

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-JUN-2010
Start Time of First Product	23:59:36 (29-Jun)
Stop Time of Last Product	23:51:42
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_100630GSEP9689.E2	30-JUN-2010	01:46:32.368
EGOI_100630GSEP9721.E2	30-JUN-2010	03:25:11.969
EGOI_100630GSEP9731.E2	30-JUN-2010	05:08:14.102
EGOI_100630KSEP7420.E2	30-JUN-2010	07:06:43.317
EGOI_100630KSEP7438.E2	30-JUN-2010	08:46:40.929
EGOI_100630KSEP7459.E2	30-JUN-2010	10:26:20.532
EGOI_100630KSEP7488.E2	30-JUN-2010	12:05:46.639
EGOI_100630KSEP7501.E2	30-JUN-2010	13:44:45.749
EGOI_100630KSEP7514.E2	30-JUN-2010	15:23:17.844

EGOI_100630KSEP7541.E2	30-JUN-2010	17:00:43.942
EGOI_100630KSEP7572.E2	30-JUN-2010	18:38:43.038
EGOI_100630KSEP7598.E2	30-JUN-2010	20:17:37.644
EGOI_100630KSEP7624.E2	30-JUN-2010	21:59:00.759
EGOI_100630KSEP7647.E2	30-JUN-2010	23:42:55.393
EGOI_100630MAEP3953.E2	30-JUN-2010	08:54:09.472
EGOI_100630MAEP3963.E2	30-JUN-2010	10:33:49.079
EGOI_100630MAEP3981.E2	30-JUN-2010	20:11:09.101
EGOI_100630MAEP4003.E2	30-JUN-2010	21:51:00.712
EGOI_100630MIEP5070.E2	30-JUN-2010	17:21:30.565
EGOI_100630MMEP0496.E2	30-JUN-2010	01:04:51.617
EGOI_100630MMEP0504.E2	30-JUN-2010	04:29:57.364
EGOI_100630MMEP0512.E2	30-JUN-2010	06:12:11.481
EGOI_100630MMEP0527.E2	30-JUN-2010	21:11:42.472
EGOI_100630MMEP0536.E2	30-JUN-2010	22:51:41.576
EGOI_100630MSEP0689.E2	29-JUN-2010	23:59:36.215
EGOI_100630MSEP0711.E2	30-JUN-2010	10:40:23.619
EGOI_100630MSEP0739.E2	30-JUN-2010	12:19:03.221
EGOI_100630MSEP0762.E2	30-JUN-2010	21:50:21.708
EGOI_100630MSEP0793.E2	30-JUN-2010	23:27:59.803
EGOI_100630SGEP6703.E2	30-JUN-2010	02:32:17.649
EGOI_100630SGEP6710.E2	30-JUN-2010	04:11:33.247
EGOI_100630SGEP6716.E2	30-JUN-2010	14:59:13.199
EGOI_100630SGEP6723.E2	30-JUN-2010	16:39:25.813

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79433	30-JUN-2010	07:05:36.099	07:06:43.317	67.218000
KS	79434	30-JUN-2010	08:45:04.031	08:46:40.929	96.898000
KS	79435	30-JUN-2010	10:24:41.539	10:26:20.532	98.993000
KS	79436	30-JUN-2010	12:04:08.029	12:05:46.639	98.610000
KS	79437	30-JUN-2010	13:43:05.163	13:44:45.748	100.585000
KS	79438	30-JUN-2010	15:21:17.210	15:23:17.844	120.634000
KS	79439	30-JUN-2010	16:58:59.510	17:00:43.941	104.431000
KS	79440	30-JUN-2010	18:37:05.779	18:38:43.038	97.259000
KS	79441	30-JUN-2010	20:16:29.417	20:17:37.644	68.227000
KS	79442	30-JUN-2010	21:57:50.194	21:59:00.758	70.564000
GS	79431	30-JUN-2010	03:24:10.992	03:25:11.968	60.976000
MS	79429	29-JUN-2010	23:58:14.332	23:59:36.214	81.882000
MS	79435	30-JUN-2010	10:38:37.294	10:40:23.619	106.325000

MS	79436	30-JUN-2010	12:17:16.659	12:19:03.220	106.56100
MS	79442	30-JUN-2010	21:49:11.633	21:50:21.707	70.074000
MS	79443	30-JUN-2010	23:26:20.992	23:27:59.803	98.811000
MA	79435	30-JUN-2010	10:32:42.187	10:33:49.079	66.892000
MA	79441	30-JUN-2010	20:09:12.497	20:11:09.101	116.60400
MA	79442	30-JUN-2010	21:49:57.483	21:51:00.712	63.229000
MI	79439	30-JUN-2010	17:20:00.269	17:21:30.564	90.295000
MM	79441	30-JUN-2010	21:10:35.217	21:11:42.472	67.255000
SG	79430	30-JUN-2010	02:23:20.996	02:32:17.649	536.65300
SG	79431	30-JUN-2010	04:01:15.268	04:11:33.246	617.97800
SG	79437	30-JUN-2010	14:56:46.182	14:59:13.199	147.01700
SG	79438	30-JUN-2010	16:37:24.528	16:39:25.813	121.28500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79429	30-JUN-2010	00:52:26.335	01:06:12.444	826.10900
KS	79429	30-JUN-2010	00:15:56.864	00:19:32.904	216.04000
BE	79430	30-JUN-2010	02:10:57.738	02:23:19.357	741.61900
MM	79430	30-JUN-2010	02:46:56.908	02:55:07.405	490.49700
MI	79430	30-JUN-2010	01:45:14.920	01:49:23.653	248.73300
BE	79431	30-JUN-2010	03:50:14.234	04:02:46.705	752.47100
MI	79431	30-JUN-2010	03:19:06.986	03:32:27.262	800.27600
CM	79431	30-JUN-2010	03:18:57.506	03:29:54.055	656.54900
CM	79431	30-JUN-2010	04:58:23.556	05:08:49.796	626.24000
MI	79432	30-JUN-2010	05:01:47.050	05:09:04.100	437.05000
MM	79433	30-JUN-2010	07:53:12.607	08:01:29.164	496.55700
JO	79433	30-JUN-2010	07:30:53.768	07:44:57.939	844.17100
MM	79434	30-JUN-2010	09:33:36.710	09:44:06.963	630.25300
JO	79434	30-JUN-2010	09:10:26.654	09:23:57.945	811.29100
HO	79435	30-JUN-2010	11:24:03.949	11:35:02.761	658.81200
MM	79435	30-JUN-2010	11:13:44.458	11:25:43.838	719.38000
HO	79436	30-JUN-2010	13:02:13.508	13:17:02.597	889.08900
MM	79436	30-JUN-2010	12:53:38.762	13:06:17.463	758.70100
HO	79437	30-JUN-2010	14:42:36.689	14:53:07.055	630.36600
MM	79437	30-JUN-2010	14:33:18.262	14:46:00.880	762.61800

GS	79437	30-JUN-2010	13:56:17.564	14:03:15.776	418.21200
SG	79437	30-JUN-2010	14:56:46.182	15:10:05.588	799.40600
BE	79438	30-JUN-2010	15:07:33.917	15:19:31.355	717.43800
MM	79438	30-JUN-2010	16:12:41.433	16:25:15.411	753.97800
MI	79438	30-JUN-2010	15:39:19.716	15:52:30.618	790.90200
GS	79438	30-JUN-2010	15:33:22.884	15:47:08.693	825.80900
CM	79438	30-JUN-2010	15:42:41.746	15:53:45.109	663.36300
MM	79439	30-JUN-2010	17:51:51.583	18:04:24.007	752.42400
GS	79439	30-JUN-2010	17:13:10.801	17:25:24.602	733.80100
CM	79439	30-JUN-2010	17:22:10.176	17:32:29.890	619.71400
MM	79440	30-JUN-2010	19:31:02.105	19:43:42.736	760.63100
JO	79440	30-JUN-2010	19:50:58.881	20:04:27.262	808.38100
JO	79441	30-JUN-2010	21:29:56.936	21:44:03.156	846.22000
HO	79442	30-JUN-2010	22:42:32.185	22:55:26.470	774.28500

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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 Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK

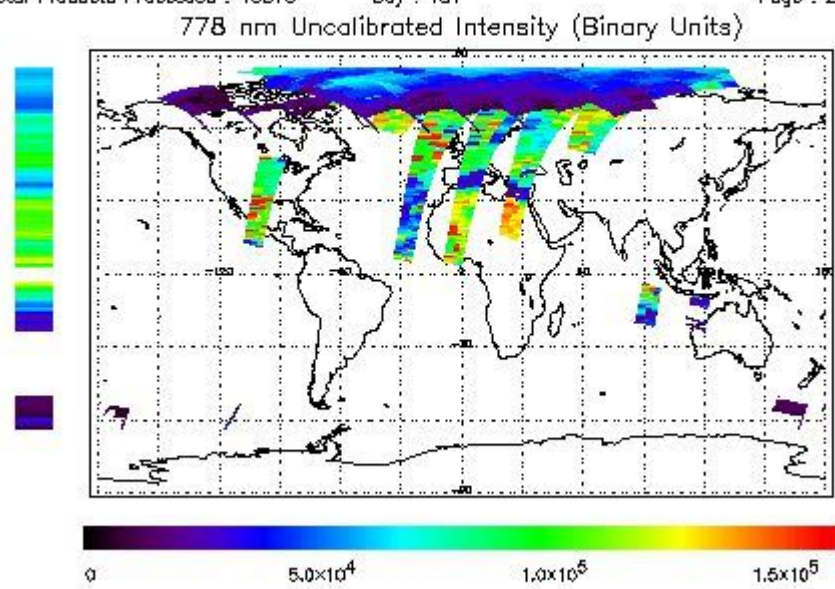
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs 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 : 29-JUN-2010 23:59:36.215 : ORBIT : 79429.0101
 Last Product : 30-JUN-2010 23:51:41.947 : ORBIT : 79443.2458
 Total Products Processed : 15573 Day : 181 Page : 21

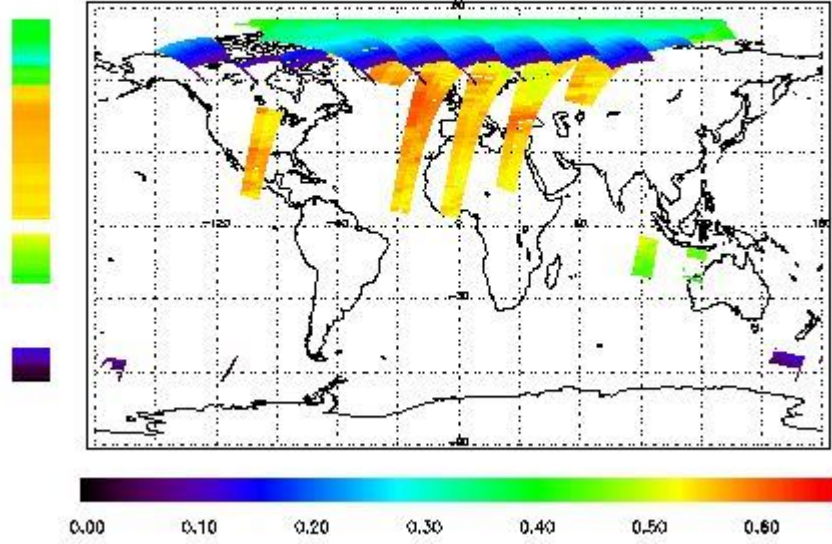


Ozone Line Ratio

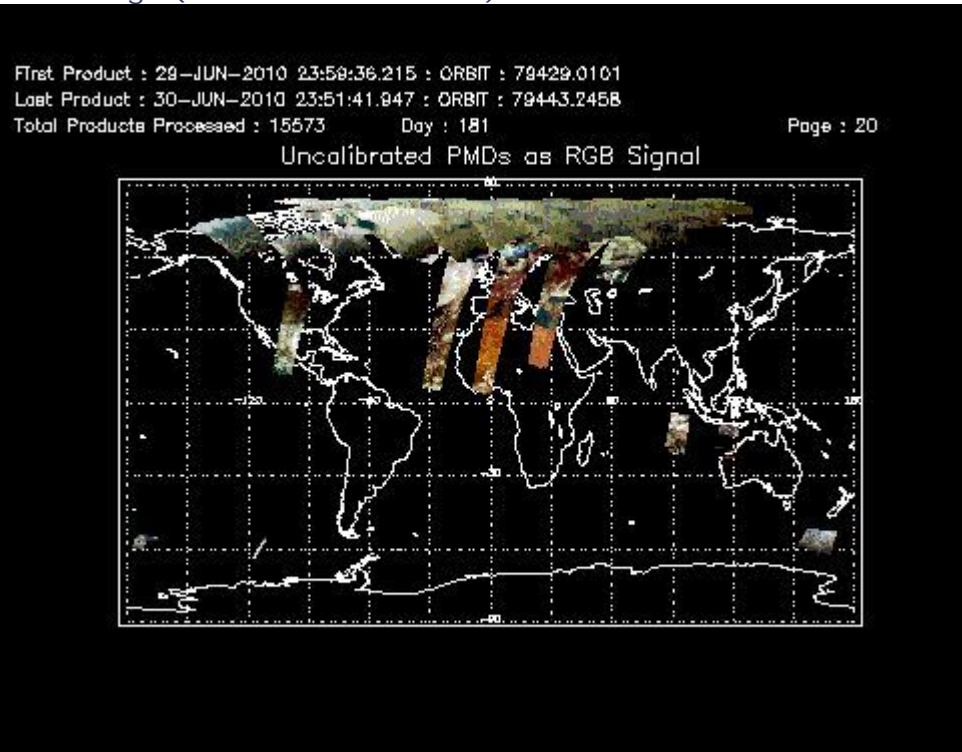
First Product : 29-JUN-2010 23:59:36.215 : ORBIT : 79429.0101
 Last Product : 30-JUN-2010 23:51:41.947 : ORBIT : 79443.2458
 Total Products Processed : 15573 Day : 181

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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	17:00:43.942	--	79439	No Start	--	14665

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

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
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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