

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-OCT-2009
Start Time of First Product	00:21:18
Stop Time of Last Product	22:33:07
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091021BEEP0957.E2	21-OCT-2009	02:33:13.179
EGOI_091021BEEP0963.E2	21-OCT-2009	04:12:51.286
EGOI_091021GSEP1205.E2	21-OCT-2009	02:06:52.022
EGOI_091021GSEP1232.E2	21-OCT-2009	03:46:28.625
EGOI_091021GSEP1242.E2	21-OCT-2009	05:29:08.257
EGOI_091021KSEP1673.E2	21-OCT-2009	07:27:31.481
EGOI_091021KSEP1696.E2	21-OCT-2009	09:07:32.092
EGOI_091021KSEP1721.E2	21-OCT-2009	10:47:11.703
EGOI_091021KSEP1750.E2	21-OCT-2009	12:26:33.310

EGOI_091021KSEP1769.E2	21-OCT-2009	14:05:30.917
EGOI_091021KSEP1798.E2	21-OCT-2009	15:43:31.524
EGOI_091021KSEP1815.E2	21-OCT-2009	17:21:18.619
EGOI_091021KSEP1849.E2	21-OCT-2009	18:59:10.224
EGOI_091021KSEP1879.E2	21-OCT-2009	20:38:40.832
EGOI_091021KSEP1910.E2	21-OCT-2009	22:20:27.954
EGOI_091021MAEP5051.E2	21-OCT-2009	09:14:45.635
EGOI_091021MAEP5060.E2	21-OCT-2009	10:54:43.254
EGOI_091021MAEP5077.E2	21-OCT-2009	20:32:21.293
EGOI_091021MAEP5098.E2	21-OCT-2009	22:12:35.411
EGOI_091021MIEP1987.E2	21-OCT-2009	02:04:59.510
EGOI_091021MIEP2009.E2	21-OCT-2009	03:41:30.098
EGOI_091021MIEP2028.E2	21-OCT-2009	14:25:38.538
EGOI_091021MIEP2044.E2	21-OCT-2009	16:01:31.629
EGOI_091021MSEP1282.E2	21-OCT-2009	00:21:18.371
EGOI_091021MSEP1305.E2	21-OCT-2009	11:00:26.785
EGOI_091021MSEP1332.E2	21-OCT-2009	12:39:55.892
EGOI_091021MSEP1363.E2	21-OCT-2009	22:10:06.895
EGOI_091021SGEP0599.E2	21-OCT-2009	02:44:55.249
EGOI_091021SGEP0606.E2	21-OCT-2009	04:23:55.860
EGOI_091021SGEP0615.E2	21-OCT-2009	17:01:54.498

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75826	21-OCT-2009	07:25:27.156	07:27:31.481	124.32500
KS	75827	21-OCT-2009	09:04:59.598	09:07:32.092	152.49400
KS	75828	21-OCT-2009	10:44:36.257	10:47:11.703	155.44600
KS	75829	21-OCT-2009	12:23:58.450	12:26:33.309	154.85900
KS	75830	21-OCT-2009	14:02:51.921	14:05:30.916	158.99500
KS	75831	21-OCT-2009	15:40:50.683	15:43:31.524	160.84100
KS	75832	21-OCT-2009	17:18:41.011	17:21:18.619	157.60800
KS	75833	21-OCT-2009	18:56:50.915	18:59:10.223	139.30800
KS	75834	21-OCT-2009	20:36:34.999	20:38:40.831	125.83200
KS	75835	21-OCT-2009	22:18:24.063	22:20:27.953	123.89000
GS	75823	21-OCT-2009	02:04:57.404	02:06:52.022	114.61800
GS	75824	21-OCT-2009	03:44:27.245	03:46:28.624	121.37900
MS	75822	21-OCT-2009	00:18:57.895	00:21:18.370	140.47500
MS	75828	21-OCT-2009	10:57:45.879	11:00:26.785	160.90600
MS	75829	21-OCT-2009	12:37:22.159	12:39:55.892	153.73300
MS	75835	21-OCT-2009	22:08:02.039	22:10:06.894	124.85500

MS	75836	21-OCT-2009	23:46:33.575	23:48:58.495	144.92000
MA	75827	21-OCT-2009	09:13:33.778	09:14:45.634	71.856000
MA	75828	21-OCT-2009	10:52:48.329	10:54:43.253	114.92400
MA	75834	21-OCT-2009	20:28:47.807	20:32:21.293	213.48600
MA	75835	21-OCT-2009	22:11:22.162	22:12:35.410	73.248000
MI	75823	21-OCT-2009	02:02:41.703	02:04:59.509	137.80600
MI	75824	21-OCT-2009	03:38:58.144	03:41:30.098	151.95400
MI	75830	21-OCT-2009	14:23:33.683	14:25:38.538	124.85500
MI	75831	21-OCT-2009	15:59:05.584	16:01:31.629	146.04500
BE	75823	21-OCT-2009	02:30:36.244	02:33:13.179	156.93500
BE	75824	21-OCT-2009	04:10:23.041	04:12:51.285	148.24400
SG	75823	21-OCT-2009	02:42:17.749	02:44:55.249	157.50000
SG	75824	21-OCT-2009	04:21:40.694	04:23:55.860	135.16600
SG	75831	21-OCT-2009	16:58:57.584	17:01:54.497	176.91300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75822	21-OCT-2009	01:12:47.823	01:25:45.764	777.94100
MM	75822	21-OCT-2009	01:24:44.460	01:34:45.562	601.10200
MM	75823	21-OCT-2009	03:07:33.914	03:15:15.617	461.70300
CM	75823	21-OCT-2009	03:38:13.232	03:50:10.138	716.90600
MM	75824	21-OCT-2009	04:50:34.909	04:56:28.249	353.34000
MM	75825	21-OCT-2009	06:32:30.465	06:38:59.872	389.40700
CM	75825	21-OCT-2009	05:19:28.210	05:27:36.148	487.93800
MM	75826	21-OCT-2009	08:13:19.236	08:22:04.630	525.39400
JO	75826	21-OCT-2009	07:50:19.780	08:05:03.669	883.88900
MM	75827	21-OCT-2009	09:53:39.355	10:04:31.590	652.23500
JO	75827	21-OCT-2009	09:31:11.498	09:43:10.586	719.08800
MM	75828	21-OCT-2009	11:33:44.409	11:45:55.366	730.95700
MM	75829	21-OCT-2009	13:13:35.910	13:26:17.561	761.65100
HO	75830	21-OCT-2009	15:03:00.414	15:11:56.322	535.90800
MM	75830	21-OCT-2009	14:53:12.213	15:05:53.333	761.12000
GS	75830	21-OCT-2009	14:15:08.985	14:24:51.346	582.36100
SG	75830	21-OCT-2009	15:16:20.328	15:30:09.959	829.63100
BE	75831	21-OCT-2009	15:28:18.718	15:38:54.296	635.57800

MM	75831	21-OCT-2009	16:32:32.229	16:45:04.937	752.70800
GS	75831	21-OCT-2009	15:53:13.015	16:07:08.895	835.88000
CM	75831	21-OCT-2009	16:02:05.822	16:14:07.638	721.81600
MM	75832	21-OCT-2009	18:11:41.038	18:24:14.619	753.58100
MI	75832	21-OCT-2009	17:41:07.337	17:47:37.793	390.45600
GS	75832	21-OCT-2009	17:33:20.232	17:44:31.054	670.82200
CM	75832	21-OCT-2009	17:42:57.962	17:51:05.910	487.94800
MM	75833	21-OCT-2009	19:50:54.144	20:03:36.378	762.23400
MA	75833	21-OCT-2009	18:55:53.079	19:00:17.537	264.45800
JO	75833	21-OCT-2009	20:10:26.760	20:24:52.330	865.57000
MM	75834	21-OCT-2009	21:30:34.624	21:43:14.581	759.95700
JO	75834	21-OCT-2009	21:50:11.970	22:03:13.769	781.79900
HO	75835	21-OCT-2009	23:01:58.889	23:15:29.545	810.65600
MM	75835	21-OCT-2009	23:11:04.104	23:23:07.920	723.81600
MS	75836	21-OCT-2009	23:46:33.575	23:59:20.391	766.81600

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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 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 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	12:29:54.330	--	75829	Yes	--	15427

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
--	--	--

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