GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-SEP-2009
Start Time of First Product	07:01:58
Stop Time of Last Product	23:47:01
Number of EGOI Products analysed	14
Number of corrupted products	--
Anomalies and/or Special Operations	Due to a problem in the ground segment data have been received only from Kiruna and Matera stations

1.2 - List of received products

Name	Date	Time
EGOI_090920KSEP3336.E2	20-SEP-2009	07:01:57.528
EGOI_090920KSEP3358.E2	20-SEP-2009	08:41:56.633
EGOI_090920KSEP3380.E2	20-SEP-2009	10:21:36.239
EGOI_090920KSEP3404.E2	20-SEP-2009	12:01:08.344
EGOI_090920KSEP3425.E2	20-SEP-2009	13:40:04.442
EGOI_090920KSEP3453.E2	20-SEP-2009	15:18:41.043
EGOI_090920KSEP3470.E2	20-SEP-2009	16:56:08.633
EGOI_090920KSEP3503.E2	20-SEP-2009	18:34:04.731
EGOI_090920KSEP3538.E2	20-SEP-2009	20:12:54.829

EGOI_090920KSEP3569.E2	20-SEP-2009	21:54:04.442
EGOI_090920KSEP3588.E2	20-SEP-2009	23:37:38.071
EGOI_090920MAEP4061.E2	20-SEP-2009	08:49:43.180
EGOI_090920MAEP4074.E2	20-SEP-2009	10:29:03.282
EGOI_090920MAEP4097.E2	20-SEP-2009	20:06:36.793

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75382	20-SEP-2009	06:59:56.238	07:01:57.527	121.28900
KS	75383	20-SEP-2009	08:39:22.483	08:41:56.633	154.15000
KS	75384	20-SEP-2009	10:19:00.104	10:21:36.238	156.13400
KS	75385	20-SEP-2009	11:58:27.687	12:01:08.344	160.65700
KS	75386	20-SEP-2009	13:37:27.033	13:40:04.442	157.40900
KS	75387	20-SEP-2009	15:15:45.517	15:18:41.043	175.52600
KS	75388	20-SEP-2009	16:53:24.456	16:56:08.632	164.17600
KS	75389	20-SEP-2009	18:31:27.761	18:34:04.730	156.96900
KS	75390	20-SEP-2009	20:10:45.834	20:12:54.829	128.99500
KS	75391	20-SEP-2009	21:51:58.867	21:54:04.442	125.57500
KS	75392	20-SEP-2009	23:35:56.765	23:37:38.071	101.30600
MA	75383	20-SEP-2009	08:47:50.089	08:49:43.179	113.09000
MA	75384	20-SEP-2009	10:27:01.875	10:29:03.281	121.40600
MA	75390	20-SEP-2009	20:03:38.754	20:06:36.792	178.03800

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75378	20-SEP-2009	00:46:36.604	01:00:36.378	839.77400
MM	75378	20-SEP-2009	00:58:26.435	01:08:58.399	631.96400
MS	75378	19-SEP-2009	23:52:23.173	00:04:55.788	752.61500
KS	75378	20-SEP-2009	00:09:39.762	00:14:06.319	266.55700
BE	75379	20-SEP-2009	02:05:22.705	02:17:27.972	725.26700
MM	75379	20-SEP-2009	02:41:03.672	02:49:22.448	498.77600
GS	75379	20-SEP-2009	01:40:05.194	01:52:23.675	738.48100
SG	75379	20-SEP-2009	02:18:02.261	02:28:05.596	603.33500
BE	75380	20-SEP-2009	03:44:30.008	03:57:14.133	764.12500
MM	75380	20-SEP-2009	04:24:08.951	04:30:20.074	371.12300

MI	75380	20-SEP-2009	03:13:29.454	03:26:45.303	795.84900
GS	75380	20-SEP-2009	03:18:25.733	03:32:09.933	824.20000
SG	75380	20-SEP-2009	03:55:28.578	04:08:51.430	802.85200
CM	75380	20-SEP-2009	03:13:31.518	03:24:03.356	631.83800
CM	75380	20-SEP-2009	04:52:28.904	05:03:21.850	652.94600
MM	75381	20-SEP-2009	06:06:26.112	06:12:31.247	365.13500
MI	75381	20-SEP-2009	04:55:32.515	05:03:52.183	499.66800
MM	75382	20-SEP-2009	07:47:27.632	07:55:35.914	488.28200
JO	75382	20-SEP-2009	07:25:23.457	07:39:11.746	828.28900
MM	75383	20-SEP-2009	09:27:52.986	09:38:16.599	623.61300
JO	75383	20-SEP-2009	09:04:35.003	09:18:25.464	830.46100
HO	75384	20-SEP-2009	11:18:38.841	11:28:55.493	616.65200
MM	75384	20-SEP-2009	11:08:01.515	11:19:57.216	715.70100
MS	75384	20-SEP-2009	10:33:07.042	10:43:44.824	637.78200
HO	75385	20-SEP-2009	12:56:33.148	13:11:22.585	889.43700
MM	75385	20-SEP-2009	12:47:56.610	13:00:34.210	757.60000
MS	75385	20-SEP-2009	12:11:30.016	12:24:22.825	772.80900
HO	75386	20-SEP-2009	14:36:49.153	14:48:20.781	691.62800
MM	75386	20-SEP-2009	14:27:37.009	14:40:19.974	762.96500
SG	75386	20-SEP-2009	14:51:13.873	15:04:18.529	784.65600
BE	75387	20-SEP-2009	15:01:41.926	15:13:56.693	734.76700
MM	75387	20-SEP-2009	16:07:01.103	16:19:35.514	754.41100
MI	75387	20-SEP-2009	15:33:42.903	15:46:45.388	782.48500
GS	75387	20-SEP-2009	15:27:43.660	15:41:23.722	820.06200
SG	75387	20-SEP-2009	16:31:25.163	16:42:19.937	654.77400
CM	75387	20-SEP-2009	15:37:12.910	15:47:51.459	638.54900
MM	75388	20-SEP-2009	17:46:11.742	17:58:43.915	752.17300
MI	75388	20-SEP-2009	17:14:05.272	17:24:13.993	608.72100
GS	75388	20-SEP-2009	17:07:26.116	17:19:54.853	748.73700
CM	75388	20-SEP-2009	17:16:18.724	17:27:04.859	646.13500
MM	75389	20-SEP-2009	19:25:21.694	19:38:01.816	760.12200
JO	75389	20-SEP-2009	19:45:27.842	19:58:33.729	785.88700
MM	75390	20-SEP-2009	21:04:52.870	21:17:35.790	762.92000
JO	75390	20-SEP-2009	21:24:11.634	21:38:31.366	859.73200
HO	75391	20-SEP-2009	22:37:02.665	22:49:42.877	760.21200
MM	75391	20-SEP-2009	22:45:08.037	22:57:25.450	737.41300

MA	75391	20-SEP-2009	21:43:49.478	21:56:01.369	731.89100

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

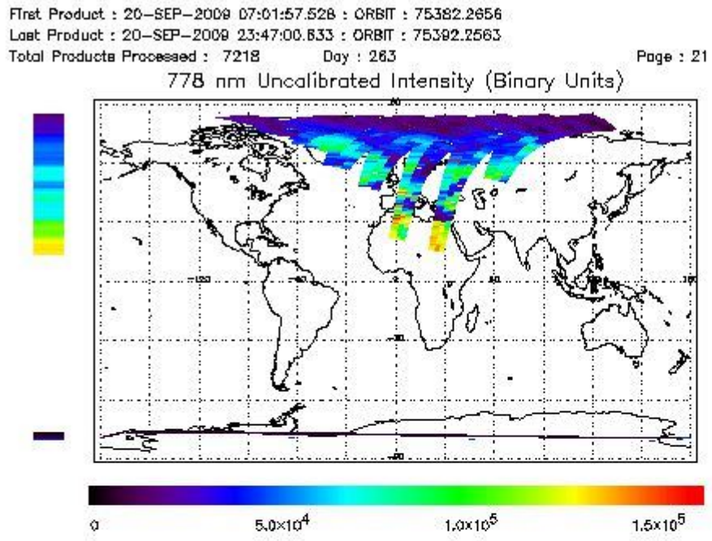
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	South Polar View operations
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)

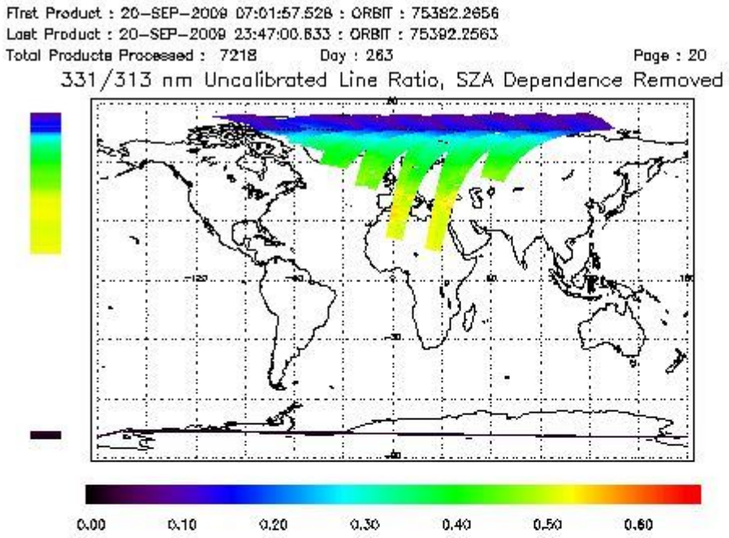
2.2 - Daily Plots

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

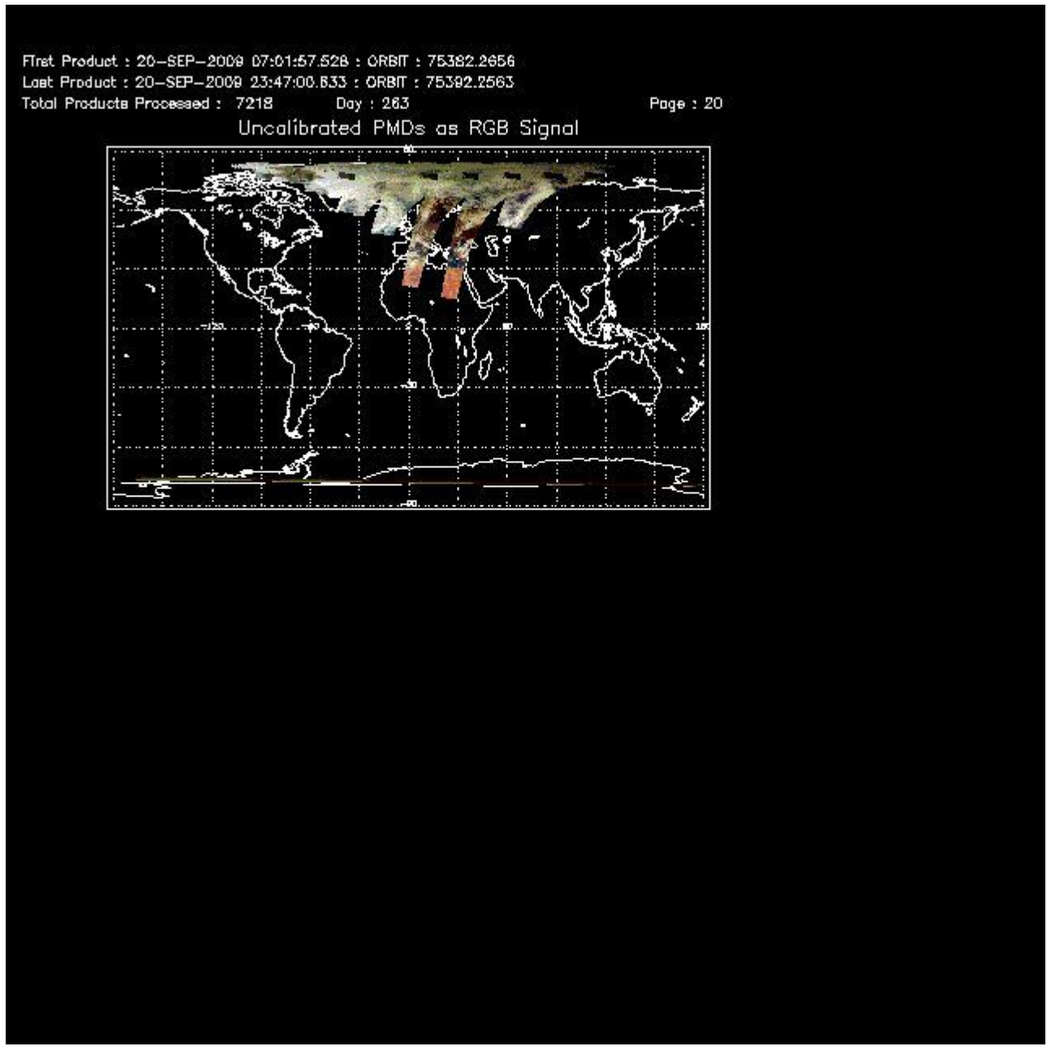
NEAR IR Intensity



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	18:42:55.780	--	75389	Y	--	15117

(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)
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(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)
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(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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(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
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[BACK TO MENU]

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5 - Instrument Operations

5.1 - Timeline Interruptions

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

5.2 - TST44

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

5.3 - Power Cycle

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

5.4 - Wrong Command Execution

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

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

01:00 05-Sep	--	75164	--

[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