GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-JUL-2010
Start Time of First Product	23:48:11 (28-Jul)
Stop Time of Last Product	23:40:37
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	GOME Quarterly Calibration continued from previous day, until orbit 79847, 00:00-05:00

1.2 - List of received products

Name	Date	Time
EGOI_100729GSEP1663.E2	29-JUL-2010	01:36:29.195
EGOI_100729GSEP1695.E2	29-JUL-2010	03:13:52.288
EGOI_100729GSEP1703.E2	29-JUL-2010	04:57:00.425
EGOI_100729KSEP3731.E2	29-JUL-2010	00:04:39.132
EGOI_100729KSEP3754.E2	29-JUL-2010	06:55:26.656
EGOI_100729KSEP3773.E2	29-JUL-2010	08:35:30.271
EGOI_100729KSEP3793.E2	29-JUL-2010	10:15:11.384
EGOI_100729KSEP3815.E2	29-JUL-2010	11:54:43.499
EGOI_100729KSEP3833.E2	29-JUL-2010	13:33:39.606

EGOI_100729KSEP3842.E2	29-JUL-2010	15:12:20.711
EGOI_100729KSEP3869.E2	29-JUL-2010	16:49:49.814
EGOI_100729KSEP3900.E2	29-JUL-2010	18:27:41.410
EGOI_100729KSEP3920.E2	29-JUL-2010	20:06:30.016
EGOI_100729KSEP3948.E2	29-JUL-2010	21:47:32.134
EGOI_100729KSEP3965.E2	29-JUL-2010	23:30:53.769
EGOI_100729MAEP5010.E2	29-JUL-2010	08:43:33.307
EGOI_100729MAEP5023.E2	29-JUL-2010	08:43:33.307
EGOI_100729MAEP5035.E2	29-JUL-2010	10:22:36.927
EGOI_100729MAEP5047.E2	29-JUL-2010	20:00:04.474
EGOI_100729MIEP7508.E2	29-JUL-2010	04:51:03.386
EGOI_100729MIEP7532.E2	29-JUL-2010	15:29:50.818
EGOI_100729MIEP7559.E2	29-JUL-2010	17:09:55.935
EGOI_100729MMEP2169.E2	29-JUL-2010	00:53:21.433
EGOI_100729MMEP2175.E2	29-JUL-2010	02:35:43.054
EGOI_100729MMEP2182.E2	29-JUL-2010	04:18:27.191
EGOI_100729MMEP2190.E2	29-JUL-2010	07:42:11.942
EGOI_100729MMEP2198.E2	29-JUL-2010	09:22:56.063
EGOI_100729MMEP2207.E2	29-JUL-2010	16:02:13.517
EGOI_100729MMEP2214.E2	29-JUL-2010	17:42:30.640
EGOI_100729MSEP4034.E2	28-JUL-2010	23:48:10.530
EGOI_100729MSEP4057.E2	29-JUL-2010	10:29:36.971
EGOI_100729MSEP4086.E2	29-JUL-2010	12:07:37.578
EGOI_100729MSEP4113.E2	29-JUL-2010	21:39:50.087
EGOI_100729MSEP4145.E2	29-JUL-2010	23:16:32.683

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79844	29-JUL-2010	00:03:26.997	00:04:39.132	72.135000
KS	79848	29-JUL-2010	06:54:16.629	06:55:26.655	70.026000
KS	79849	29-JUL-2010	08:33:40.965	08:35:30.270	109.30500
KS	79850	29-JUL-2010	10:13:18.639	10:15:11.384	112.74500
KS	79851	29-JUL-2010	11:52:47.255	11:54:43.499	116.24400
KS	79852	29-JUL-2010	13:31:48.752	13:33:39.605	110.85300
KS	79853	29-JUL-2010	15:10:13.451	15:12:20.711	127.26000
KS	79854	29-JUL-2010	16:47:50.070	16:49:49.814	119.74400
KS	79855	29-JUL-2010	18:25:49.994	18:27:41.409	111.41500
KS	79856	29-JUL-2010	20:05:02.628	20:06:30.016	87.388000
KS	79857	29-JUL-2010	21:46:08.056	21:47:32.133	84.077000
GS	79845	29-JUL-2010	01:34:36.103	01:36:29.195	113.09200

GS	79846	29-JUL-2010	03:12:41.414	03:13:52.288	70.874000
MS	79844	28-JUL-2010	23:46:33.576	23:48:10.529	96.953000
MS	79850	29-JUL-2010	10:27:38.212	10:29:36.971	118.75900
MS	79851	29-JUL-2010	12:05:46.931	12:07:37.577	110.64600
MS	79858	29-JUL-2010	23:14:55.091	23:16:32.683	97.592000
MA	79850	29-JUL-2010	10:21:21.999	10:22:36.926	74.927000
MA	79856	29-JUL-2010	19:58:05.953	20:00:04.473	118.52000
MI	79847	29-JUL-2010	04:49:23.755	04:51:03.385	99.630000
MI	79853	29-JUL-2010	15:28:07.078	15:29:50.818	103.74000
MI	79854	29-JUL-2010	17:08:12.216	17:09:55.934	103.71800
MM	79854	29-JUL-2010	17:40:31.898	17:42:30.640	118.74200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79844	29-JUL-2010	00:40:48.127	00:54:59.713	851.58600
BE	79845	29-JUL-2010	01:59:48.572	02:11:35.130	706.55800
SG	79845	29-JUL-2010	02:12:47.314	02:22:01.801	554.48700
BE	79846	29-JUL-2010	03:38:46.250	03:51:40.524	774.27400
MI	79846	29-JUL-2010	03:07:53.181	03:21:02.539	789.35800
SG	79846	29-JUL-2010	03:49:43.232	04:03:17.280	814.04800
CM	79846	29-JUL-2010	03:08:07.777	03:18:10.882	603.10500
CM	79846	29-JUL-2010	04:46:36.454	04:57:51.963	675.50900
MM	79847	29-JUL-2010	06:00:37.770	06:06:38.695	360.92500
JO	79848	29-JUL-2010	07:19:54.516	07:33:24.722	810.20600
JO	79849	29-JUL-2010	08:58:44.870	09:12:51.856	846.98600
MM	79850	29-JUL-2010	11:02:18.532	11:14:10.385	711.85300
MM	79851	29-JUL-2010	12:42:14.413	12:54:50.790	756.37700
HO	79852	29-JUL-2010	14:31:02.245	14:42:51.052	708.80700
MM	79852	29-JUL-2010	14:21:55.704	14:34:38.971	763.26700
SG	79852	29-JUL-2010	14:45:43.138	14:58:30.022	766.88400
BE	79853	29-JUL-2010	14:55:51.337	15:08:21.189	749.85200
GS	79853	29-JUL-2010	15:22:04.840	15:35:37.795	812.95500
SG	79853	29-JUL-2010	16:25:28.549	16:36:57.421	688.87200
CM	79853	29-JUL-2010	15:31:46.188	15:41:55.447	609.25900
GS	79854	29-JUL-2010	17:01:41.776	17:14:24.186	762.41000

CM	79854	29-JUL-2010	17:10:28.924	17:21:37.724	668.80000
MM	79855	29-JUL-2010	19:19:41.357	19:32:20.953	759.59600
JO	79855	29-JUL-2010	19:39:58.245	19:52:38.373	760.12800
MM	79856	29-JUL-2010	20:59:10.671	21:11:53.979	763.30800
JO	79856	29-JUL-2010	21:18:27.074	21:32:58.335	871.26100
HO	79857	29-JUL-2010	22:31:35.753	22:43:58.985	743.23200
MM	79857	29-JUL-2010	22:39:22.804	22:51:42.802	739.99800
MA	79857	29-JUL-2010	21:37:41.034	21:50:26.397	765.36300

[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

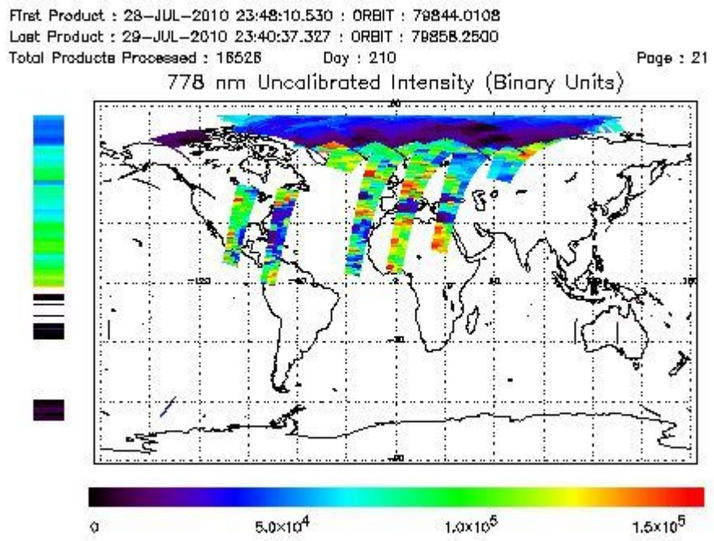
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

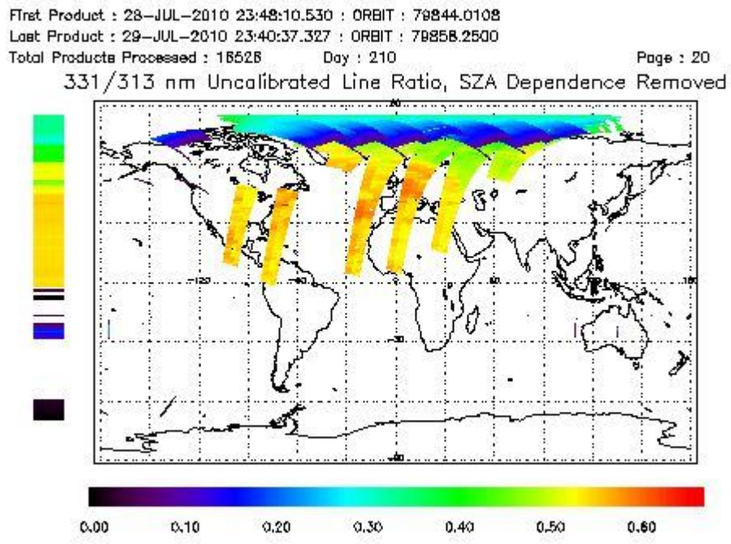
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

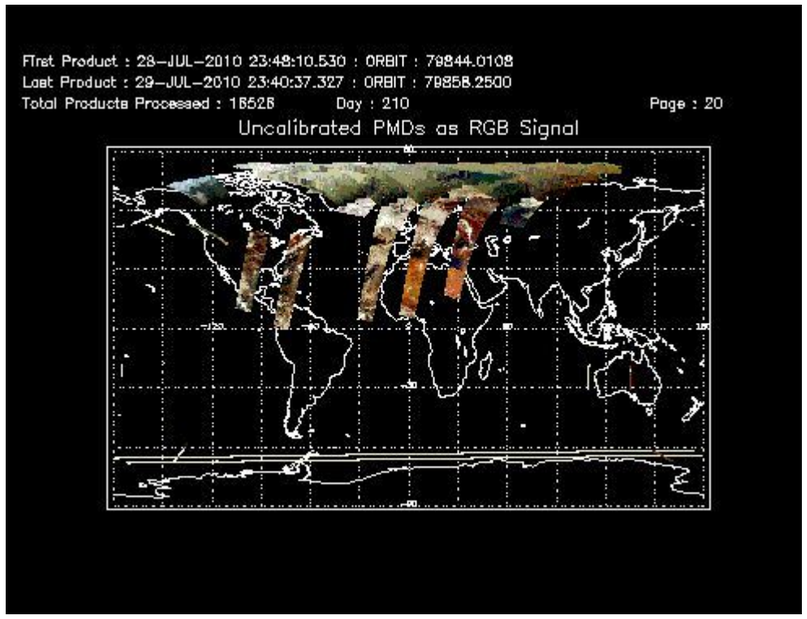
NEAR IR Intensity



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	18:31:03.933	--	79855	Yes	--	14642

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)
Q	23:48:11	23:54:26	79844	No Start	--	--	--
Q	00:06:41	00:11:44	79844	No End	--	197.5	--
Q	00:53:21	00:59:38	79844	No Start	--	197.5	--
Q	01:47:17	01:48:55	79845	No End	--	197.5	--
Q	02:35:43	02:40:13	79845	No End	--	182.3	--
Q	03:13:52	03:15:39	79846	No Start	--	182.0	--
Q	03:27:54	03:28:48	79846	No End	--	181.0	--
Q	04:18:27	04:20:48	79846	No Start	--	181.5	--
Q	04:51:03	04:56:11	79847	No Start	--	182.1	--

(1)

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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
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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