

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-OCT-2009
Start Time of First Product	23:43:05 (18-Oct)
Stop Time of Last Product	23:35:39
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_091019BEEP0938.E2	19-OCT-2009	01:56:56.805
EGOI_091019BEEP0945.E2	19-OCT-2009	03:35:48.412
EGOI_091019GSEP1046.E2	19-OCT-2009	01:31:22.152
EGOI_091019GSEP1073.E2	19-OCT-2009	03:08:58.752
EGOI_091019GSEP1082.E2	19-OCT-2009	04:51:51.878
EGOI_091019KSEP1087.E2	18-OCT-2009	23:59:09.588
EGOI_091019KSEP1104.E2	19-OCT-2009	06:50:33.104
EGOI_091019KSEP1125.E2	19-OCT-2009	08:30:32.219
EGOI_091019KSEP1147.E2	19-OCT-2009	10:10:11.829

EGOI_091019KSEP1173.E2	19-OCT-2009	11:49:45.436
EGOI_091019KSEP1193.E2	19-OCT-2009	13:28:43.044
EGOI_091019KSEP1221.E2	19-OCT-2009	15:07:25.654
EGOI_091019KSEP1241.E2	19-OCT-2009	16:44:54.747
EGOI_091019KSEP1275.E2	19-OCT-2009	18:22:52.346
EGOI_091019KSEP1307.E2	19-OCT-2009	20:01:33.454
EGOI_091019KSEP1337.E2	19-OCT-2009	21:42:26.573
EGOI_091019KSEP1364.E2	19-OCT-2009	23:25:40.704
EGOI_091019MAEP4988.E2	19-OCT-2009	08:38:26.270
EGOI_091019MAEP5002.E2	19-OCT-2009	10:17:37.372
EGOI_091019MAEP5024.E2	19-OCT-2009	21:34:22.026
EGOI_091019MIEP1818.E2	19-OCT-2009	03:04:43.724
EGOI_091019MIEP1830.E2	19-OCT-2009	15:24:54.256
EGOI_091019MIEP1854.E2	19-OCT-2009	17:04:47.368
EGOI_091019MSEP1049.E2	18-OCT-2009	23:43:04.990
EGOI_091019MSEP1072.E2	19-OCT-2009	10:24:49.415
EGOI_091019MSEP1101.E2	19-OCT-2009	12:02:41.019
EGOI_091019MSEP1115.E2	19-OCT-2009	13:45:22.149
EGOI_091019MSEP1131.E2	19-OCT-2009	21:35:17.534
EGOI_091019MSEP1163.E2	19-OCT-2009	23:11:36.118
EGOI_091019SGEP0548.E2	19-OCT-2009	02:09:46.383
EGOI_091019SGEP0557.E2	19-OCT-2009	14:44:31.513
EGOI_091019SGEP0565.E2	19-OCT-2009	16:22:17.110

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75793	18-OCT-2009	23:57:17.099	23:59:09.588	112.48900
KS	75797	19-OCT-2009	06:48:37.304	06:50:33.104	115.80000
KS	75798	19-OCT-2009	08:27:59.477	08:30:32.218	152.74100
KS	75799	19-OCT-2009	10:07:37.141	10:10:11.828	154.68700
KS	75800	19-OCT-2009	11:47:06.733	11:49:45.436	158.70300
KS	75801	19-OCT-2009	13:26:10.316	13:28:43.043	152.72700
KS	75802	19-OCT-2009	15:04:40.377	15:07:25.653	165.27600
KS	75803	19-OCT-2009	16:42:16.752	16:44:54.747	157.99500
KS	75804	19-OCT-2009	18:20:12.467	18:22:52.346	159.87900
KS	75805	19-OCT-2009	19:59:19.786	20:01:33.454	133.66800
KS	75806	19-OCT-2009	21:40:17.746	21:42:26.573	128.82700
KS	75807	19-OCT-2009	23:23:52.105	23:25:40.704	108.59900
GS	75794	19-OCT-2009	01:29:07.977	01:31:22.152	134.17500
GS	75795	19-OCT-2009	03:06:58.008	03:08:58.752	120.74400

MS	75799	19-OCT-2009	10:22:09.934	10:24:49.414	159.48000
MS	75800	19-OCT-2009	12:00:02.600	12:02:41.019	158.41900
MS	75807	19-OCT-2009	23:09:13.939	23:11:36.118	142.17900
MA	75798	19-OCT-2009	08:36:49.281	08:38:26.270	96.989000
MA	75799	19-OCT-2009	10:15:42.575	10:17:37.372	114.79700
MA	75806	19-OCT-2009	21:31:52.262	21:34:22.025	149.76300
MI	75795	19-OCT-2009	03:02:18.190	03:04:43.724	145.53400
MI	75802	19-OCT-2009	15:22:32.309	15:24:54.256	141.94700
MI	75803	19-OCT-2009	17:02:20.785	17:04:47.367	146.58200
BE	75794	19-OCT-2009	01:54:15.452	01:56:56.804	161.35200
BE	75795	19-OCT-2009	03:33:02.941	03:35:48.412	165.47100
SG	75794	19-OCT-2009	02:07:37.320	02:09:46.383	129.06300
SG	75801	19-OCT-2009	14:40:14.107	14:44:31.512	257.40500
SG	75802	19-OCT-2009	16:19:34.253	16:22:17.110	162.85700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75793	19-OCT-2009	00:34:57.871	00:49:22.125	864.25400
MM	75793	19-OCT-2009	00:46:46.428	00:57:31.111	644.68300
MM	75794	19-OCT-2009	02:29:17.534	02:37:52.828	515.29400
MM	75795	19-OCT-2009	04:12:22.874	04:18:44.838	381.96400
SG	75795	19-OCT-2009	03:43:59.165	03:57:41.760	822.59500
CM	75795	19-OCT-2009	03:02:46.602	03:12:16.325	569.72300
CM	75795	19-OCT-2009	04:40:45.969	04:52:20.369	694.40000
MM	75796	19-OCT-2009	05:54:49.148	06:00:46.353	357.20500
MI	75796	19-OCT-2009	04:43:19.247	04:53:13.716	594.46900
MM	75797	19-OCT-2009	07:35:57.357	07:43:49.139	471.78200
JO	75797	19-OCT-2009	07:14:27.024	07:27:36.794	789.77000
MM	75798	19-OCT-2009	09:16:25.383	09:26:35.262	609.87900
JO	75798	19-OCT-2009	08:52:56.149	09:07:17.218	861.06900
MM	75799	19-OCT-2009	10:56:35.502	11:08:23.337	707.83500
MM	75800	19-OCT-2009	12:36:32.165	12:49:07.195	755.03000
HO	75801	19-OCT-2009	14:25:15.846	14:37:34.584	738.73800
MM	75801	19-OCT-2009	14:16:14.343	14:28:57.861	763.51800
BE	75802	19-OCT-2009	14:50:02.058	15:02:44.922	762.86400

MM	75802	19-OCT-2009	15:55:40.302	16:08:15.653	755.35100
GS	75802	19-OCT-2009	15:16:26.449	15:29:50.876	804.42700
CM	75802	19-OCT-2009	15:26:21.969	15:35:56.683	574.71400
MM	75803	19-OCT-2009	17:34:52.041	17:47:23.836	751.79500
GS	75803	19-OCT-2009	16:55:57.759	17:08:52.618	774.85900
CM	75803	19-OCT-2009	17:04:40.588	17:16:08.683	688.09500
MM	75804	19-OCT-2009	19:14:01.082	19:26:40.143	759.06100
JO	75804	19-OCT-2009	19:34:30.295	19:46:40.983	730.68800
MM	75805	19-OCT-2009	20:53:28.611	21:06:12.216	763.60500
MA	75805	19-OCT-2009	19:52:34.104	20:05:33.334	779.23000
JO	75805	19-OCT-2009	21:12:43.221	21:27:24.101	880.88000
HO	75806	19-OCT-2009	22:26:09.189	22:38:14.779	725.59000
MM	75806	19-OCT-2009	22:33:37.765	22:46:00.196	742.43100

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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	South Polar View operations
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures 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



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	13:32:55.070	--	75801	Yes	--	15395

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
--	--	--	--	--	--

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
--	--	--	--	--

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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
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