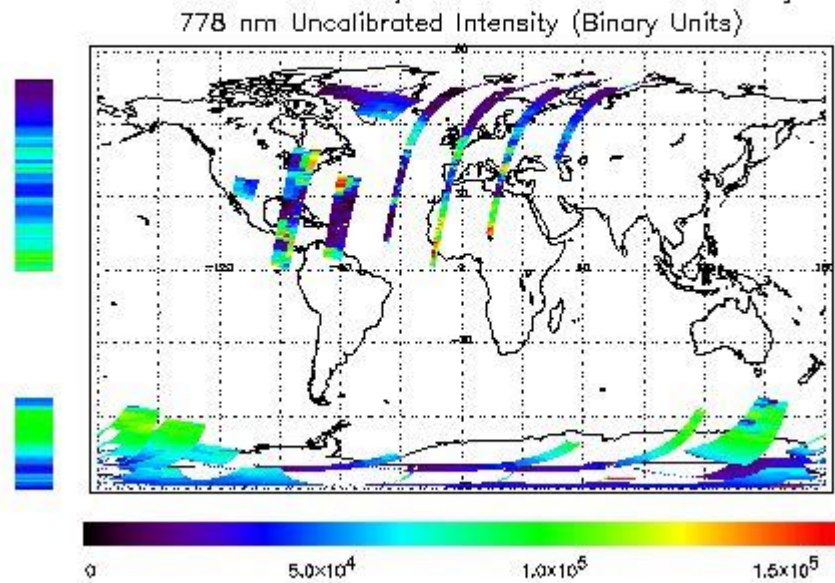
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical 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 explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

First Product : 15-OCT-2010 00:38:54.303 : ORBIT : 80961.0293
 Last Product : 15-OCT-2010 23:42:49.323 : ORBIT : 80974.7861
 Total Products Processed : 15899 Day : 288 Page : 21

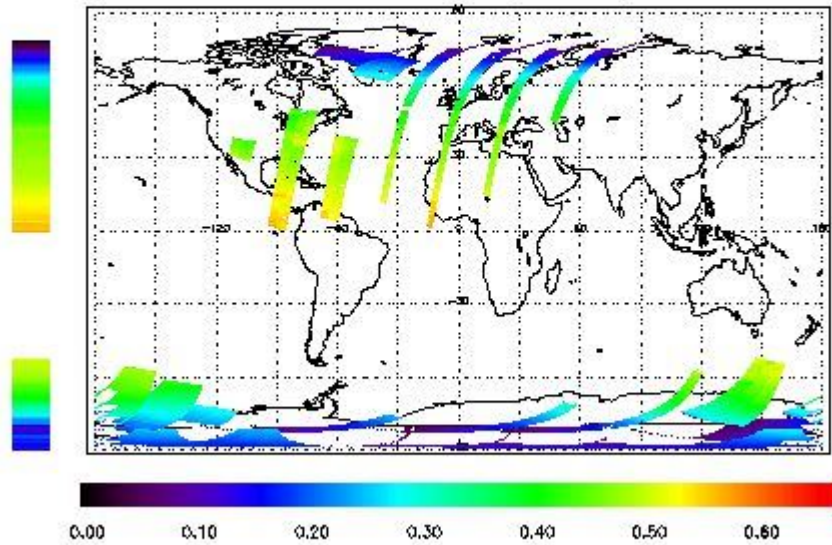


Ozone Line Ratio

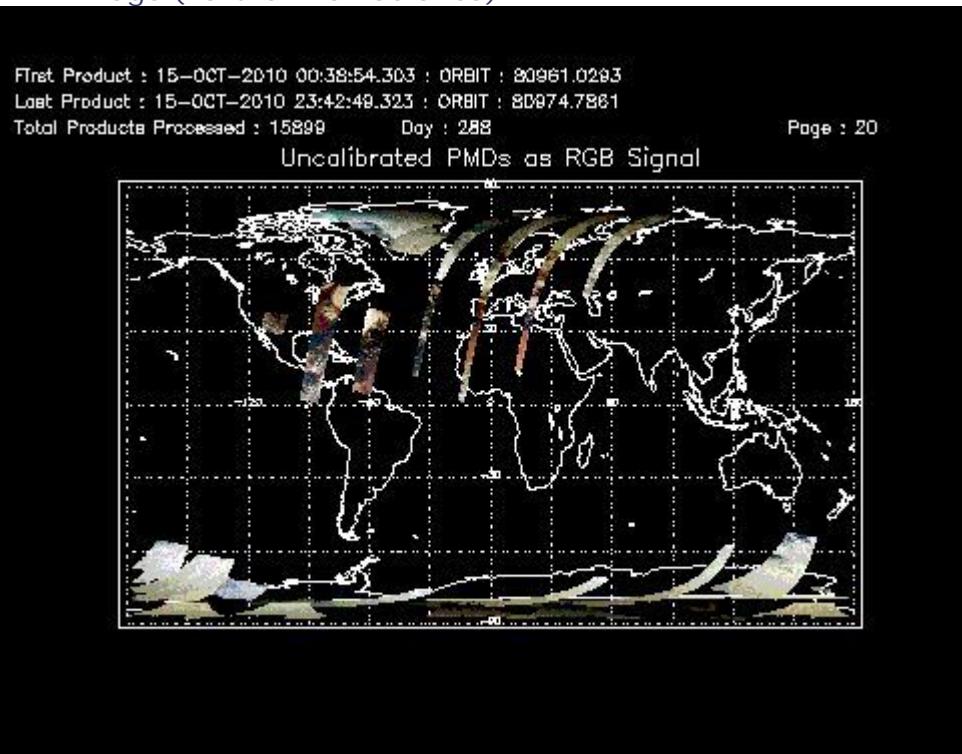
First Product : 15-OCT-2010 00:38:54.303 : ORBIT : 80961.0293
 Last Product : 15-OCT-2010 23:42:49.323 : ORBIT : 80974.7861
 Total Products Processed : 15899 Day : 288

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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	14:26:54.898	--	80969	Yes	--	15329

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
--	--	--	--	--

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
16:30	14:00	80956	80969

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