

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-JAN-2011
Start Time of First Product	00:27:01
Stop Time of Last Product	22:38:50
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110122CMEP3372.E2	22-JAN-2011	03:45:18.593
EGOI_110122CMEP3381.E2	22-JAN-2011	05:26:44.716
EGOI_110122CMEP3389.E2	22-JAN-2011	16:09:48.702
EGOI_110122CMEP3400.E2	22-JAN-2011	17:50:13.322
EGOI_110122GSEP4104.E2	22-JAN-2011	02:12:24.022
EGOI_110122GSEP4134.E2	22-JAN-2011	03:52:26.140
EGOI_110122GSEP4142.E2	22-JAN-2011	05:35:04.279
EGOI_110122KSEP7173.E2	22-JAN-2011	07:33:18.507
EGOI_110122KSEP7191.E2	22-JAN-2011	09:13:14.625

EGOI_110122KSEP7215.E2	22-JAN-2011	10:52:54.245
EGOI_110122KSEP7239.E2	22-JAN-2011	12:32:12.853
EGOI_110122KSEP7249.E2	22-JAN-2011	14:11:10.465
EGOI_110122KSEP7263.E2	22-JAN-2011	15:49:02.073
EGOI_110122KSEP7286.E2	22-JAN-2011	17:26:56.681
EGOI_110122KSEP7317.E2	22-JAN-2011	19:04:43.781
EGOI_110122KSEP7348.E2	22-JAN-2011	20:44:24.897
EGOI_110122KSEP7375.E2	22-JAN-2011	22:26:48.037
EGOI_110122MAEP2071.E2	22-JAN-2011	09:20:22.169
EGOI_110122MAEP2081.E2	22-JAN-2011	11:00:09.283
EGOI_110122MIEP0949.E2	22-JAN-2011	02:10:16.502
EGOI_110122MIEP0978.E2	22-JAN-2011	03:47:09.605
EGOI_110122MIEP0992.E2	22-JAN-2011	17:49:37.318
EGOI_110122MSEP4447.E2	22-JAN-2011	00:27:00.870
EGOI_110122MSEP4467.E2	22-JAN-2011	11:06:12.324
EGOI_110122MSEP4494.E2	22-JAN-2011	12:45:51.944
EGOI_110122MSEP4526.E2	22-JAN-2011	22:15:31.467
EGOI_110122SGEP0914.E2	22-JAN-2011	02:49:55.748
EGOI_110122SGEP0922.E2	22-JAN-2011	04:29:44.363
EGOI_110122SGEP0929.E2	22-JAN-2011	17:09:28.076

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82382	22-JAN-2011	07:31:07.814	07:33:18.507	130.69300
KS	82383	22-JAN-2011	09:10:41.219	09:13:14.624	153.40500
KS	82384	22-JAN-2011	10:50:17.508	10:52:54.244	156.73600
KS	82385	22-JAN-2011	12:29:38.334	12:32:12.852	154.51800
KS	82386	22-JAN-2011	14:08:31.235	14:11:10.465	159.23000
KS	82387	22-JAN-2011	15:46:25.766	15:49:02.072	156.30600
KS	82388	22-JAN-2011	17:24:18.517	17:26:56.681	158.16400
KS	82389	22-JAN-2011	19:02:30.154	19:04:43.780	133.62600
KS	82390	22-JAN-2011	20:42:20.353	20:44:24.896	124.54300
KS	82391	22-JAN-2011	22:24:17.862	22:26:48.037	150.17500
GS	82379	22-JAN-2011	02:10:39.723	02:12:24.021	104.29800
GS	82380	22-JAN-2011	03:50:17.159	03:52:26.139	128.98000
MS	82378	22-JAN-2011	00:24:58.335	00:27:00.869	122.53400
MS	82384	22-JAN-2011	11:03:28.053	11:06:12.324	164.27100
MS	82385	22-JAN-2011	12:43:10.567	12:45:51.944	161.37700
MS	82391	22-JAN-2011	22:13:29.083	22:15:31.467	122.38400

MS	82392	22-JAN-2011	23:52:23.175	23:54:41.075	137.90000
MA	82383	22-JAN-2011	09:19:00.981	09:20:22.168	81.187000
MA	82384	22-JAN-2011	10:58:49.006	11:00:09.282	80.276000
MI	82379	22-JAN-2011	02:07:55.233	02:10:16.502	141.26900
MI	82380	22-JAN-2011	03:44:41.310	03:47:09.605	148.29500
MI	82388	22-JAN-2011	17:47:23.318	17:49:37.318	134.00000
SG	82379	22-JAN-2011	02:47:47.172	02:49:55.748	128.57600
SG	82380	22-JAN-2011	04:27:34.920	04:29:44.363	129.44300
CM	82379	22-JAN-2011	03:43:47.134	03:45:18.593	91.459000
CM	82381	22-JAN-2011	05:25:39.732	05:26:44.716	64.984000
CM	82387	22-JAN-2011	16:07:41.544	16:09:48.701	127.15700
CM	82388	22-JAN-2011	17:49:02.212	17:50:13.322	71.110000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	82377	21-JAN-2011	23:48:39.234	00:00:17.458	698.22400
HO	82378	22-JAN-2011	01:18:39.509	01:31:19.392	759.88300
MM	82378	22-JAN-2011	01:30:35.681	01:40:29.530	593.84900
GS	82378	22-JAN-2011	00:35:33.462	00:42:46.615	433.15300
BE	82379	22-JAN-2011	02:36:14.398	02:49:24.769	790.37100
MM	82379	22-JAN-2011	03:13:27.493	03:21:01.097	453.60400
CM	82379	22-JAN-2011	03:43:47.134	03:55:54.807	727.67300
BE	82380	22-JAN-2011	04:16:09.712	04:27:29.568	679.85600
MM	82380	22-JAN-2011	04:56:26.718	05:02:17.524	350.80600
MM	82381	22-JAN-2011	06:38:17.455	06:44:53.261	395.80600
KS	82381	22-JAN-2011	05:52:41.828	05:56:43.247	241.41900
JO	82381	22-JAN-2011	06:22:01.995	06:28:01.965	359.97000
MM	82382	22-JAN-2011	08:19:03.788	08:27:57.328	533.54000
JO	82382	22-JAN-2011	07:55:55.596	08:10:46.585	890.98900
MM	82383	22-JAN-2011	09:59:22.864	10:10:21.011	658.14700
JO	82383	22-JAN-2011	09:37:12.121	09:48:35.835	683.71400
MM	82384	22-JAN-2011	11:39:27.156	11:51:41.055	733.89900
MM	82385	22-JAN-2011	13:19:17.845	13:32:00.098	762.25300
HO	82386	22-JAN-2011	15:08:50.650	15:17:23.737	513.08700
MM	82386	22-JAN-2011	14:58:53.219	15:11:33.850	760.63100

MI	82386	22-JAN-2011	14:28:29.538	14:35:04.082	394.54400
GS	82386	22-JAN-2011	14:20:37.973	14:30:54.263	616.29000
SG	82386	22-JAN-2011	15:21:58.721	15:35:51.290	832.56900
BE	82387	22-JAN-2011	15:34:18.816	15:44:23.440	604.62400
MM	82387	22-JAN-2011	16:38:12.366	16:50:44.789	752.42300
MI	82387	22-JAN-2011	16:04:46.283	16:18:08.161	801.87800
GS	82387	22-JAN-2011	15:58:53.798	16:12:49.831	836.03300
MM	82388	22-JAN-2011	18:17:20.905	18:29:54.888	753.98300
GS	82388	22-JAN-2011	17:39:06.798	17:49:56.267	649.46900
MM	82389	22-JAN-2011	19:56:34.922	20:09:17.545	762.62300
MA	82389	22-JAN-2011	19:00:51.430	19:05:59.762	308.33200
JO	82389	22-JAN-2011	20:16:02.667	20:30:39.249	876.58200
MM	82390	22-JAN-2011	21:36:17.674	21:48:56.676	759.00200
MA	82390	22-JAN-2011	20:34:25.646	20:48:06.173	820.52700
JO	82390	22-JAN-2011	21:56:01.262	22:08:39.126	757.86400
HO	82391	22-JAN-2011	23:07:28.547	23:21:12.869	824.32200
MM	82391	22-JAN-2011	23:16:50.466	23:28:50.811	720.34500
MA	82391	22-JAN-2011	22:17:25.169	22:26:22.704	537.53500

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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	OK
Polarization Detectors	OK

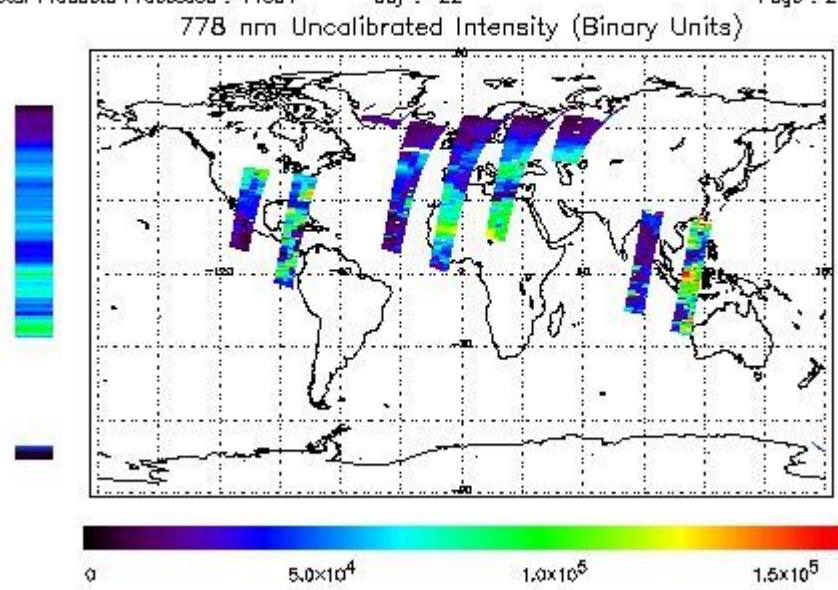
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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

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

First Product : 22-JAN-2011 00:27:00.870 : ORBIT : 82378.0254
 Last Product : 22-JAN-2011 22:38:49.803 : ORBIT : 82391.2643
 Total Products Processed : 14051 Day : 22 Page : 21

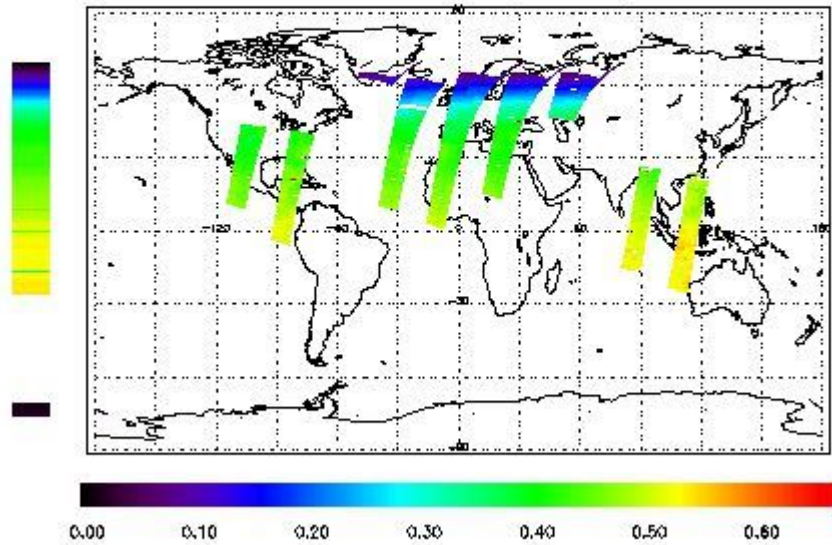


Ozone Line Ratio

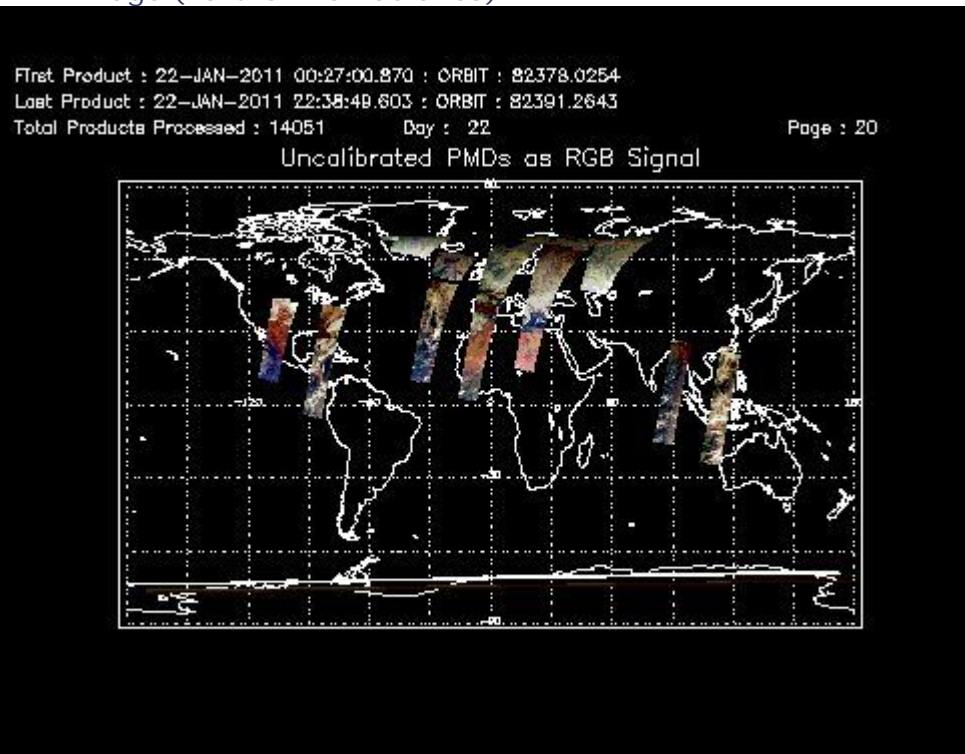
First Product : 22-JAN-2011 00:27:00.870 : ORBIT : 82378.0254
 Last Product : 22-JAN-2011 22:38:49.603 : ORBIT : 82391.2643
 Total Products Processed : 14051 Day : 22

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	12:38:17.395	--	82385	Yes	--	15405

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

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
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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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