

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-AUG-2010
Start Time of First Product	23:55:11 (10-Aug)
Stop Time of Last Product	23:32:13
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100811GSEP2573.E2	11-AUG-2010	01:27:50.397
EGOI_100811GSEP2598.E2	11-AUG-2010	03:05:40.487
EGOI_100811GSEP2620.E2	11-AUG-2010	04:48:21.616
EGOI_100811GSEP2626.E2	11-AUG-2010	06:30:04.237
EGOI_100811HLEP6749.E2	11-AUG-2010	00:33:56.072
EGOI_100811HLEP6759.E2	11-AUG-2010	02:20:46.218
EGOI_100811HLEP6766.E2	11-AUG-2010	11:06:56.915
EGOI_100811KSEP6829.E2	10-AUG-2010	23:55:10.838
EGOI_100811KSEP6841.E2	11-AUG-2010	06:47:05.835

EGOI_100811KSEP6861.E2	11-AUG-2010	08:27:04.940
EGOI_100811KSEP6882.E2	11-AUG-2010	10:06:44.546
EGOI_100811KSEP6903.E2	11-AUG-2010	11:46:18.157
EGOI_100811KSEP6921.E2	11-AUG-2010	13:25:18.759
EGOI_100811KSEP6943.E2	11-AUG-2010	15:03:59.855
EGOI_100811KSEP6972.E2	11-AUG-2010	16:41:31.950
EGOI_100811KSEP7002.E2	11-AUG-2010	18:19:32.545
EGOI_100811KSEP7034.E2	11-AUG-2010	19:58:07.644
EGOI_100811KSEP7057.E2	11-AUG-2010	21:38:56.254
EGOI_100811KSEP7074.E2	11-AUG-2010	23:22:04.385
EGOI_100811MAEP5508.E2	11-AUG-2010	08:35:01.983
EGOI_100811MAEP5520.E2	11-AUG-2010	10:14:13.089
EGOI_100811MAEP5539.E2	11-AUG-2010	21:31:17.206
EGOI_100811MIEP8302.E2	11-AUG-2010	03:01:22.464
EGOI_100811MIEP8319.E2	11-AUG-2010	04:42:03.577
EGOI_100811MIEP8335.E2	11-AUG-2010	15:21:37.460
EGOI_100811MIEP8357.E2	11-AUG-2010	17:01:15.567
EGOI_100811MMEP2834.E2	11-AUG-2010	02:27:02.753
EGOI_100811MMEP2839.E2	11-AUG-2010	04:09:45.378
EGOI_100811MMEP2849.E2	11-AUG-2010	05:52:11.499
EGOI_100811MMEP2857.E2	11-AUG-2010	07:33:37.616
EGOI_100811MMEP2863.E2	11-AUG-2010	09:14:24.733
EGOI_100811MMEP2877.E2	11-AUG-2010	19:12:56.865
EGOI_100811MMEP2885.E2	11-AUG-2010	20:51:58.969
EGOI_100811MSEP5565.E2	11-AUG-2010	10:21:29.638
EGOI_100811MSEP5594.E2	11-AUG-2010	11:59:13.732
EGOI_100811MSEP5607.E2	11-AUG-2010	13:41:41.355
EGOI_100811MSEP5625.E2	11-AUG-2010	21:32:05.215
EGOI_100811MSEP5656.E2	11-AUG-2010	23:08:08.803
EGOI_100811SGEP7300.E2	11-AUG-2010	02:06:26.628
EGOI_100811SGEP7304.E2	11-AUG-2010	03:42:58.714
EGOI_100811SGEP7313.E2	11-AUG-2010	14:40:49.214
EGOI_100811SGEP7319.E2	11-AUG-2010	16:18:42.310

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80034	11-AUG-2010	06:45:47.763	06:47:05.835	78.072000
KS	80035	11-AUG-2010	08:25:08.749	08:27:04.939	116.19000
KS	80036	11-AUG-2010	10:04:46.384	10:06:44.546	118.16200
KS	80037	11-AUG-2010	11:44:16.443	11:46:18.156	121.71300
KS	80038	11-AUG-2010	13:23:21.044	13:25:18.759	117.71500
KS	80039	11-AUG-2010	15:01:53.275	15:03:59.854	126.57900

KS	80040	11-AUG-2010	16:39:29.827	16:41:31.949	122.12200
KS	80041	11-AUG-2010	18:17:23.792	18:19:32.545	128.75300
KS	80042	11-AUG-2010	19:56:28.503	19:58:07.644	99.141000
KS	80043	11-AUG-2010	21:37:22.780	21:38:56.254	93.474000
KS	80044	11-AUG-2010	23:20:51.562	23:22:04.385	72.823000
GS	80031	11-AUG-2010	01:26:24.287	01:27:50.396	86.109000
GS	80032	11-AUG-2010	03:04:06.644	03:05:40.487	93.843000
GS	80033	11-AUG-2010	04:46:55.600	04:48:21.616	86.016000
MS	80036	11-AUG-2010	10:19:26.529	10:21:29.638	123.10900
MS	80037	11-AUG-2010	11:57:09.629	11:59:13.732	124.10300
MS	80044	11-AUG-2010	23:06:23.807	23:08:08.803	104.99600
MA	80035	11-AUG-2010	08:33:56.121	08:35:01.982	65.861000
MA	80036	11-AUG-2010	10:12:51.139	10:14:13.089	81.950000
MA	80043	11-AUG-2010	21:28:58.312	21:31:17.205	138.89300
MI	80032	11-AUG-2010	02:59:31.186	03:01:22.463	111.27700
MI	80033	11-AUG-2010	04:40:18.294	04:42:03.576	105.28200
MI	80039	11-AUG-2010	15:19:45.351	15:21:37.460	112.10900
MI	80040	11-AUG-2010	16:59:25.609	17:01:15.567	109.95800
MM	80041	11-AUG-2010	19:11:10.970	19:12:56.864	105.89400
MM	80042	11-AUG-2010	20:50:37.634	20:51:58.969	81.335000
SG	80031	11-AUG-2010	02:05:04.775	02:06:26.627	81.852000
SG	80032	11-AUG-2010	03:41:07.600	03:42:58.713	111.11300
SG	80038	11-AUG-2010	14:37:30.286	14:40:49.214	198.92800
SG	80039	11-AUG-2010	16:16:37.877	16:18:42.310	124.43300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80030	11-AUG-2010	00:32:01.442	00:46:32.323	870.88100
MM	80030	11-AUG-2010	00:43:51.558	00:54:39.321	647.76300
BE	80031	11-AUG-2010	01:51:29.317	02:02:42.857	673.54000
BE	80032	11-AUG-2010	03:30:11.455	03:43:18.206	786.75100
CM	80032	11-AUG-2010	03:00:07.114	03:09:18.139	551.02500
CM	80033	11-AUG-2010	06:18:27.339	06:30:09.920	702.58100
JO	80034	11-AUG-2010	07:11:43.854	07:24:42.470	778.61600
JO	80035	11-AUG-2010	08:50:02.297	09:04:29.542	867.24500

HO	80036	11-AUG-2010	11:05:10.972	11:13:57.527	526.55500
MM	80036	11-AUG-2010	10:53:43.974	11:05:29.735	705.76100
HO	80037	11-AUG-2010	12:42:26.072	12:57:09.794	883.72200
MM	80037	11-AUG-2010	12:33:41.025	12:46:15.333	754.30800
MA	80037	11-AUG-2010	11:55:05.037	11:59:33.746	268.70900
HO	80038	11-AUG-2010	14:22:22.824	14:34:55.517	752.69300
MM	80038	11-AUG-2010	14:13:23.644	14:26:07.268	763.62400
SG	80038	11-AUG-2010	14:37:30.286	14:49:44.276	733.99000
BE	80039	11-AUG-2010	14:47:07.890	14:59:56.525	768.63500
MM	80039	11-AUG-2010	15:52:50.072	16:05:25.671	755.59900
GS	80039	11-AUG-2010	15:13:37.426	15:26:57.036	799.61000
CM	80039	11-AUG-2010	15:23:40.967	15:32:56.106	555.13900
MM	80040	11-AUG-2010	17:32:02.112	17:44:33.838	751.72600
GS	80040	11-AUG-2010	16:53:05.870	17:06:06.503	780.63300
CM	80040	11-AUG-2010	17:01:46.929	17:13:23.498	696.56900
JO	80041	11-AUG-2010	19:31:47.023	19:43:41.443	714.42000
MA	80042	11-AUG-2010	19:49:48.548	20:02:37.441	768.89300
JO	80042	11-AUG-2010	21:09:51.557	21:24:36.546	884.98900
HO	80043	11-AUG-2010	22:23:26.254	22:35:22.558	716.30400
MM	80043	11-AUG-2010	22:30:45.322	22:43:08.913	743.59100

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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	OK
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

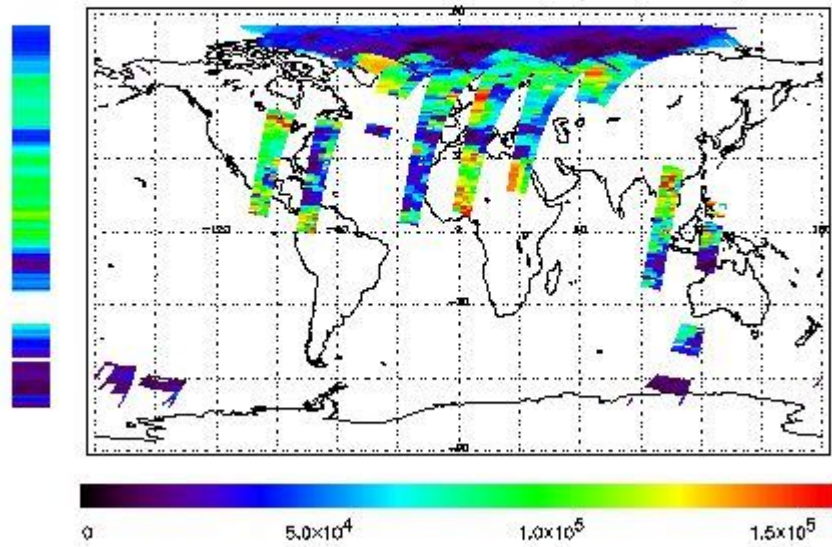
2.2 - Daily Plots

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

First Product : 10-AUG-2010 23:55:10.838 : ORBIT : 80030.1661
 Last Product : 11-AUG-2010 23:32:13.443 : ORBIT : 80044.2522
 Total Products Processed : 19045 Day : 223 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

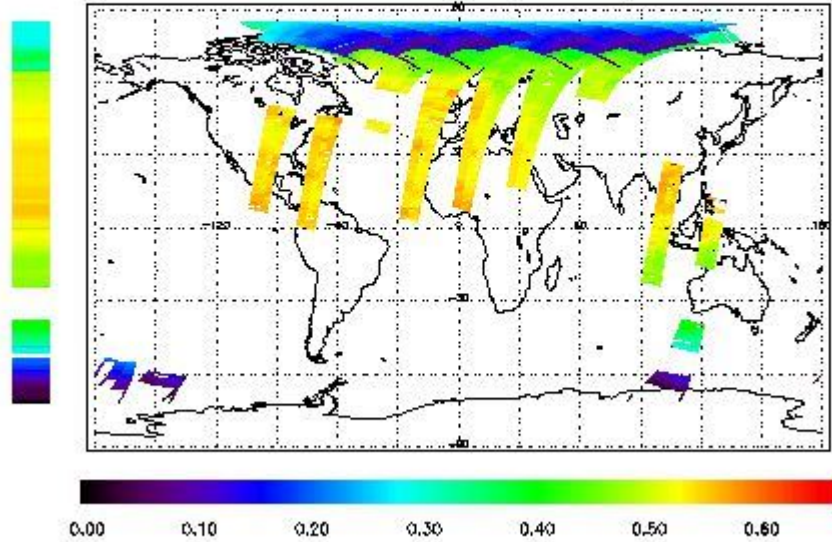


Ozone Line Ratio

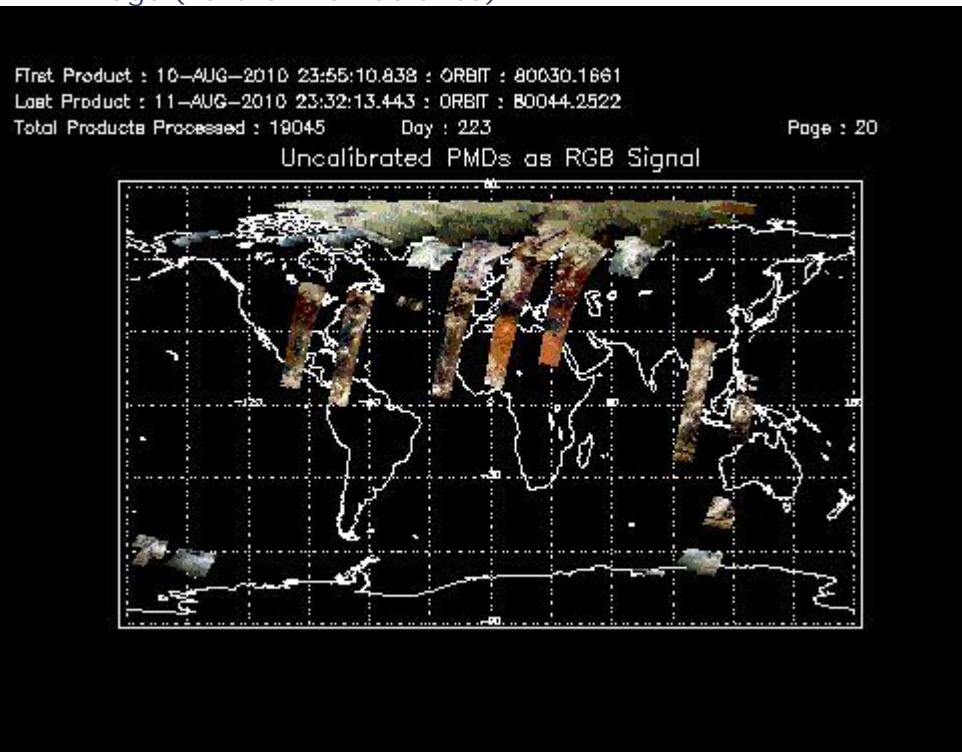
First Product : 10-AUG-2010 23:55:10.838 : ORBIT : 80030.1661
 Last Product : 11-AUG-2010 23:32:13.443 : ORBIT : 80044.2522
 Total Products Processed : 19045 Day : 223

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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	18:23:34.068	--	80041	Yes	--	14813

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
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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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(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