GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-OCT-2009
Start Time of First Product	00:54:40
Stop Time of Last Product	18:05:50
Number of EGOI Products analysed	24
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091020BEEP0951.E2	20-OCT-2009	04:45:32.166
EGOI_091020GSEP1108.E2	20-OCT-2009	01:01:21.791
EGOI_091020GSEP1140.E2	20-OCT-2009	02:37:56.882
EGOI_091020GSEP1169.E2	20-OCT-2009	04:18:48.501
EGOI_091020GSEP1176.E2	20-OCT-2009	06:01:05.629
EGOI_091020KSEP1375.E2	20-OCT-2009	06:19:20.737
EGOI_091020KSEP1404.E2	20-OCT-2009	07:59:13.854
EGOI_091020KSEP1429.E2	20-OCT-2009	09:38:51.965
EGOI_091020KSEP1455.E2	20-OCT-2009	11:18:31.572

EGOI_091020KSEP1483.E2	20-OCT-2009	12:57:39.679
EGOI_091020KSEP1496.E2	20-OCT-2009	14:36:29.782
EGOI_091020KSEP1521.E2	20-OCT-2009	16:14:10.885
EGOI_091020KSEP1553.E2	20-OCT-2009	17:52:12.985
EGOI_091020KSEP1588.E2	20-OCT-2009	19:30:09.084
EGOI_091020KSEP1622.E2	20-OCT-2009	21:10:23.200
EGOI_091020KSEP1644.E2	20-OCT-2009	22:52:58.327
EGOI_091020MAEP5036.E2	20-OCT-2009	09:46:29.508
EGOI_091020MIEP1881.E2	20-OCT-2009	02:34:25.359
EGOI_091020MIEP1908.E2	20-OCT-2009	04:13:52.970
EGOI_091020MIEP1933.E2	20-OCT-2009	14:54:35.896
EGOI_091020MIEP1962.E2	20-OCT-2009	16:32:55.995
EGOI_091020MSEP1184.E2	20-OCT-2009	00:54:39.748
EGOI_091020MSEP1207.E2	20-OCT-2009	11:31:30.154
EGOI_091020MSEP1230.E2	20-OCT-2009	13:12:14.265
EGOI_091020MSEP1257.E2	20-OCT-2009	22:40:28.256
EGOI_091020SGEP0575.E2	20-OCT-2009	04:56:45.732
EGOI_091020SGEP0583.E2	20-OCT-2009	14:12:50.641
EGOI_091020SGEP0589.E2	20-OCT-2009	15:50:22.736

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75811	20-OCT-2009	06:17:38.836	06:19:20.736	101.90000
KS	75812	20-OCT-2009	07:56:42.142	07:59:13.854	151.71200
KS	75813	20-OCT-2009	09:36:18.515	09:38:51.965	153.45000
KS	75814	20-OCT-2009	11:15:52.469	11:18:31.572	159.10300
KS	75815	20-OCT-2009	12:55:06.351	12:57:39.678	153.32700
KS	75816	20-OCT-2009	14:33:51.552	14:36:29.782	158.23000
KS	75817	20-OCT-2009	16:11:32.920	16:14:10.884	157.96400
KS	75818	20-OCT-2009	17:49:27.395	17:52:12.984	165.58900
GS	75808	20-OCT-2009	00:59:22.511	01:01:21.790	119.27900
GS	75809	20-OCT-2009	02:35:44.912	02:37:56.882	131.97000
GS	75810	20-OCT-2009	04:16:47.407	04:18:48.501	121.09400
MS	75814	20-OCT-2009	11:28:48.904	11:31:30.153	161.24900
MS	75815	20-OCT-2009	13:09:38.677	13:12:14.265	155.58800
MA	75813	20-OCT-2009	09:44:21.693	09:46:29.507	127.81400
MI	75809	20-OCT-2009	02:32:00.882	02:34:25.359	144.47700
MI	75810	20-OCT-2009	04:10:42.489	04:13:52.969	190.48000
MI	75816	20-OCT-2009	14:52:15.710	14:54:35.895	140.18500

MI	75817	20-OCT-2009	16:30:29.448	16:32:55.995	146.54700
BE	75810	20-OCT-2009	04:42:19.349	04:45:32.166	192.81700
SG	75810	20-OCT-2009	04:54:46.130	04:56:45.731	119.60100
SG	75815	20-OCT-2009	14:10:46.578	14:12:50.641	124.06300
SG	75816	20-OCT-2009	15:47:36.802	15:50:22.735	165.93300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75807	20-OCT-2009	00:03:36.681	00:18:10.305	873.62400
MM	75807	20-OCT-2009	00:14:45.795	00:26:02.048	676.25300
HO	75808	20-OCT-2009	01:45:47.490	01:56:09.932	622.44200
MM	75808	20-OCT-2009	01:56:58.466	02:06:18.134	559.66800
BE	75809	20-OCT-2009	03:01:42.568	03:15:07.688	805.12000
MM	75809	20-OCT-2009	03:39:58.874	03:46:57.545	418.67100
SG	75809	20-OCT-2009	03:12:48.617	03:26:33.744	825.12700
CM	75809	20-OCT-2009	02:34:54.762	02:38:21.305	206.54300
CM	75809	20-OCT-2009	04:09:07.664	04:21:32.309	744.64500
MM	75810	20-OCT-2009	05:22:46.471	05:28:32.955	346.48400
MM	75811	20-OCT-2009	07:04:16.430	07:11:24.345	427.91500
JO	75811	20-OCT-2009	06:44:57.803	06:55:21.825	624.02200
MM	75812	20-OCT-2009	08:44:53.315	08:54:22.571	569.25600
MA	75812	20-OCT-2009	08:06:33.523	08:16:14.156	580.63300
JO	75812	20-OCT-2009	08:21:20.668	08:36:21.353	900.68500
MM	75813	20-OCT-2009	10:25:08.085	10:36:30.732	682.64700
JO	75813	20-OCT-2009	10:05:02.945	10:12:16.293	433.34800
MM	75814	20-OCT-2009	12:05:08.969	12:17:34.182	745.21300
MA	75814	20-OCT-2009	11:25:28.499	11:33:40.288	491.78900
MM	75815	20-OCT-2009	13:44:55.916	13:57:39.709	763.79300
BE	75816	20-OCT-2009	14:18:21.871	14:31:44.318	802.44700
MM	75816	20-OCT-2009	15:24:27.058	15:37:05.309	758.25100
GS	75816	20-OCT-2009	14:45:34.826	14:56:23.625	648.79900
CM	75816	20-OCT-2009	14:58:35.378	15:01:02.734	147.35600
BE	75817	20-OCT-2009	16:02:00.164	16:08:31.294	391.13000
MM	75817	20-OCT-2009	17:03:42.544	17:16:14.168	751.62400
GS	75817	20-OCT-2009	16:24:31.018	16:38:13.528	822.51000

CM	75817	20-OCT-2009	16:33:06.538	16:45:30.047	743.50900
MM	75818	20-OCT-2009	18:42:50.537	18:55:26.639	756.10200
GS	75818	20-OCT-2009	18:05:14.209	18:14:04.352	530.14300
JO	75818	20-OCT-2009	19:05:16.277	19:12:58.634	462.35700
MM	75819	20-OCT-2009	20:22:09.643	20:34:53.473	763.83000
MA	75819	20-OCT-2009	19:24:22.865	19:33:29.826	546.96100
JO	75819	20-OCT-2009	20:41:24.194	20:56:25.440	901.24600
HO	75820	20-OCT-2009	21:56:39.673	22:06:24.229	584.55600
MM	75820	20-OCT-2009	22:02:03.479	22:14:36.686	753.20700
MA	75820	20-OCT-2009	21:00:04.102	21:13:37.209	813.10700
JO	75820	20-OCT-2009	22:22:29.863	22:32:38.838	608.97500
HO	75821	20-OCT-2009	23:32:31.284	23:46:53.393	862.10900
MM	75821	20-OCT-2009	23:42:51.703	23:54:34.334	702.63100
MA	75821	20-OCT-2009	22:45:40.979	22:50:13.002	272.02300

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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	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

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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	13:01:27.698	--	75815	Yes	--	15399

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
01:00 05-Sep	--	75164	--

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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