GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-AUG-2009
Start Time of First Product	23:46:06 (28-AUG-2009)
Stop Time of Last Product	23:28:14
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_090829BEEP0554.E2	29-AUG-2009	01:59:47.151
EGOI_090829BEEP0563.E2	29-AUG-2009	03:44:40.281
EGOI_090829GSEP7646.E2	29-AUG-2009	01:33:54.492
EGOI_090829GSEP7654.E2	29-AUG-2009	03:12:22.090
EGOI_090829GSEP7662.E2	29-AUG-2009	04:54:57.215
EGOI_090829HLEP3541.E2	29-AUG-2009	00:42:36.178
EGOI_090829HLEP3550.E2	29-AUG-2009	11:15:50.522
EGOI_090829HLEP3556.E2	29-AUG-2009	12:53:10.612
EGOI_090829HLEP3565.E2	29-AUG-2009	14:33:14.219

EGOI_090829HLEP3574.E2	29-AUG-2009	22:33:53.133
EGOI_090829KSEP7844.E2	29-AUG-2009	06:53:24.933
EGOI_090829KSEP7892.E2	29-AUG-2009	10:13:03.638
EGOI_090829KSEP7918.E2	29-AUG-2009	11:52:37.244
EGOI_090829KSEP7937.E2	29-AUG-2009	13:31:33.347
EGOI_090829KSEP7965.E2	29-AUG-2009	15:10:15.946
EGOI_090829KSEP7986.E2	29-AUG-2009	16:47:45.032
EGOI_090829KSEP8010.E2	29-AUG-2009	18:25:39.630
EGOI_090829KSEP8042.E2	29-AUG-2009	21:45:22.840
EGOI_090829KSEP8061.E2	29-AUG-2009	23:28:44.469
EGOI_090829MAEP3246.E2	29-AUG-2009	08:41:48.086
EGOI_090829MAEP3256.E2	29-AUG-2009	10:20:27.689
EGOI_090829MAEP3266.E2	29-AUG-2009	19:58:56.694
EGOI_090829MIEP7969.E2	29-AUG-2009	03:07:34.059
EGOI_090829MIEP7994.E2	29-AUG-2009	04:49:03.180
EGOI_090829MIEP8006.E2	29-AUG-2009	15:27:44.547
EGOI_090829MIEP8029.E2	29-AUG-2009	17:07:57.154
EGOI_090829MSEP5415.E2	28-AUG-2009	23:46:05.838
EGOI_090829MSEP5434.E2	29-AUG-2009	10:27:36.733
EGOI_090829MSEP5463.E2	29-AUG-2009	12:05:28.319
EGOI_090829MSEP5472.E2	29-AUG-2009	13:48:25.945
EGOI_090829MSEP5495.E2	29-AUG-2009	21:38:00.293
EGOI_090829MSEP5528.E2	29-AUG-2009	23:14:30.880
EGOI_090829SGEP9286.E2	29-AUG-2009	02:12:23.227
EGOI_090829SGEP9295.E2	29-AUG-2009	03:49:01.309

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75067	29-AUG-2009	06:51:26.928	06:53:24.933	118.00500
KS	75069	29-AUG-2009	10:10:27.892	10:13:03.637	155.74500
KS	75070	29-AUG-2009	11:49:57.004	11:52:37.243	160.23900
KS	75071	29-AUG-2009	13:28:59.552	13:31:33.347	153.79500
KS	75072	29-AUG-2009	15:07:26.938	15:10:15.945	169.00700
KS	75073	29-AUG-2009	16:45:03.689	16:47:45.032	161.34300
KS	75074	29-AUG-2009	18:23:01.201	18:25:39.630	158.42900
KS	75076	29-AUG-2009	21:43:12.838	21:45:22.840	130.00200
GS	75064	29-AUG-2009	01:31:51.917	01:33:54.492	122.57500
GS	75065	29-AUG-2009	03:09:49.597	03:12:22.089	152.49200
MS	75069	29-AUG-2009	10:24:53.840	10:27:36.732	162.89200
MS	75070	29-AUG-2009	12:02:55.690	12:05:28.319	152.62900

MS	75077	29-AUG-2009	23:12:04.365	23:14:30.880	146.51500
MA	75068	29-AUG-2009	08:39:42.577	08:41:48.085	125.50800
MA	75069	29-AUG-2009	10:18:32.228	10:20:27.688	115.46000
MA	75075	29-AUG-2009	19:55:19.906	19:58:56.693	216.78700
MI	75065	29-AUG-2009	03:05:05.523	03:07:34.058	148.53500
MI	75066	29-AUG-2009	04:46:21.033	04:49:03.179	162.14600
MI	75072	29-AUG-2009	15:25:19.555	15:27:44.547	144.99200
MI	75073	29-AUG-2009	17:05:16.312	17:07:57.153	160.84100
BE	75064	29-AUG-2009	01:57:01.877	01:59:47.150	165.27300
BE	75065	29-AUG-2009	03:35:54.539	03:44:40.280	525.74100
SG	75064	29-AUG-2009	02:10:11.598	02:12:23.227	131.62900
SG	75065	29-AUG-2009	03:46:51.040	03:49:01.308	130.26800

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	75063	29-AUG-2009	00:49:41.349	01:00:22.913	641.56400
KS	75063	29-AUG-2009	00:00:21.743	00:05:49.727	327.98400
MM	75064	29-AUG-2009	02:32:14.023	02:40:45.198	511.17500
MM	75065	29-AUG-2009	04:15:19.450	04:21:38.554	379.10400
CM	75065	29-AUG-2009	03:05:26.843	03:15:13.887	587.04400
CM	75065	29-AUG-2009	04:43:40.977	04:55:06.366	685.38900
MM	75066	29-AUG-2009	05:57:43.494	06:03:42.496	359.00200
MM	75067	29-AUG-2009	07:38:49.969	07:46:45.864	475.89500
JO	75067	29-AUG-2009	07:17:10.583	07:30:30.875	800.29200
MM	75068	29-AUG-2009	09:19:17.304	09:29:30.672	613.36800
KS	75068	29-AUG-2009	08:30:50.216	08:43:47.423	777.20700
JO	75068	29-AUG-2009	08:55:50.337	09:10:04.659	854.32200
MM	75069	29-AUG-2009	10:59:27.021	11:11:16.887	709.86600
MM	75070	29-AUG-2009	12:39:23.294	12:51:59.013	755.71900
MM	75071	29-AUG-2009	14:19:05.029	14:31:48.429	763.40000
SG	75071	29-AUG-2009	14:42:58.399	14:55:35.188	756.78900
BE	75072	29-AUG-2009	14:52:56.538	15:05:33.145	756.60700
MM	75072	29-AUG-2009	15:58:30.521	16:11:05.628	755.10700
GS	75072	29-AUG-2009	15:19:15.589	15:32:44.461	808.87200
SG	75072	29-AUG-2009	16:22:31.133	16:34:15.217	704.08400

CM	75072	29-AUG-2009	15:29:03.735	15:38:56.438	592.70300
MM	75073	29-AUG-2009	17:37:41.971	17:50:13.844	751.87300
GS	75073	29-AUG-2009	16:58:49.727	17:11:38.513	768.78600
CM	75073	29-AUG-2009	17:07:34.581	17:18:53.431	678.85000
MM	75074	29-AUG-2009	19:16:51.211	19:29:30.541	759.33000
JO	75074	29-AUG-2009	19:37:14.049	19:49:39.948	745.89900
MM	75075	29-AUG-2009	20:56:19.623	21:09:03.091	763.46800
KS	75075	29-AUG-2009	20:02:11.160	20:16:08.421	837.26100
JO	75075	29-AUG-2009	21:15:35.059	21:30:11.365	876.30600
MM	75076	29-AUG-2009	22:36:30.258	22:48:51.492	741.23400
MA	75076	29-AUG-2009	21:34:46.500	21:47:38.588	772.08800

[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

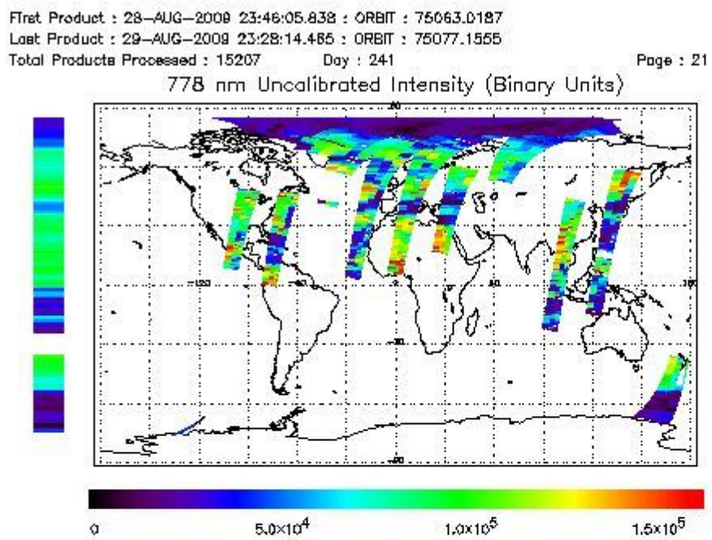
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

(1)

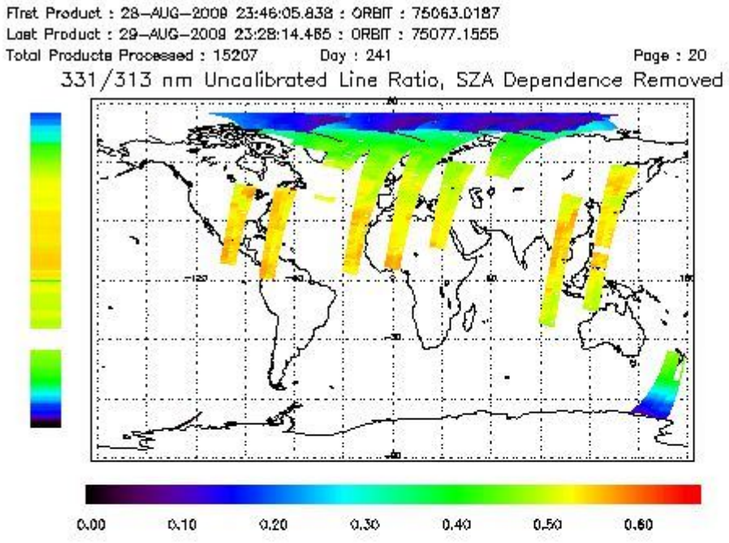
2.2 - Daily Plots

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

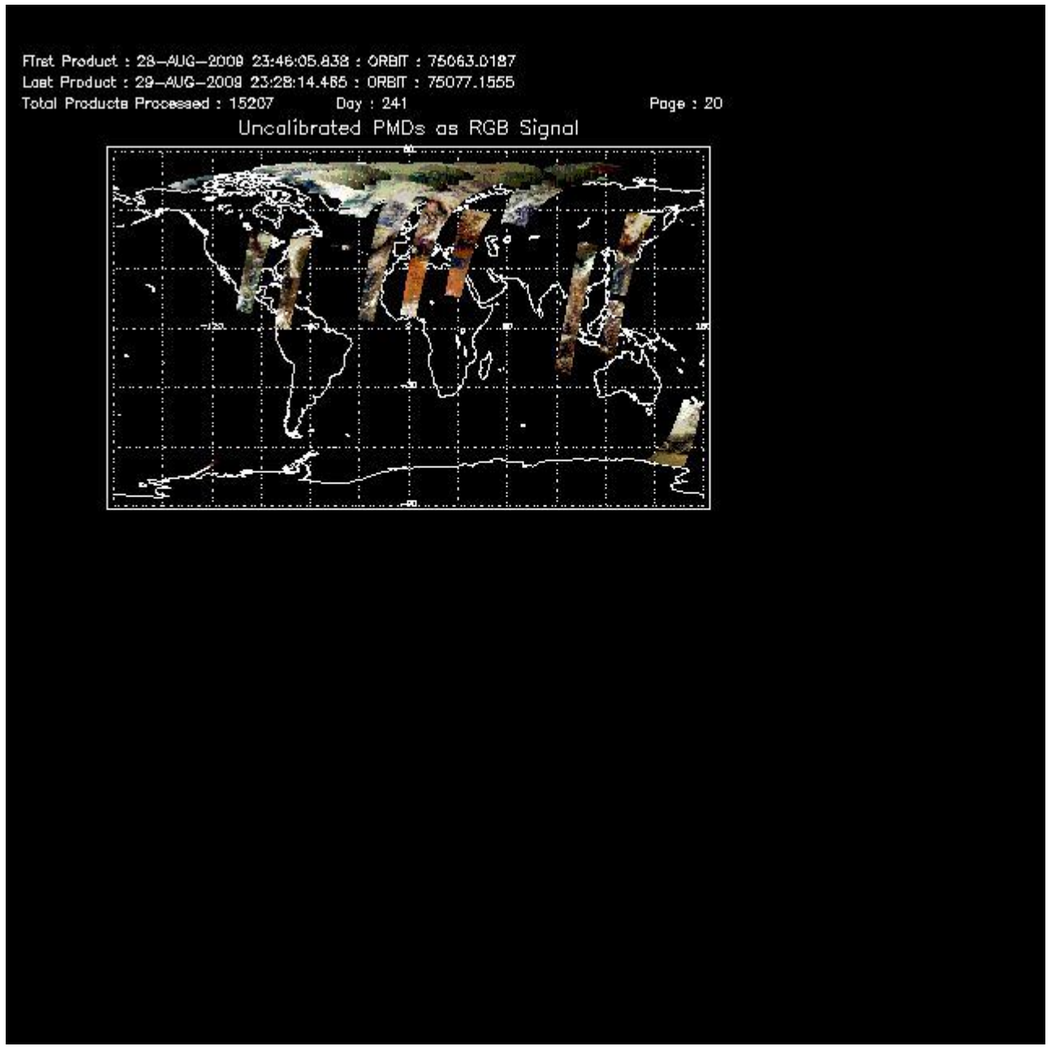
NEAR IR Intensity



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	16:51:10.550	--	75073	Y	--	14948

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/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)
--	--	--	--	--	--	--	--

(2)(3)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

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

(2)

4.2 - Instrument Off

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

(2)

4.3 - Cooler Switchings

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

(2)

[BACK TO MENU]

---

5 - Instrument Operations

5.1 - Timeline Interruptions

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

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

(2)

5.4 - Wrong Command Execution

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

(2)

5.5 - Narrow Swath Timeline

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

5.6 - Seasonal Operations

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

[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