GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-JUL-2009
Start Time of First Product	00:21:07
Stop Time of Last Product	23:16:53
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal data

1.2 - List of received products

Name	Date	Time
EGOI_090708GSEP4071.E2	08-JUL-2009	02:06:55.574
EGOI_090708GSEP4098.E2	08-JUL-2009	03:46:21.680
EGOI_090708GSEP4106.E2	08-JUL-2009	05:29:04.301
EGOI_090708HLEP1946.E2	08-JUL-2009	01:15:10.261
EGOI_090708HLEP1955.E2	08-JUL-2009	15:05:25.798
EGOI_090708HLEP1961.E2	08-JUL-2009	23:04:18.205
EGOI_090708KSEP3995.E2	08-JUL-2009	07:27:27.523
EGOI_090708KSEP4018.E2	08-JUL-2009	09:07:26.624
EGOI_090708KSEP4043.E2	08-JUL-2009	10:47:04.734

EGOI_090708KSEP4073.E2	08-JUL-2009	12:26:26.333
EGOI_090708KSEP4094.E2	08-JUL-2009	14:05:23.934
EGOI_090708KSEP4123.E2	08-JUL-2009	15:43:26.032
EGOI_090708KSEP4155.E2	08-JUL-2009	17:21:13.123
EGOI_090708KSEP4181.E2	08-JUL-2009	18:59:03.221
EGOI_090708KSEP4215.E2	08-JUL-2009	20:38:32.319
EGOI_090708KSEP4243.E2	08-JUL-2009	22:20:22.440
EGOI_090708MAEP1446.E2	08-JUL-2009	09:15:13.171
EGOI_090708MAEP1455.E2	08-JUL-2009	10:54:42.281
EGOI_090708MAEP1461.E2	08-JUL-2009	18:59:03.221
EGOI_090708MAEP1476.E2	08-JUL-2009	22:12:32.893
EGOI_090708MIEP3445.E2	08-JUL-2009	02:04:15.059
EGOI_090708MIEP3467.E2	08-JUL-2009	03:41:45.652
EGOI_090708MIEP3483.E2	08-JUL-2009	05:25:35.777
EGOI_090708MIEP3501.E2	08-JUL-2009	14:24:43.556
EGOI_090708MIEP3517.E2	08-JUL-2009	16:01:21.638
EGOI_090708MIEP3524.E2	08-JUL-2009	17:42:47.752
EGOI_090708MSEP9574.E2	08-JUL-2009	00:21:06.933
EGOI_090708MSEP9597.E2	08-JUL-2009	11:00:21.312
EGOI_090708MSEP9624.E2	08-JUL-2009	12:39:50.415
EGOI_090708MSEP9647.E2	08-JUL-2009	22:09:53.873
EGOI_090708SGEP8186.E2	08-JUL-2009	02:44:13.801
EGOI_090708SGEP8192.E2	08-JUL-2009	04:23:38.406

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74323	08-JUL-2009	07:25:27.156	07:27:27.523	120.36700
KS	74324	08-JUL-2009	09:04:59.598	09:07:26.624	147.02600
KS	74325	08-JUL-2009	10:44:36.256	10:47:04.733	148.47700
KS	74326	08-JUL-2009	12:23:58.449	12:26:26.333	147.88400
KS	74327	08-JUL-2009	14:02:51.920	14:05:23.933	152.01300
KS	74328	08-JUL-2009	15:40:50.683	15:43:26.032	155.34900
KS	74329	08-JUL-2009	17:18:41.011	17:21:13.123	152.11200
KS	74330	08-JUL-2009	18:56:50.915	18:59:03.220	132.30500
KS	74331	08-JUL-2009	20:36:34.999	20:38:32.319	117.32000
GS	74320	08-JUL-2009	02:04:57.403	02:06:55.573	118.17000
GS	74321	08-JUL-2009	03:44:27.245	03:46:21.680	114.43500
MS	74319	08-JUL-2009	00:18:57.894	00:21:06.932	129.03800
MS	74325	08-JUL-2009	10:57:45.878	11:00:21.311	155.43300
MS	74326	08-JUL-2009	12:37:22.158	12:39:50.414	148.25600

MS	74332	08-JUL-2009	22:08:02.038	22:09:53.873	111.83500
MS	74333	08-JUL-2009	23:46:33.574	23:48:46.974	133.40000
MA	74324	08-JUL-2009	09:13:33.778	09:15:13.170	99.392000
MA	74325	08-JUL-2009	10:52:48.328	10:54:42.280	113.95200
MA	74330	08-JUL-2009	18:55:53.079	18:59:03.220	190.14100
MA	74332	08-JUL-2009	22:11:22.161	22:12:32.893	70.732000
MI	74320	08-JUL-2009	02:02:41.702	02:04:15.059	93.357000
MI	74321	08-JUL-2009	03:38:58.144	03:41:45.651	167.50700
MI	74327	08-JUL-2009	14:23:33.682	14:24:43.556	69.874000
MI	74328	08-JUL-2009	15:59:05.584	16:01:21.637	136.05300
MI	74329	08-JUL-2009	17:41:07.337	17:42:47.751	100.41400
SG	74320	08-JUL-2009	02:42:17.748	02:44:13.801	116.05300
SG	74321	08-JUL-2009	04:21:40.694	04:23:38.406	117.71200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74319	08-JUL-2009	01:24:44.459	01:34:45.561	601.10200
BE	74320	08-JUL-2009	02:30:36.243	02:43:38.967	782.72400
MM	74320	08-JUL-2009	03:07:33.913	03:15:15.616	461.70300
CM	74320	08-JUL-2009	03:38:13.231	03:50:10.137	716.90600
BE	74321	08-JUL-2009	04:10:23.041	04:22:02.092	699.05100
MM	74321	08-JUL-2009	04:50:34.909	04:56:28.249	353.34000
MM	74322	08-JUL-2009	06:32:30.465	06:38:59.872	389.40700
CM	74322	08-JUL-2009	05:19:28.210	05:27:36.148	487.93800
MM	74323	08-JUL-2009	08:13:19.236	08:22:04.630	525.39400
JO	74323	08-JUL-2009	07:50:19.780	08:05:03.669	883.88900
MM	74324	08-JUL-2009	09:53:39.355	10:04:31.590	652.23500
JO	74324	08-JUL-2009	09:31:11.498	09:43:10.586	719.08800
MM	74325	08-JUL-2009	11:33:44.408	11:45:55.365	730.95700
MM	74326	08-JUL-2009	13:13:35.909	13:26:17.560	761.65100
MM	74327	08-JUL-2009	14:53:12.212	15:05:53.332	761.12000
GS	74327	08-JUL-2009	14:15:08.984	14:24:51.345	582.36100
SG	74327	08-JUL-2009	15:16:20.327	15:30:09.958	829.63100
BE	74328	08-JUL-2009	15:28:18.718	15:38:54.296	635.57800
MM	74328	08-JUL-2009	16:32:32.229	16:45:04.937	752.70800

GS	74328	08-JUL-2009	15:53:13.015	16:07:08.895	835.88000
SG	74328	08-JUL-2009	16:58:57.584	17:05:41.351	403.76700
CM	74328	08-JUL-2009	16:02:05.822	16:14:07.638	721.81600
MM	74329	08-JUL-2009	18:11:41.038	18:24:14.619	753.58100
GS	74329	08-JUL-2009	17:33:20.232	17:44:31.054	670.82200
CM	74329	08-JUL-2009	17:42:57.962	17:51:05.910	487.94800
MM	74330	08-JUL-2009	19:50:54.144	20:03:36.378	762.23400
JO	74330	08-JUL-2009	20:10:26.760	20:24:52.330	865.57000
MM	74331	08-JUL-2009	21:30:34.624	21:43:14.581	759.95700
MA	74331	08-JUL-2009	20:28:47.807	20:42:32.301	824.49400
JO	74331	08-JUL-2009	21:50:11.970	22:03:13.769	781.79900
MM	74332	08-JUL-2009	23:11:04.103	23:23:07.919	723.81600
MS	74333	08-JUL-2009	23:46:33.574	23:59:20.390	766.81600

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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

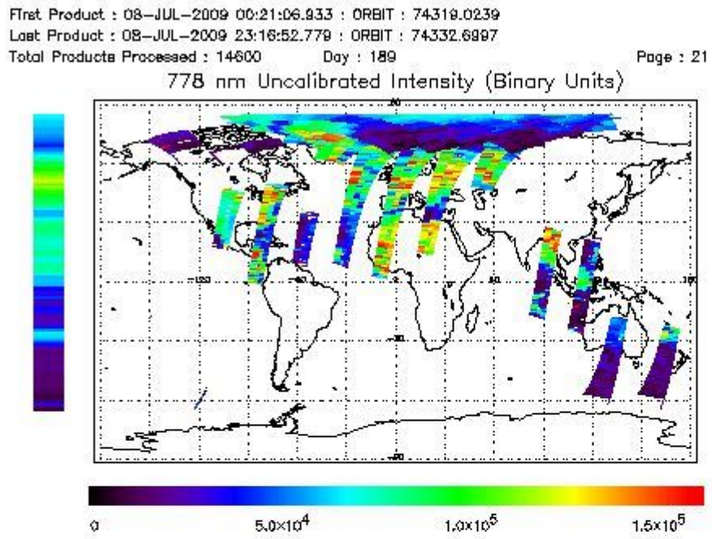
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	Ok
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

(1)

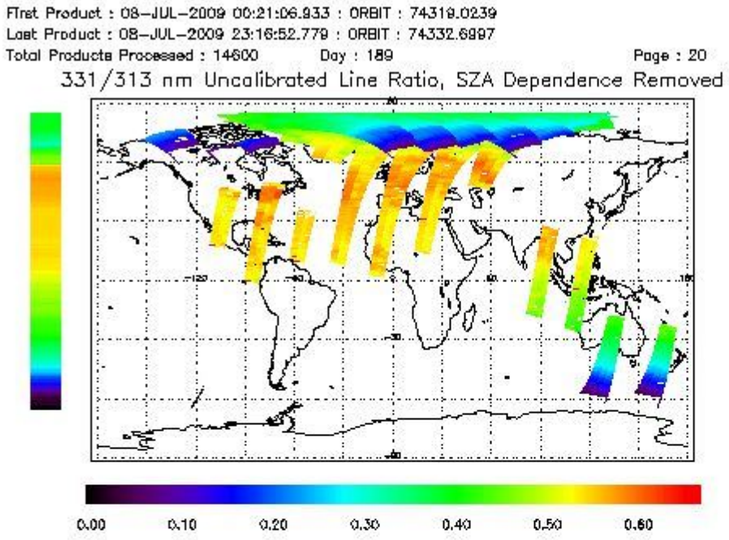
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

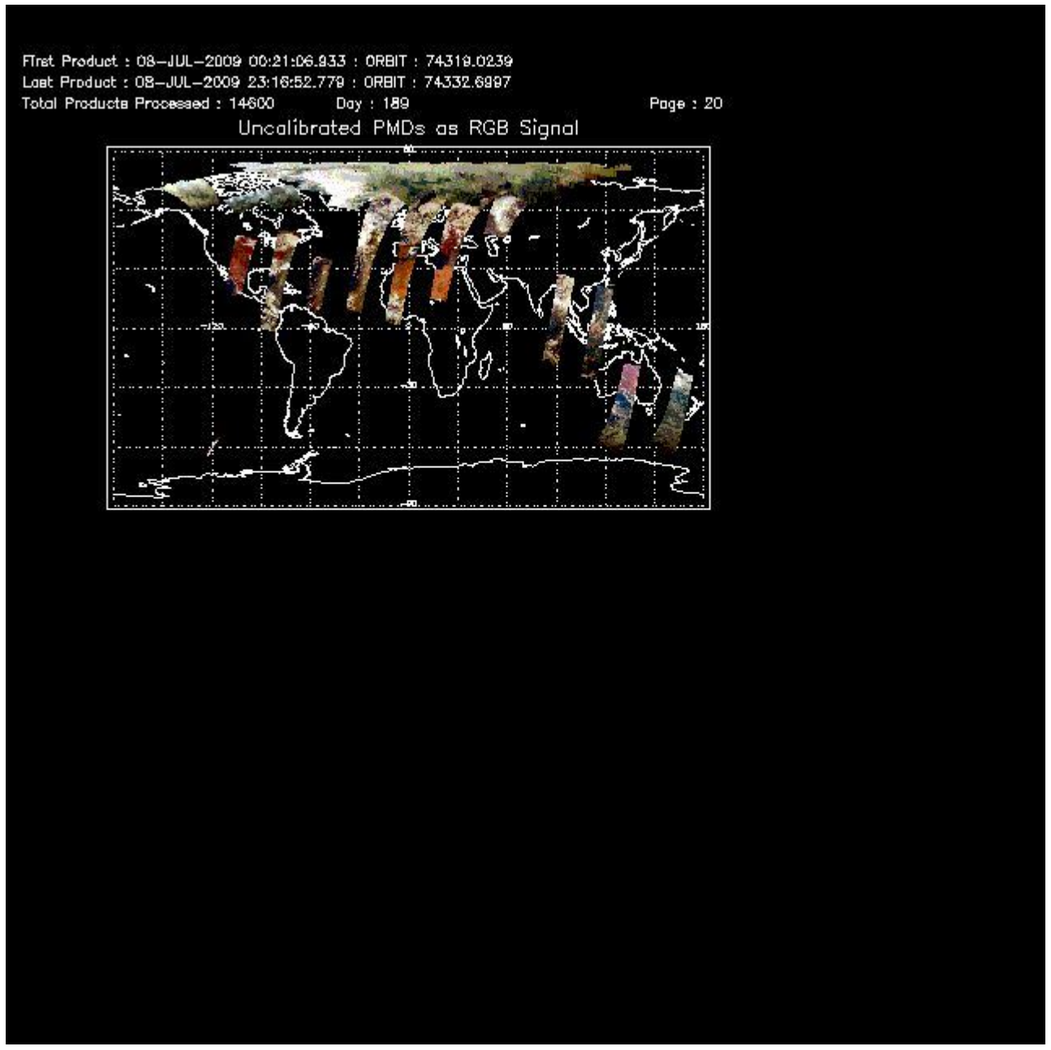
NEAR IR Intensity



Ozone Line Ratio



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 (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	17:21:38.627	--	74329	Y	--	14720

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any)(V)	Lamp Failure N. (if any)
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(2)(3)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--	--

(2)

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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(2)

[BACK TO MENU]

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5 - Instrument Operations

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--

(2)

5.3 - Power Cycle

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
--	--	--	--

[BACK TO MENU]

Legend:
(1) The Instrument Indicators field has the values: OK or NOK (Not OK)
(2) The Ground Station Visibility field has the values: Y (in case of visibility); NS (No Start); NE (No End). This occurs since the failure of the on-board recorder (2003)
(3) 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