

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-JUL-2010
Start Time of First Product	23:46:02 (19-Jul)
Stop Time of Last Product	23:23:31
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100720GSEP1113.E2	20-JUL-2010	02:56:37.506
EGOI_100720GSEP1135.E2	20-JUL-2010	04:39:00.631
EGOI_100720GSEP1141.E2	20-JUL-2010	06:20:56.756
EGOI_100720HLEP6139.E2	20-JUL-2010	22:17:07.074
EGOI_100720KSEP1406.E2	19-JUL-2010	23:46:01.848
EGOI_100720KSEP1428.E2	20-JUL-2010	06:38:26.854
EGOI_100720KSEP1446.E2	20-JUL-2010	08:18:19.967
EGOI_100720KSEP1465.E2	20-JUL-2010	09:58:01.077
EGOI_100720KSEP1487.E2	20-JUL-2010	11:37:37.682

EGOI_100720KSEP1516.E2	20-JUL-2010	13:16:38.282
EGOI_100720KSEP1543.E2	20-JUL-2010	14:55:22.389
EGOI_100720KSEP1572.E2	20-JUL-2010	16:33:00.479
EGOI_100720KSEP1602.E2	20-JUL-2010	18:10:58.078
EGOI_100720KSEP1627.E2	20-JUL-2010	19:49:21.181
EGOI_100720KSEP1648.E2	20-JUL-2010	21:29:57.792
EGOI_100720KSEP1673.E2	20-JUL-2010	23:12:53.918
EGOI_100720MAEP4712.E2	20-JUL-2010	08:26:48.514
EGOI_100720MAEP4725.E2	20-JUL-2010	10:05:37.123
EGOI_100720MAEP4742.E2	20-JUL-2010	21:22:26.243
EGOI_100720MIEP6743.E2	20-JUL-2010	02:52:53.990
EGOI_100720MIEP6767.E2	20-JUL-2010	04:32:57.596
EGOI_100720MIEP6793.E2	20-JUL-2010	15:13:02.990
EGOI_100720MIEP6815.E2	20-JUL-2010	16:52:21.597
EGOI_100720MMEP1632.E2	20-JUL-2010	02:18:05.772
EGOI_100720MMEP1638.E2	20-JUL-2010	04:00:48.397
EGOI_100720MMEP1655.E2	20-JUL-2010	20:43:17.002
EGOI_100720MMEP1663.E2	20-JUL-2010	22:23:25.117
EGOI_100720MSEP3006.E2	20-JUL-2010	10:13:10.168
EGOI_100720MSEP3035.E2	20-JUL-2010	11:50:33.263
EGOI_100720MSEP3056.E2	20-JUL-2010	13:32:26.381
EGOI_100720MSEP3072.E2	20-JUL-2010	21:24:14.252
EGOI_100720MSEP3104.E2	20-JUL-2010	22:59:16.332

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79719	20-JUL-2010	06:37:19.704	06:38:26.854	67.150000
KS	79720	20-JUL-2010	08:16:36.626	08:18:19.966	103.34000
KS	79721	20-JUL-2010	09:56:14.072	09:58:01.076	107.00400
KS	79722	20-JUL-2010	11:35:45.445	11:37:37.682	112.23700
KS	79723	20-JUL-2010	13:14:53.004	13:16:38.281	105.27700
KS	79724	20-JUL-2010	14:53:31.292	14:55:22.389	111.09700
KS	79725	20-JUL-2010	16:31:09.098	16:33:00.478	111.38000
KS	79726	20-JUL-2010	18:08:58.102	18:10:58.077	119.97500
KS	79727	20-JUL-2010	19:47:55.184	19:49:21.180	85.996000
KS	79728	20-JUL-2010	21:28:38.603	21:29:57.792	79.189000
KS	79729	20-JUL-2010	23:11:51.265	23:12:53.917	62.652000
GS	79717	20-JUL-2010	02:55:33.869	02:56:37.505	63.636000
GS	79718	20-JUL-2010	04:37:46.988	04:39:00.631	73.643000
MS	79721	20-JUL-2010	10:11:18.488	10:13:10.168	111.68000

MS	79722	20-JUL-2010	11:48:38.214	11:50:33.263	115.04900
MS	79729	20-JUL-2010	22:57:55.167	22:59:16.332	81.165000
MA	79720	20-JUL-2010	08:25:36.266	08:26:48.513	72.247000
MA	79721	20-JUL-2010	10:04:17.074	10:05:37.122	80.048000
MA	79728	20-JUL-2010	21:20:18.114	21:22:26.242	128.12800
MI	79717	20-JUL-2010	02:51:12.204	02:52:53.989	101.78500
MI	79718	20-JUL-2010	04:31:19.734	04:32:57.596	97.862000
MI	79724	20-JUL-2010	15:11:26.344	15:13:02.989	96.645000
MI	79725	20-JUL-2010	16:50:41.976	16:52:21.597	99.621000
MM	79727	20-JUL-2010	20:42:04.904	20:43:17.002	72.098000
MM	79728	20-JUL-2010	22:22:08.275	22:23:25.116	76.841000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79715	20-JUL-2010	00:23:24.214	00:38:02.355	878.14100
MM	79715	20-JUL-2010	00:35:07.265	00:46:04.018	656.75300
BE	79716	20-JUL-2010	01:43:12.879	01:53:46.466	633.58700
HO	79716	20-JUL-2010	02:07:51.851	02:13:39.960	348.10900
GS	79716	20-JUL-2010	01:18:14.767	01:29:21.535	666.76800
BE	79717	20-JUL-2010	03:21:37.646	03:34:53.640	795.99400
SG	79717	20-JUL-2010	03:32:34.729	03:46:26.834	832.10500
CM	79717	20-JUL-2010	02:52:14.013	03:00:18.995	484.98200
CM	79717	20-JUL-2010	04:29:10.264	04:41:12.741	722.47700
MM	79718	20-JUL-2010	05:43:11.040	05:49:02.376	351.33600
MM	79719	20-JUL-2010	07:24:26.600	07:32:02.076	455.47600
JO	79719	20-JUL-2010	07:03:36.816	07:15:57.885	741.06900
MM	79720	20-JUL-2010	09:04:57.566	09:14:53.130	595.56400
JO	79720	20-JUL-2010	08:41:22.659	08:56:05.178	882.51900
MM	79721	20-JUL-2010	10:45:09.319	10:56:48.601	699.28200
MM	79722	20-JUL-2010	12:25:07.530	12:37:39.473	751.94300
MA	79722	20-JUL-2010	11:45:54.590	11:52:02.065	367.47500
HO	79723	20-JUL-2010	14:13:43.466	14:26:38.785	775.31900
MM	79723	20-JUL-2010	14:04:51.464	14:17:35.315	763.85100
SG	79723	20-JUL-2010	14:29:21.922	14:40:54.414	692.49200
BE	79724	20-JUL-2010	14:38:27.169	14:51:30.359	783.19000

MM	79724	20-JUL-2010	15:44:19.302	15:56:55.672	756.37000
GS	79724	20-JUL-2010	15:05:11.099	15:18:13.918	782.81900
SG	79724	20-JUL-2010	16:07:51.482	16:20:36.326	764.84400
CM	79724	20-JUL-2010	15:15:43.621	15:23:48.358	484.73700
MM	79725	20-JUL-2010	17:23:32.296	17:36:03.878	751.58200
GS	79725	20-JUL-2010	16:44:30.652	16:57:46.850	796.19800
CM	79725	20-JUL-2010	16:53:07.824	17:05:05.452	717.62800
MM	79726	20-JUL-2010	19:02:40.715	19:15:18.687	757.97200
JO	79726	20-JUL-2010	19:23:40.546	19:34:38.893	658.34700
MA	79727	20-JUL-2010	19:41:33.374	19:53:48.579	735.20500
JO	79727	20-JUL-2010	21:01:17.582	21:16:12.160	894.57800
HO	79728	20-JUL-2010	22:15:19.634	22:26:43.828	684.19400
JO	79728	20-JUL-2010	22:43:41.016	22:50:33.591	412.57500
HO	79729	20-JUL-2010	23:52:19.125	00:06:48.354	869.22900

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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

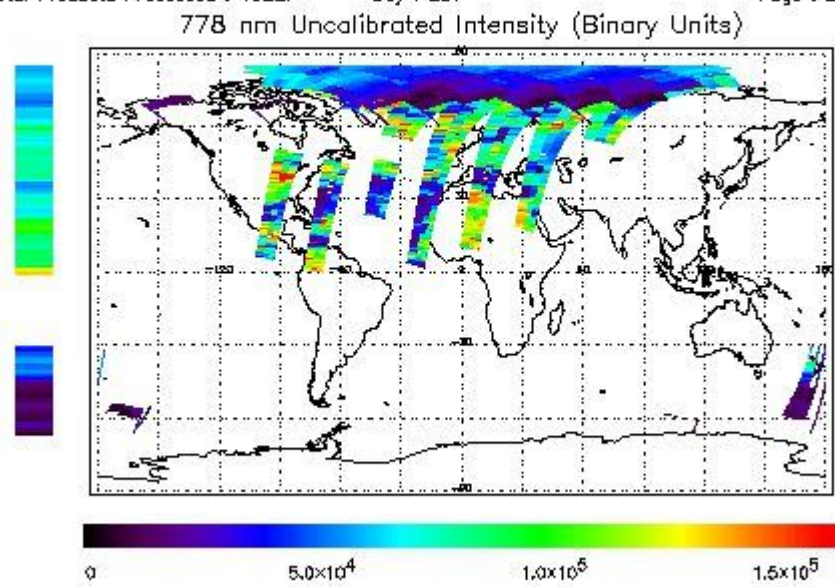
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs 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 : 19-JUL-2010 23:46:01.848 : ORBIT : 79715.1609
 Last Product : 20-JUL-2010 23:23:31.484 : ORBIT : 79729.2514
 Total Products Processed : 15227 Day : 201 Page : 21

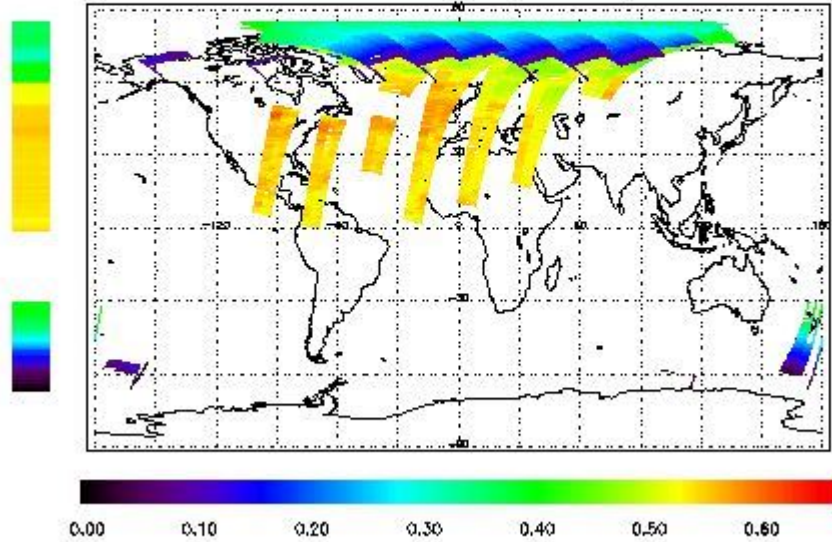


Ozone Line Ratio

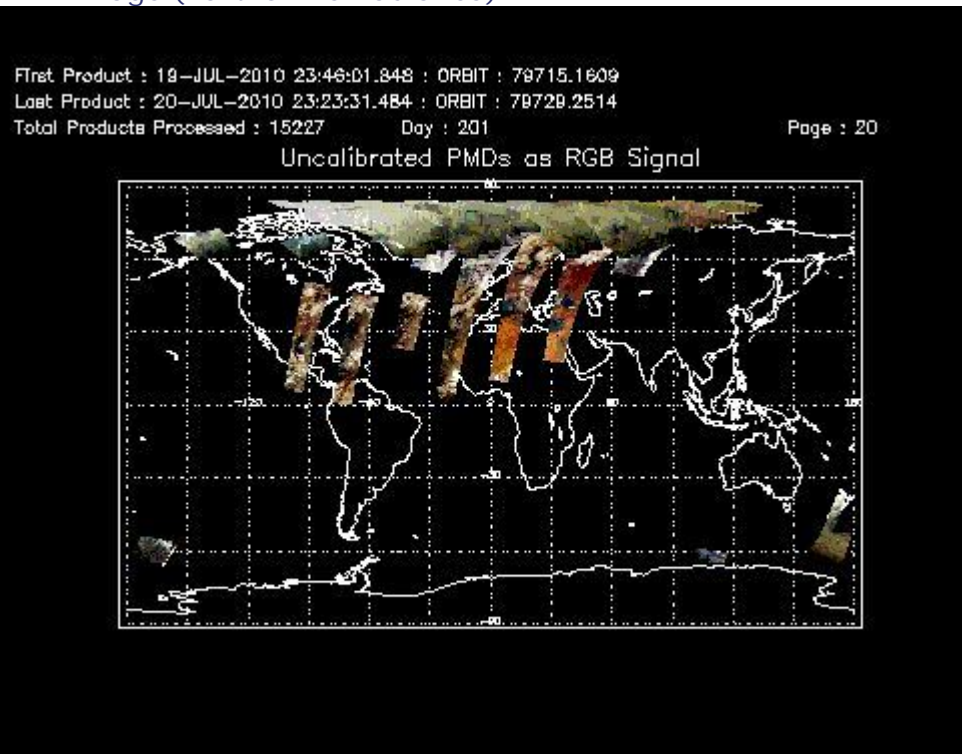
First Product : 19-JUL-2010 23:46:01.848 : ORBIT : 79715.1609
 Last Product : 20-JUL-2010 23:23:31.484 : ORBIT : 79729.2514
 Total Products Processed : 15227 Day : 201

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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	19:53:45.200	--	79727	Yes	--	14550

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
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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
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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