

# GOME Operations for November 2008

Draft report based on analysis of EGOI data using the Daily Reports and ERGO software system of the PCS

## GOME Operations during November 2008

Date	Operations	remark
01/11/08	data available within visibility of groundstation	start of sun calibration: 11:14:44.510
02/11/08	data available within visibility of groundstation	start of sun calibration: 10:43:17.110
03/11/08	data available within visibility of groundstation	start of sun calibration: 10:11:43.700
04/11/08	data available within visibility of groundstation	start of sun calibration: 13:01:23.860
05/11/08	data available within visibility of groundstation	start of sun calibration: 12:29:56.480
06/11/08	data available within visibility of groundstation	start of sun calibration: 11:58:23.110
07/11/08	data available within visibility of groundstation	start of sun calibration: 11:26:49.740
08/11/08	data available within visibility of groundstation	start of sun calibration: 10:58:58.390
09/11/08	data available within visibility of groundstation	start of sun calibration: 10:27:29.520
10/11/08	data available within visibility of groundstation	start of sun calibration: 13:13:28.850
11/11/08	data available within visibility of groundstation	start of sun calibration: 12:41:55.492
12/11/08	data available within visibility of groundstation	start of sun calibration: 12:10:22.110
13/11/08	data available within visibility of groundstation	start of sun calibration: 11:38:48.750
14/11/08	data available within visibility of groundstation	start of sun calibration: 11:07:18.090
15/11/08	data available within visibility of groundstation	start of sun calibration: 10:35:44.720
16/11/08	data available within visibility of groundstation	start of sun calibration: 13:25:24.570
17/11/08	data available within visibility of groundstation	start of sun calibration: 12:53:51.210
18/11/08	data available within visibility of groundstation	start of sun calibration: 12:22:17.850
19/11/08	SEU data available within visibility of groundstation	no solar calibration available due to GOME anomaly
20/11/08	SEU data available within visibility of groundstation	no solar calibration available due to GOME anomaly
21/11/08	data available within visibility of groundstation	no solar calibration available due to the execution of an ERS2 orbit manoeuvre
22/11/08	data available within visibility of groundstation	no solar calibration available due to the execution of an ERS2 orbit manoeuvre
23/11/08	data available within visibility of groundstation	no solar calibration available due to the execution of an ERS2 orbit manoeuvre

24/11/08	data available within visibility of groundstation	no solar calibration available due to the execution of an ERS2 orbit manoeuvre
25/11/08	GOME switch-off due to ATSR-2 /GOME planned unavailability Start: 08:40 Stop: 10:30 Lamp Failure data available within visibility of groundstation	TST44: solar calibration mode with warm detectors (T~269)  start of sun calibration: 12:02:42.770
26/11/08	data available within visibility of groundstation	start of sun calibration: 11:31:09.310
27/11/08	data available within visibility of groundstation	start of sun calibration: 10:59:35.930
28/11/08	data available within visibility of groundstation	no solar calibration available due to missing data
29/11/08	data available within visibility of groundstation	start of sun calibration: 13:17:42.460
30/11/08	data available within visibility of groundstation	start of sun calibration: 12:46:09.110

### Anomalies:

single event upsets (SEU):

Date	Reason
19-20/11/08	GOME anomaly started on 19/11/2008 at ~12:00, orbit 71019, due to the anomaly data were not received at the ground stations although GOME was in working mode as from ESOC;  this anomaly was cured with GOME Power Cycle (GMN11) on 20/11/2008, at 17:26:27, orbit 71037, data at ca 17:47, orbit 71037, are nominal again

list of datagaps:

Date	Orbit No.	duration	reason
01/11/08	70754	23:57:58 - 00:12:29	gap at HO
01/11/08	70754	00:08:57 - 00:20:18	gap at MM
01/11/08	70755	01:39:30 - 01:50:39	gap at HO
01/11/08	70755	01:51:06 - 02:00:33	gap at MM
01/11/08	70756	03:34:05 - 03:41:11	gap at MM
01/11/08	70756	03:07:12 - 03:20:50	gap at SG
01/11/08	70756	04:03:27 - 04:15:52	gap at CM
01/11/08	70757	05:16:55 - 05:22:42	gap at MM
01/11/08	70758	06:58:30 - 07:05:30	gap at MM
01/11/08	70759	08:39:09 - 08:48:30	gap at MM
01/11/08	70760	10:19:24 - 10:30:42	gap at MM
01/11/08	70761	11:59:26 - 12:11:49	gap at MM
01/11/08	70762	13:39:14 - 13:51:57	gap at MM
01/11/08	70763	15:18:46 - 15:31:25	gap at MM
01/11/08	70764	15:55:42 - 16:03:16	gap at BE
01/11/08	70764	16:58:02 - 17:10:34	gap at MM
01/11/08	70764	16:27:25 - 16:39:50	gap at CM

01/11/08	70765	18:37:10 - 18:49:46	gap at MM
01/11/08	70766	20:16:28 - 20:29:12	gap at MM
01/11/08	70766	20:35:44 - 20:50:43	gap at JO
01/11/08	70767	21:51:29 - 22:00:32	gap at HO
01/11/08	70767	21:56:19 - 22:08:54	gap at MM
01/11/08	70768	23:26:55 - 23:41:11	gap at HO
01/11/08	70768	23:37:04 - 23:48:51	gap at MM
01/11/08	70759	07:51:01 - 07:52:02	gap at KS
01/11/08	70760	09:30:36 - 09:31:37	gap at KS
01/11/08	70761	11:10:11 - 11:11:14	gap at KS
01/11/08	70762	12:49:27 - 12:50:28	gap at KS
01/11/08	70763	14:28:14 - 14:29:20	gap at KS
01/11/08	70764	16:05:58 - 16:07:01	gap at KS
01/11/08	70765	17:43:53 - 17:45:00	gap at KS
01/11/08	70755	00:54:01 - 00:55:07	gap at GS
01/11/08	70761	11:23:09 - 11:24:17	gap at MS
01/11/08	70762	13:03:45 - 13:04:54	gap at MS
01/11/08	70757	04:04:52 - 04:06:28	gap at MI
01/11/08	70756	02:56:02 - 02:57:11	gap at BE
01/11/08	70757	04:36:28 - 04:37:34	gap at BE
01/11/08	70763	14:12:39 - 14:13:48	gap at BE
01/11/08	70763	14:15:57 - 14:26:04	gap at BE
01/11/08	70757	04:50:18 - 04:57:32	gap at SG
01/11/08	70763	15:41:52 - 15:43:05	gap at SG
01/11/08	70758	06:39:43 - 06:45:20	gap at JO
01/11/08	70759	08:15:39 - 08:18:37	gap at JO
01/11/08	70765	19:00:16 - 19:02:27	gap at JO
01/11/08	70767	22:16:33 - 22:18:09	gap at JO
02/11/08	70769	01:06:59 - 01:20:11	gap at HO
02/11/08	70769	01:18:53 - 01:29:01	gap at MM
02/11/08	70770	03:01:40 - 03:09:30	gap at MM
02/11/08	70770	03:32:40 - 03:44:24	gap at CM
02/11/08	70771	04:04:36 - 04:16:33	gap at BE
02/11/08	70771	04:44:42 - 04:50:39	gap at MM
02/11/08	70771	05:13:22 - 05:22:18	gap at CM
02/11/08	70772	06:26:43 - 06:33:06	gap at MM
02/11/08	70773	08:07:34 - 08:16:11	gap at MM
02/11/08	70773	07:44:45 - 07:59:20	gap at JO
02/11/08	70774	09:47:55 - 09:58:41	gap at MM
02/11/08	70775	11:28:01 - 11:40:09	gap at MM
02/11/08	70776	13:07:53 - 13:20:34	gap at MM
02/11/08	70777	14:57:09 - 15:06:27	gap at HO
02/11/08	70777	14:47:31 - 15:00:12	gap at MM
02/11/08	70777	15:10:43 - 15:24:27	gap at SG
02/11/08	70778	15:22:20 - 15:33:23	gap at BE
02/11/08	70778	16:26:52 - 16:39:25	gap at MM
02/11/08	70778	16:52:40 - 17:00:40	gap at SG
02/11/08	70778	15:56:31 - 16:08:20	gap at CM

02/11/08	70779	18:06:01 - 18:18:34	gap at MM
02/11/08	70779	17:36:57 - 17:45:51	gap at CM
02/11/08	70780	19:45:13 - 19:57:55	gap at MM
02/11/08	70780	20:04:51 - 20:19:04	gap at JO
02/11/08	70781	21:24:51 - 21:37:32	gap at MM
02/11/08	70782	22:56:27 - 23:09:45	gap at HO
02/11/08	70782	23:05:17 - 23:17:25	gap at MM
02/11/08	70775	10:38:54 - 10:39:57	gap at KS
02/11/08	70776	12:18:18 - 12:19:20	gap at KS
02/11/08	70777	13:57:12 - 13:58:18	gap at KS
02/11/08	70778	15:35:15 - 15:36:27	gap at KS
02/11/08	70779	17:13:03 - 17:14:10	gap at KS
02/11/08	70775	10:52:20 - 10:53:26	gap at MS
02/11/08	70776	12:31:36 - 12:32:46	gap at MS
02/11/08	70782	22:02:36 - 22:03:49	gap at MS
02/11/08	70771	03:33:16 - 03:35:14	gap at MI
02/11/08	70770	02:24:58 - 02:26:08	gap at BE
02/11/08	70770	02:47:38 - 02:48:54	gap at SG
02/11/08	70774	09:25:13 - 09:27:22	gap at JO
02/11/08	70781	21:44:23 - 21:45:58	gap at JO
03/11/08	70783	00:34:57 - 00:49:22	gap at HO
03/11/08	70783	00:46:46 - 00:57:31	gap at MM
03/11/08	70784	01:54:15 - 02:05:40	gap at BE
03/11/08	70784	02:29:17 - 02:37:52	gap at MM
03/11/08	70785	03:33:02 - 03:46:05	gap at BE
03/11/08	70785	04:12:22 - 04:18:44	gap at MM
03/11/08	70785	03:02:46 - 03:12:16	gap at CM
03/11/08	70785	04:40:45 - 04:52:20	gap at CM
03/11/08	70786	05:54:49 - 06:00:46	gap at MM
03/11/08	70787	07:35:57 - 07:43:49	gap at MM
03/11/08	70788	09:16:25 - 09:26:35	gap at MM
03/11/08	70789	10:56:35 - 11:08:23	gap at MM
03/11/08	70790	12:36:32 - 12:49:07	gap at MM
03/11/08	70791	14:25:15 - 14:37:34	gap at HO
03/11/08	70791	14:16:14 - 14:28:57	gap at MM
03/11/08	70792	14:50:02 - 15:02:44	gap at BE
03/11/08	70792	15:55:40 - 16:08:15	gap at MM
03/11/08	70792	15:04:40 - 15:16:13	gap at KS
03/11/08	70792	16:19:34 - 16:31:32	gap at SG
03/11/08	70793	17:34:52 - 17:47:23	gap at MM
03/11/08	70793	16:42:16 - 16:54:38	gap at KS
03/11/08	70794	19:14:01 - 19:26:40	gap at MM
03/11/08	70794	18:20:12 - 18:33:46	gap at KS
03/11/08	70794	19:34:30 - 19:46:40	gap at JO
03/11/08	70795	20:53:28 - 21:06:12	gap at MM
03/11/08	70795	19:59:19 - 20:13:17	gap at KS
03/11/08	70796	22:26:09 - 22:38:14	gap at HO
03/11/08	70796	22:33:37 - 22:46:00	gap at MM

03/11/08	70796	21:40:17 - 21:52:55	gap at KS
03/11/08	70797	23:23:52 - 23:32:12	gap at KS
03/11/08	70788	08:27:59 - 08:28:59	gap at KS
03/11/08	70789	10:07:37 - 10:08:42	gap at KS
03/11/08	70790	11:47:06 - 11:48:12	gap at KS
03/11/08	70789	10:22:09 - 10:23:16	gap at MS
03/11/08	70790	12:00:02 - 12:01:14	gap at MS
03/11/08	70793	17:10:59 - 17:13:29	gap at MI
03/11/08	70785	03:43:59 - 03:47:21	gap at SG
03/11/08	70791	14:40:14 - 14:43:00	gap at SG
03/11/08	70792	15:26:42 - 15:35:56	gap at CM
03/11/08	70793	17:09:08 - 17:16:08	gap at CM
03/11/08	70787	07:14:27 - 07:16:32	gap at JO
03/11/08	70788	08:52:56 - 08:54:53	gap at JO
03/11/08	70795	21:12:43 - 21:14:07	gap at JO
04/11/08	70797	00:03:36 - 00:18:10	gap at HO
04/11/08	70797	00:14:45 - 00:26:02	gap at MM
04/11/08	70798	01:45:47 - 01:56:09	gap at HO
04/11/08	70798	01:56:58 - 02:06:18	gap at MM
04/11/08	70799	03:01:42 - 03:15:07	gap at BE
04/11/08	70799	03:39:58 - 03:46:57	gap at MM
04/11/08	70799	02:34:54 - 02:38:21	gap at CM
04/11/08	70799	04:09:07 - 04:21:32	gap at CM
04/11/08	70800	04:42:19 - 04:51:45	gap at BE
04/11/08	70800	05:22:46 - 05:28:32	gap at MM
04/11/08	70801	07:04:16 - 07:11:24	gap at MM
04/11/08	70802	08:44:53 - 08:54:22	gap at MM
04/11/08	70803	10:25:08 - 10:36:30	gap at MM
04/11/08	70804	12:05:08 - 12:17:34	gap at MM
04/11/08	70805	13:44:55 - 13:57:39	gap at MM
04/11/08	70806	14:18:21 - 14:31:44	gap at BE
04/11/08	70806	15:24:27 - 15:37:05	gap at MM
04/11/08	70806	14:58:35 - 15:01:02	gap at CM
04/11/08	70807	16:02:00 - 16:08:31	gap at BE
04/11/08	70807	17:03:42 - 17:16:14	gap at MM
04/11/08	70808	18:42:50 - 18:55:26	gap at MM
04/11/08	70809	20:22:09 - 20:34:53	gap at MM
04/11/08	70809	20:41:24 - 20:56:25	gap at JO
04/11/08	70810	21:56:39 - 22:06:24	gap at HO
04/11/08	70810	22:02:03 - 22:14:36	gap at MM
04/11/08	70811	23:32:31 - 23:46:53	gap at HO
04/11/08	70811	23:42:51 - 23:54:34	gap at MM
04/11/08	70802	07:56:42 - 07:57:44	gap at KS
04/11/08	70803	09:36:18 - 09:37:19	gap at KS
04/11/08	70804	11:15:52 - 11:16:55	gap at KS
04/11/08	70805	12:55:06 - 12:56:08	gap at KS
04/11/08	70806	14:33:51 - 14:34:57	gap at KS
04/11/08	70807	16:11:32 - 16:12:38	gap at KS

04/11/08	70808	17:49:27 - 17:50:40	gap at KS
04/11/08	70804	11:28:48 - 11:29:58	gap at MS
04/11/08	70805	13:09:38 - 13:10:43	gap at MS
04/11/08	70800	04:10:42 - 04:12:20	gap at MI
04/11/08	70799	03:12:48 - 03:13:49	gap at SG
04/11/08	70799	03:16:42 - 03:26:33	gap at SG
04/11/08	70807	16:36:52 - 16:45:30	gap at CM
04/11/08	70801	06:44:57 - 06:47:00	gap at JO
04/11/08	70802	08:21:20 - 08:23:03	gap at JO
04/11/08	70803	10:05:02 - 10:06:59	gap at JO
04/11/08	70808	19:05:16 - 19:07:12	gap at JO
04/11/08	70810	22:22:29 - 22:24:12	gap at JO
05/11/08	70812	01:12:47 - 01:25:45	gap at HO
05/11/08	70812	01:24:44 - 01:34:45	gap at MM
05/11/08	70813	02:30:36 - 02:43:38	gap at BE
05/11/08	70813	03:07:33 - 03:15:15	gap at MM
05/11/08	70813	03:38:13 - 03:50:10	gap at CM
05/11/08	70814	04:50:34 - 04:56:28	gap at MM
05/11/08	70815	06:32:30 - 06:38:59	gap at MM
05/11/08	70815	05:19:28 - 05:27:36	gap at CM
05/11/08	70816	08:13:19 - 08:22:04	gap at MM
05/11/08	70817	09:53:39 - 10:04:31	gap at MM
05/11/08	70818	11:33:44 - 11:45:55	gap at MM
05/11/08	70819	13:13:35 - 13:26:17	gap at MM
05/11/08	70820	15:03:00 - 15:11:56	gap at HO
05/11/08	70820	14:53:12 - 15:05:53	gap at MM
05/11/08	70820	15:16:20 - 15:30:09	gap at SG
05/11/08	70821	15:28:18 - 15:38:54	gap at BE
05/11/08	70821	16:32:32 - 16:45:04	gap at MM
05/11/08	70821	16:58:57 - 17:05:41	gap at SG
05/11/08	70822	18:11:41 - 18:24:14	gap at MM
05/11/08	70823	19:50:54 - 20:03:36	gap at MM
05/11/08	70823	20:10:26 - 20:24:52	gap at JO
05/11/08	70824	21:30:34 - 21:43:14	gap at MM
05/11/08	70825	23:01:58 - 23:15:29	gap at HO
05/11/08	70825	23:11:04 - 23:23:07	gap at MM
05/11/08	70817	09:04:59 - 09:06:01	gap at KS
05/11/08	70818	10:44:36 - 10:45:39	gap at KS
05/11/08	70819	12:23:58 - 12:25:00	gap at KS
05/11/08	70820	14:02:51 - 14:03:58	gap at KS
05/11/08	70821	15:40:50 - 15:41:59	gap at KS
05/11/08	70822	17:18:41 - 17:19:47	gap at KS
05/11/08	70818	10:57:45 - 10:58:54	gap at MS
05/11/08	70819	12:37:22 - 12:38:23	gap at MS
05/11/08	70814	03:38:58 - 03:40:03	gap at MI
05/11/08	70814	04:10:23 - 04:11:26	gap at BE
05/11/08	70813	02:42:17 - 02:43:25	gap at SG
05/11/08	70816	07:50:19 - 07:51:47	gap at JO

05/11/08	70817	09:31:11 - 09:33:04	gap at JO
05/11/08	70824	21:50:11 - 21:51:41	gap at JO
06/11/08	70826	00:40:48 - 00:54:59	gap at HO
06/11/08	70826	00:52:36 - 01:03:14	gap at MM
06/11/08	70827	02:35:10 - 02:43:37	gap at MM
06/11/08	70828	04:18:15 - 04:24:32	gap at MM
06/11/08	70828	03:08:07 - 03:18:10	gap at CM
06/11/08	70828	04:46:36 - 04:57:51	gap at CM
06/11/08	70829	06:00:37 - 06:06:38	gap at MM
06/11/08	70830	07:41:42 - 07:49:42	gap at MM
06/11/08	70831	09:22:09 - 09:32:26	gap at MM
06/11/08	70832	11:02:18 - 11:14:10	gap at MM
06/11/08	70833	12:42:14 - 12:54:50	gap at MM
06/11/08	70834	14:31:02 - 14:42:51	gap at HO
06/11/08	70834	14:21:55 - 14:34:38	gap at MM
06/11/08	70834	14:45:43 - 14:58:30	gap at SG
06/11/08	70835	14:55:51 - 15:08:21	gap at BE
06/11/08	70835	16:01:20 - 16:13:55	gap at MM
06/11/08	70835	16:25:28 - 16:36:57	gap at SG
06/11/08	70836	17:40:31 - 17:53:03	gap at MM
06/11/08	70837	19:19:41 - 19:32:20	gap at MM
06/11/08	70837	19:39:58 - 19:52:38	gap at JO
06/11/08	70838	20:59:10 - 21:11:53	gap at MM
06/11/08	70839	22:31:35 - 22:43:58	gap at HO
06/11/08	70839	22:39:22 - 22:51:42	gap at MM
06/11/08	70831	08:33:40 - 08:34:41	gap at KS
06/11/08	70832	10:13:18 - 10:14:20	gap at KS
06/11/08	70833	11:52:47 - 11:53:53	gap at KS
06/11/08	70834	13:31:48 - 13:32:50	gap at KS
06/11/08	70835	15:10:13 - 15:11:30	gap at KS
06/11/08	70836	16:47:50 - 16:49:02	gap at KS
06/11/08	70837	18:25:49 - 18:26:55	gap at KS
06/11/08	70832	10:27:38 - 10:28:51	gap at MS
06/11/08	70833	12:05:46 - 12:06:47	gap at MS
06/11/08	70838	19:58:05 - 19:59:15	gap at MA
06/11/08	70827	01:59:48 - 02:01:04	gap at BE
06/11/08	70828	03:38:46 - 03:40:00	gap at BE
06/11/08	70830	07:19:54 - 07:21:22	gap at JO
06/11/08	70831	08:58:44 - 09:00:11	gap at JO
06/11/08	70838	21:18:27 - 21:29:05	gap at JO
07/11/08	70840	00:09:13 - 00:23:50	gap at HO
07/11/08	70840	00:20:34 - 00:31:45	gap at MM
07/11/08	70841	01:52:05 - 02:01:33	gap at HO
07/11/08	70841	02:02:50 - 02:12:02	gap at MM
07/11/08	70842	03:45:52 - 03:52:43	gap at MM
07/11/08	70842	02:39:34 - 02:44:54	gap at CM
07/11/08	70842	04:14:49 - 04:27:11	gap at CM
07/11/08	70843	05:28:36 - 05:34:23	gap at MM



07/11/08	70844	07:10:02 - 07:17:18	gap at MM
07/11/08	70845	08:50:37 - 09:00:14	gap at MM
07/11/08	70846	10:30:51 - 10:42:18	gap at MM
07/11/08	70847	12:10:51 - 12:23:18	gap at MM
07/11/08	70848	13:50:37 - 14:03:21	gap at MM
07/11/08	70849	15:30:07 - 15:42:45	gap at MM
07/11/08	70850	17:09:22 - 17:21:54	gap at MM
07/11/08	70851	18:48:30 - 19:01:07	gap at MM
07/11/08	70851	19:10:25 - 19:19:16	gap at JO
07/11/08	70852	20:27:50 - 20:40:34	gap at MM
07/11/08	70852	20:47:04 - 21:02:05	gap at JO
07/11/08	70853	22:01:54 - 22:12:13	gap at HO
07/11/08	70853	22:07:47 - 22:20:19	gap at MM
07/11/08	70854	23:38:11 - 23:52:34	gap at HO
07/11/08	70854	23:48:39 - 00:00:17	gap at MM
07/11/08	70846	09:42:00 - 09:43:02	gap at KS
07/11/08	70847	11:21:33 - 11:22:40	gap at KS
07/11/08	70848	13:00:45 - 13:01:47	gap at KS
07/11/08	70849	14:39:28 - 14:40:35	gap at KS
07/11/08	70850	16:17:09 - 16:18:15	gap at KS
07/11/08	70851	17:55:00 - 17:56:20	gap at KS
07/11/08	70847	11:34:30 - 11:35:40	gap at MS
07/11/08	70848	13:15:33 - 13:16:38	gap at MS
07/11/08	70842	03:07:23 - 03:08:30	gap at BE
07/11/08	70843	04:48:11 - 04:49:18	gap at BE
07/11/08	70849	14:24:04 - 14:25:16	gap at BE
07/11/08	70849	14:28:01 - 14:37:23	gap at BE
07/11/08	70844	06:50:14 - 06:52:30	gap at JO
07/11/08	70845	08:27:02 - 08:29:30	gap at JO
07/11/08	70845	08:33:02 - 08:42:00	gap at JO
07/11/08	70853	22:28:28 - 22:30:13	gap at JO
08/11/08	70854	23:48:39 - 00:00:17	gap at MM
08/11/08	70855	01:18:39 - 01:31:19	gap at HO
08/11/08	70855	01:30:35 - 01:40:29	gap at MM
08/11/08	70855	00:35:33 - 00:42:46	gap at GS
08/11/08	70856	03:13:27 - 03:21:01	gap at MM
08/11/08	70856	03:43:47 - 03:55:54	gap at CM
08/11/08	70857	04:56:26 - 05:02:17	gap at MM
08/11/08	70858	06:38:17 - 06:44:53	gap at MM
08/11/08	70858	05:52:41 - 05:56:43	gap at KS
08/11/08	70858	05:25:39 - 05:32:48	gap at CM
08/11/08	70858	06:22:01 - 06:28:01	gap at JO
08/11/08	70859	08:19:03 - 08:27:57	gap at MM
08/11/08	70860	09:59:22 - 10:10:21	gap at MM
08/11/08	70861	11:39:27 - 11:51:41	gap at MM
08/11/08	70862	13:19:17 - 13:32:00	gap at MM
08/11/08	70863	15:08:50 - 15:17:23	gap at HO
08/11/08	70863	14:58:53 - 15:11:33	gap at MM



08/11/08	70863	15:21:58 - 15:35:51	gap at SG
08/11/08	70864	15:34:18 - 15:44:23	gap at BE
08/11/08	70864	16:38:12 - 16:50:44	gap at MM
08/11/08	70864	16:07:41 - 16:19:53	gap at CM
08/11/08	70865	18:17:20 - 18:29:54	gap at MM
08/11/08	70865	17:47:23 - 17:52:32	gap at MI
08/11/08	70865	17:49:02 - 17:56:15	gap at CM
08/11/08	70866	19:56:34 - 20:09:17	gap at MM
08/11/08	70866	20:16:02 - 20:30:39	gap at JO
08/11/08	70867	21:36:17 - 21:48:56	gap at MM
08/11/08	70867	21:56:01 - 22:08:39	gap at JO
08/11/08	70868	23:07:28 - 23:21:12	gap at HO
08/11/08	70868	23:16:50 - 23:28:50	gap at MM
08/11/08	70860	09:10:41 - 09:11:42	gap at KS
08/11/08	70861	10:50:17 - 10:51:22	gap at KS
08/11/08	70862	12:29:38 - 12:30:40	gap at KS
08/11/08	70863	14:08:31 - 14:09:38	gap at KS
08/11/08	70864	15:46:25 - 15:47:30	gap at KS
08/11/08	70865	17:24:18 - 17:25:24	gap at KS
08/11/08	70861	11:03:28 - 11:04:32	gap at MS
08/11/08	70862	12:43:10 - 12:44:18	gap at MS
08/11/08	70856	02:36:14 - 02:37:25	gap at BE
08/11/08	70857	04:16:09 - 04:17:15	gap at BE
08/11/08	70856	02:47:47 - 02:48:55	gap at SG
08/11/08	70856	02:51:29 - 03:00:36	gap at SG
08/11/08	70857	04:32:59 - 04:39:00	gap at SG
08/11/08	70859	07:55:55 - 07:57:21	gap at JO
08/11/08	70860	09:37:12 - 09:38:45	gap at JO
09/11/08	70869	00:46:36 - 01:00:36	gap at HO
09/11/08	70869	00:58:26 - 01:08:58	gap at MM
09/11/08	70869	00:09:39 - 00:14:06	gap at KS
09/11/08	70870	02:41:03 - 02:49:22	gap at MM
09/11/08	70871	04:24:08 - 04:30:20	gap at MM
09/11/08	70871	03:13:31 - 03:24:03	gap at CM
09/11/08	70871	04:52:28 - 05:03:21	gap at CM
09/11/08	70872	06:06:26 - 06:12:31	gap at MM
09/11/08	70873	07:47:27 - 07:55:35	gap at MM
09/11/08	70874	09:27:52 - 09:38:16	gap at MM
09/11/08	70875	11:18:38 - 11:28:55	gap at HO
09/11/08	70875	11:08:01 - 11:19:57	gap at MM
09/11/08	70876	12:56:33 - 13:11:22	gap at HO
09/11/08	70876	12:47:56 - 13:00:34	gap at MM
09/11/08	70877	14:36:49 - 14:48:20	gap at HO
09/11/08	70877	14:27:37 - 14:40:19	gap at MM
09/11/08	70878	15:01:41 - 15:13:56	gap at BE
09/11/08	70878	16:07:01 - 16:19:35	gap at MM
09/11/08	70878	16:31:25 - 16:42:19	gap at SG
09/11/08	70878	15:37:12 - 15:47:51	gap at CM

09/11/08	70879	17:46:11 - 17:58:43	gap at MM
09/11/08	70879	17:16:18 - 17:27:04	gap at CM
09/11/08	70880	19:25:21 - 19:38:01	gap at MM
09/11/08	70880	19:45:27 - 19:58:33	gap at JO
09/11/08	70881	21:04:52 - 21:17:35	gap at MM
09/11/08	70882	22:37:02 - 22:49:42	gap at HO
09/11/08	70882	22:45:08 - 22:57:25	gap at MM
09/11/08	70874	08:39:22 - 08:40:22	gap at KS
09/11/08	70875	10:19:00 - 10:20:02	gap at KS
09/11/08	70876	11:58:27 - 11:59:34	gap at KS
09/11/08	70877	13:37:27 - 13:38:30	gap at KS
09/11/08	70878	15:15:45 - 15:17:08	gap at KS
09/11/08	70879	16:53:24 - 16:54:34	gap at KS
09/11/08	70880	18:31:27 - 18:32:32	gap at KS
09/11/08	70875	10:33:07 - 10:34:16	gap at MS
09/11/08	70876	12:11:30 - 12:12:40	gap at MS
09/11/08	70881	20:03:38 - 20:04:54	gap at MA
09/11/08	70870	02:05:22 - 02:06:38	gap at BE
09/11/08	70871	03:44:30 - 03:45:43	gap at BE
09/11/08	70870	02:18:02 - 02:25:41	gap at SG
09/11/08	70871	03:55:28 - 04:04:33	gap at SG
09/11/08	70873	07:25:23 - 07:34:23	gap at JO
09/11/08	70874	09:04:35 - 09:06:17	gap at JO
09/11/08	70881	21:24:11 - 21:25:36	gap at JO
10/11/08	70883	00:14:53 - 00:29:31	gap at HO
10/11/08	70883	00:26:23 - 00:37:28	gap at MM
10/11/08	70884	01:58:12 - 02:06:52	gap at HO
10/11/08	70884	02:08:43 - 02:17:46	gap at MM
10/11/08	70885	03:51:46 - 03:58:30	gap at MM
10/11/08	70885	02:44:32 - 02:51:09	gap at CM
10/11/08	70885	04:20:32 - 04:32:48	gap at CM
10/11/08	70886	04:54:04 - 05:02:21	gap at BE
10/11/08	70886	05:34:26 - 05:40:15	gap at MM
10/11/08	70887	07:15:48 - 07:23:11	gap at MM
10/11/08	70888	08:56:21 - 09:06:06	gap at MM
10/11/08	70889	10:36:34 - 10:48:06	gap at MM
10/11/08	70890	12:16:33 - 12:29:03	gap at MM
10/11/08	70891	13:56:19 - 14:09:03	gap at MM
10/11/08	70891	14:21:19 - 14:31:59	gap at SG
10/11/08	70892	14:29:49 - 14:43:02	gap at BE
10/11/08	70892	15:35:48 - 15:48:25	gap at MM
10/11/08	70892	15:59:08 - 16:12:19	gap at SG
10/11/08	70892	15:07:58 - 15:14:27	gap at CM
10/11/08	70893	17:15:02 - 17:27:33	gap at MM
10/11/08	70894	18:54:10 - 19:06:47	gap at MM
10/11/08	70894	19:15:40 - 19:25:29	gap at JO
10/11/08	70895	20:33:32 - 20:46:16	gap at MM
10/11/08	70895	20:52:45 - 21:07:45	gap at JO

10/11/08	70896	22:07:17 - 22:18:02	gap at HO
10/11/08	70896	22:13:31 - 22:26:01	gap at MM
10/11/08	70896	22:34:29 - 22:43:00	gap at JO
10/11/08	70897	23:43:52 - 23:58:16	gap at HO
10/11/08	70897	23:54:26 - 00:06:00	gap at MM
10/11/08	70889	09:47:41 - 09:48:44	gap at KS
10/11/08	70890	11:27:14 - 11:28:22	gap at KS
10/11/08	70891	13:06:24 - 13:07:27	gap at KS
10/11/08	70892	14:45:06 - 14:46:12	gap at KS
10/11/08	70893	16:22:45 - 16:23:52	gap at KS
10/11/08	70894	18:00:34 - 18:01:57	gap at KS
10/11/08	70890	11:40:10 - 11:41:41	gap at MS
10/11/08	70891	13:21:33 - 13:22:42	gap at MS
10/11/08	70896	21:11:40 - 21:12:55	gap at MA
10/11/08	70892	15:12:02 - 15:14:39	gap at MI
10/11/08	70885	03:13:04 - 03:14:13	gap at BE
10/11/08	70885	03:24:04 - 03:26:02	gap at SG
10/11/08	70885	03:34:16 - 03:37:57	gap at SG
10/11/08	70887	06:55:33 - 06:57:19	gap at JO
10/11/08	70888	08:32:45 - 08:34:31	gap at JO
11/11/08	70897	23:54:26 - 00:06:00	gap at MM
11/11/08	70898	01:24:35 - 01:36:51	gap at HO
11/11/08	70898	01:36:27 - 01:46:13	gap at MM
11/11/08	70899	03:19:21 - 03:26:46	gap at MM
11/11/08	70899	02:53:18 - 03:06:25	gap at SG
11/11/08	70899	03:49:22 - 04:01:38	gap at CM
11/11/08	70900	05:02:18 - 05:08:07	gap at MM
11/11/08	70901	06:44:04 - 06:50:46	gap at MM
11/11/08	70901	05:58:10 - 06:02:58	gap at KS
11/11/08	70901	05:31:59 - 05:37:52	gap at CM
11/11/08	70901	06:26:56 - 06:34:15	gap at JO
11/11/08	70902	08:24:48 - 08:33:49	gap at MM
11/11/08	70902	08:01:32 - 08:16:28	gap at JO
11/11/08	70903	10:05:06 - 10:16:10	gap at MM
11/11/08	70903	09:43:15 - 09:53:58	gap at JO
11/11/08	70904	11:54:36 - 12:07:41	gap at HO
11/11/08	70904	11:45:09 - 11:57:26	gap at MM
11/11/08	70905	13:33:31 - 13:48:11	gap at HO
11/11/08	70905	13:24:59 - 13:37:42	gap at MM
11/11/08	70906	13:58:29 - 14:11:52	gap at BE
11/11/08	70906	15:14:42 - 15:22:49	gap at HO
11/11/08	70906	15:04:34 - 15:17:14	gap at MM
11/11/08	70906	14:14:09 - 14:25:53	gap at KS
11/11/08	70907	15:40:21 - 15:49:50	gap at BE
11/11/08	70907	16:43:52 - 16:56:24	gap at MM
11/11/08	70907	15:52:00 - 16:03:55	gap at KS
11/11/08	70908	18:23:00 - 18:35:35	gap at MM
11/11/08	70908	17:53:58 - 17:57:06	gap at MI

11/11/08	70908	17:29:55 - 17:42:43	gap at KS
11/11/08	70909	20:02:15 - 20:14:58	gap at MM
11/11/08	70909	19:08:09 - 19:22:04	gap at KS
11/11/08	70909	20:21:39 - 20:36:24	gap at JO
11/11/08	70910	21:42:00 - 21:54:38	gap at MM
11/11/08	70910	20:48:06 - 21:01:41	gap at KS
11/11/08	70910	22:01:51 - 22:14:02	gap at JO
11/11/08	70911	23:12:57 - 23:26:55	gap at HO
11/11/08	70911	23:22:37 - 23:34:33	gap at MM
11/11/08	70911	22:30:12 - 22:41:14	gap at KS
11/11/08	70904	10:55:58 - 10:57:02	gap at KS
11/11/08	70903	09:16:22 - 09:17:25	gap at KS
11/11/08	70904	11:09:05 - 11:10:15	gap at MS
11/11/08	70905	12:49:04 - 12:50:09	gap at MS
11/11/08	70900	03:50:25 - 03:52:02	gap at MI
11/11/08	70907	16:19:11 - 16:23:46	gap at MI
11/11/08	70899	02:41:53 - 02:43:05	gap at BE
11/11/08	70900	04:21:57 - 04:23:05	gap at BE
11/11/08	70900	04:33:31 - 04:35:10	gap at SG
12/11/08	70912	00:52:26 - 01:06:12	gap at HO
12/11/08	70912	01:04:16 - 01:14:42	gap at MM
12/11/08	70912	00:15:56 - 00:19:32	gap at KS
12/11/08	70913	02:46:56 - 02:55:07	gap at MM
12/11/08	70913	02:23:20 - 02:34:05	gap at SG
12/11/08	70914	04:30:01 - 04:36:08	gap at MM
12/11/08	70914	04:01:15 - 04:14:24	gap at SG
12/11/08	70915	06:12:14 - 06:18:23	gap at MM
12/11/08	70916	07:53:12 - 08:01:29	gap at MM
12/11/08	70916	07:30:53 - 07:44:57	gap at JO
12/11/08	70917	09:33:36 - 09:44:06	gap at MM
12/11/08	70917	09:10:26 - 09:23:57	gap at JO
12/11/08	70918	11:24:03 - 11:35:02	gap at HO
12/11/08	70918	11:13:44 - 11:25:43	gap at MM
12/11/08	70919	13:02:13 - 13:17:02	gap at HO
12/11/08	70919	12:53:38 - 13:06:17	gap at MM
12/11/08	70920	14:42:36 - 14:53:07	gap at HO
12/11/08	70920	14:33:18 - 14:46:00	gap at MM
12/11/08	70921	15:07:33 - 15:19:31	gap at BE
12/11/08	70921	16:12:41 - 16:25:15	gap at MM
12/11/08	70921	16:37:24 - 16:47:39	gap at SG
12/11/08	70922	17:51:51 - 18:04:24	gap at MM
12/11/08	70922	17:20:00 - 17:29:32	gap at MI
12/11/08	70923	19:31:02 - 19:43:42	gap at MM
12/11/08	70923	19:50:58 - 20:04:27	gap at JO
12/11/08	70924	21:10:35 - 21:23:17	gap at MM
12/11/08	70924	21:29:56 - 21:44:03	gap at JO
12/11/08	70925	22:42:32 - 22:55:26	gap at HO
12/11/08	70925	22:50:53 - 23:03:08	gap at MM

12/11/08	70920	13:43:05 - 13:44:10	gap at KS
12/11/08	70918	10:24:41 - 10:25:45	gap at KS
12/11/08	70921	15:21:17 - 15:22:42	gap at KS
12/11/08	70919	12:04:08 - 12:05:11	gap at KS
12/11/08	70922	16:58:59 - 17:00:08	gap at KS
12/11/08	70923	18:37:05 - 18:38:06	gap at KS
12/11/08	70918	10:38:37 - 10:39:48	gap at MS
12/11/08	70919	12:17:16 - 12:18:28	gap at MS
12/11/08	70926	23:26:20 - 23:27:21	gap at MS
12/11/08	70924	20:09:12 - 20:10:23	gap at MA
12/11/08	70913	02:10:57 - 02:12:19	gap at BE
12/11/08	70914	03:50:14 - 03:51:22	gap at BE
12/11/08	70922	17:22:45 - 17:32:29	gap at CM
13/11/08	70926	00:20:34 - 00:35:12	gap at HO
13/11/08	70926	00:32:12 - 00:43:12	gap at MM
13/11/08	70927	02:04:47 - 02:12:07	gap at HO
13/11/08	70927	02:14:35 - 02:23:31	gap at MM
13/11/08	70928	03:57:39 - 04:04:17	gap at MM
13/11/08	70928	03:29:44 - 03:43:37	gap at SG
13/11/08	70929	05:40:16 - 05:46:06	gap at MM
13/11/08	70930	07:21:33 - 07:29:05	gap at MM
13/11/08	70930	07:00:55 - 07:13:02	gap at JO
13/11/08	70931	09:02:05 - 09:11:57	gap at MM
13/11/08	70931	08:38:30 - 08:53:16	gap at JO
13/11/08	70932	10:42:17 - 10:53:54	gap at MM
13/11/08	70933	12:22:16 - 12:34:47	gap at MM
13/11/08	70934	12:57:21 - 13:08:49	gap at BE
13/11/08	70934	14:02:00 - 14:14:44	gap at MM
13/11/08	70935	14:35:34 - 14:48:41	gap at BE
13/11/08	70935	15:41:29 - 15:54:05	gap at MM
13/11/08	70935	16:04:56 - 16:17:51	gap at SG
13/11/08	70936	17:20:42 - 17:33:13	gap at MM
13/11/08	70937	18:59:50 - 19:12:28	gap at MM
13/11/08	70937	19:20:59 - 19:31:36	gap at JO
13/11/08	70938	20:39:14 - 20:51:58	gap at MM
13/11/08	70938	20:58:26 - 21:13:23	gap at JO
13/11/08	70939	22:12:38 - 22:23:50	gap at HO
13/11/08	70939	22:19:16 - 22:31:43	gap at MM
13/11/08	70939	22:40:35 - 22:48:04	gap at JO
13/11/08	70940	23:49:30 - 00:03:57	gap at HO
13/11/08	70931	08:13:45 - 08:14:47	gap at KS
13/11/08	70932	09:53:23 - 09:54:25	gap at KS
13/11/08	70933	11:32:55 - 11:34:02	gap at KS
13/11/08	70934	13:12:03 - 13:13:05	gap at KS
13/11/08	70935	14:50:43 - 14:51:49	gap at KS
13/11/08	70936	16:28:22 - 16:29:31	gap at KS
13/11/08	70937	18:06:09 - 18:07:28	gap at KS
13/11/08	70932	10:08:38 - 10:09:43	gap at MS

13/11/08	70933	11:45:49 - 11:46:57	gap at MS
13/11/08	70939	21:17:25 - 21:18:34	gap at MA
13/11/08	70928	03:18:46 - 03:29:00	gap at BE
13/11/08	70934	14:26:40 - 14:27:40	gap at SG
14/11/08	70940	23:49:30 - 00:03:57	gap at HO
14/11/08	70940	00:00:14 - 00:11:43	gap at MM
14/11/08	70941	01:30:34 - 01:42:23	gap at HO
14/11/08	70941	01:42:18 - 01:51:57	gap at MM
14/11/08	70942	02:47:32 - 03:00:53	gap at BE
14/11/08	70942	03:25:14 - 03:32:32	gap at MM
14/11/08	70943	04:27:45 - 04:38:20	gap at BE
14/11/08	70943	05:08:09 - 05:13:56	gap at MM
14/11/08	70944	06:49:50 - 06:56:40	gap at MM
14/11/08	70944	06:03:42 - 06:09:09	gap at KS
14/11/08	70944	06:31:59 - 06:40:22	gap at JO
14/11/08	70945	08:30:32 - 08:39:42	gap at MM
14/11/08	70945	08:07:10 - 08:22:10	gap at JO
14/11/08	70946	10:10:49 - 10:21:59	gap at MM
14/11/08	70946	09:49:22 - 09:59:18	gap at JO
14/11/08	70947	12:00:13 - 12:13:34	gap at HO
14/11/08	70947	11:50:52 - 12:03:11	gap at MM
14/11/08	70948	13:39:14 - 13:53:43	gap at HO
14/11/08	70948	13:30:41 - 13:43:24	gap at MM
14/11/08	70949	14:04:08 - 14:17:33	gap at BE
14/11/08	70949	15:20:34 - 15:28:10	gap at HO
14/11/08	70949	15:10:15 - 15:22:54	gap at MM
14/11/08	70949	15:33:19 - 15:47:10	gap at SG
14/11/08	70950	15:46:27 - 15:55:15	gap at BE
14/11/08	70950	16:49:32 - 17:02:04	gap at MM
14/11/08	70950	16:18:56 - 16:31:19	gap at CM
14/11/08	70951	18:28:40 - 18:41:15	gap at MM
14/11/08	70951	18:01:33 - 18:06:10	gap at CM
14/11/08	70952	20:07:56 - 20:20:40	gap at MM
14/11/08	70952	19:28:44 - 19:41:21	gap at PS
14/11/08	70952	20:27:16 - 20:42:09	gap at JO
14/11/08	70953	21:47:44 - 22:00:21	gap at MM
14/11/08	70953	22:07:43 - 22:19:24	gap at JO
14/11/08	70954	23:18:30 - 23:32:38	gap at HO
14/11/08	70954	23:28:23 - 23:40:16	gap at MM
14/11/08	70946	09:22:04 - 09:23:07	gap at KS
14/11/08	70947	11:01:39 - 11:02:43	gap at KS
14/11/08	70948	12:40:57 - 12:42:00	gap at KS
14/11/08	70949	14:19:47 - 14:20:55	gap at KS
14/11/08	70950	15:57:35 - 15:58:40	gap at KS
14/11/08	70951	17:35:30 - 17:36:38	gap at KS
14/11/08	70947	11:14:42 - 11:15:51	gap at MS
14/11/08	70948	12:54:54 - 12:56:00	gap at MS
14/11/08	70943	03:56:11 - 03:57:48	gap at MI

15/11/08	70955	00:58:16 - 01:11:47	gap at HO
15/11/08	70955	01:10:07 - 01:20:25	gap at MM
15/11/08	70955	00:22:22 - 00:24:51	gap at KS
15/11/08	70956	02:16:33 - 02:29:09	gap at BE
15/11/08	70956	02:52:50 - 03:00:52	gap at MM
15/11/08	70957	03:55:58 - 04:08:18	gap at BE
15/11/08	70957	04:35:54 - 04:41:56	gap at MM
15/11/08	70958	06:18:01 - 06:24:16	gap at MM
15/11/08	70959	07:58:57 - 08:07:22	gap at MM
15/11/08	70959	07:36:25 - 07:50:43	gap at JO
15/11/08	70960	09:39:20 - 09:49:57	gap at MM
15/11/08	70960	09:16:19 - 09:29:29	gap at JO
15/11/08	70961	11:19:27 - 11:31:30	gap at MM
15/11/08	70962	12:59:20 - 13:12:00	gap at MM
15/11/08	70963	14:48:25 - 14:58:21	gap at HO
15/11/08	70963	14:38:59 - 14:51:41	gap at MM
15/11/08	70964	15:13:27 - 15:25:05	gap at BE
15/11/08	70964	16:18:21 - 16:30:55	gap at MM
15/11/08	70964	16:43:27 - 16:52:55	gap at SG
15/11/08	70964	15:48:12 - 15:59:36	gap at CM
15/11/08	70965	17:57:31 - 18:10:04	gap at MM
15/11/08	70965	17:25:57 - 17:34:48	gap at MI
15/11/08	70965	17:28:03 - 17:37:52	gap at CM
15/11/08	70966	19:36:42 - 19:49:23	gap at MM
15/11/08	70966	19:56:31 - 20:10:19	gap at JO
15/11/08	70967	21:16:17 - 21:28:59	gap at MM
15/11/08	70967	21:35:43 - 21:49:33	gap at JO
15/11/08	70968	22:48:03 - 23:01:09	gap at HO
15/11/08	70968	22:56:39 - 23:08:50	gap at MM
15/11/08	70960	08:50:45 - 08:51:47	gap at KS
15/11/08	70961	10:30:22 - 10:31:26	gap at KS
15/11/08	70962	12:09:48 - 12:10:52	gap at KS
15/11/08	70963	13:48:43 - 13:49:51	gap at KS
15/11/08	70964	15:26:52 - 15:28:15	gap at KS
15/11/08	70965	17:04:34 - 17:05:41	gap at KS
15/11/08	70961	10:44:06 - 10:45:14	gap at MS
15/11/08	70962	12:23:00 - 12:24:12	gap at MS
15/11/08	70969	23:32:05 - 23:33:16	gap at MS
15/11/08	70957	03:24:45 - 03:27:06	gap at MI
15/11/08	70956	02:28:42 - 02:32:32	gap at SG
15/11/08	70957	04:07:03 - 04:11:52	gap at SG
15/11/08	70957	03:24:25 - 03:25:39	gap at CM
16/11/08	70969	00:26:14 - 00:40:52	gap at HO
16/11/08	70969	00:38:01 - 00:48:55	gap at MM
16/11/08	70970	01:45:58 - 01:56:45	gap at BE
16/11/08	70970	02:20:28 - 02:29:15	gap at MM
16/11/08	70971	04:03:32 - 04:10:04	gap at MM
16/11/08	70971	03:35:25 - 03:49:16	gap at SG



16/11/08	70971	02:54:50 - 03:03:19	gap at CM
16/11/08	70971	04:32:03 - 04:44:00	gap at CM
16/11/08	70972	05:46:05 - 05:51:58	gap at MM
16/11/08	70973	07:27:19 - 07:34:58	gap at MM
16/11/08	70973	07:06:18 - 07:18:53	gap at JO
16/11/08	70974	09:07:49 - 09:17:48	gap at MM
16/11/08	70974	08:44:15 - 08:58:53	gap at JO
16/11/08	70975	10:48:00 - 10:59:42	gap at MM
16/11/08	70976	12:27:58 - 12:40:31	gap at MM
16/11/08	70977	14:16:36 - 14:29:24	gap at HO
16/11/08	70977	14:07:42 - 14:20:25	gap at MM
16/11/08	70978	14:41:20 - 14:54:19	gap at BE
16/11/08	70978	15:47:09 - 15:59:45	gap at MM
16/11/08	70978	16:10:46 - 16:23:21	gap at SG
16/11/08	70978	15:18:21 - 15:26:52	gap at CM
16/11/08	70979	17:26:22 - 17:38:53	gap at MM
16/11/08	70979	16:56:00 - 17:07:51	gap at CM
16/11/08	70980	19:05:30 - 19:18:09	gap at MM
16/11/08	70980	19:26:22 - 19:37:40	gap at JO
16/11/08	70981	20:44:55 - 20:57:39	gap at MM
16/11/08	70981	21:04:08 - 21:19:00	gap at JO
16/11/08	70982	22:18:01 - 22:29:37	gap at HO
16/11/08	70982	22:25:00 - 22:37:26	gap at MM
16/11/08	70982	22:46:48 - 22:53:00	gap at JO
16/11/08	70983	23:55:08 - 00:09:38	gap at HO
16/11/08	70974	08:19:27 - 08:20:28	gap at KS
16/11/08	70975	09:59:04 - 10:00:08	gap at KS
16/11/08	70976	11:38:35 - 11:39:43	gap at KS
16/11/08	70977	13:17:42 - 13:18:45	gap at KS
16/11/08	70978	14:56:18 - 14:57:26	gap at KS
16/11/08	70979	16:33:55 - 16:35:04	gap at KS
16/11/08	70980	18:11:46 - 18:13:02	gap at KS
16/11/08	70975	10:14:00 - 10:15:06	gap at MS
16/11/08	70976	11:51:27 - 11:52:39	gap at MS
16/11/08	70982	21:23:11 - 21:24:21	gap at MA
16/11/08	70971	03:24:28 - 03:25:35	gap at BE
16/11/08	70977	14:32:04 - 14:33:45	gap at SG
16/11/08	70971	02:54:50 - 03:03:19	gap at CM
16/11/08	70971	04:32:03 - 04:44:00	gap at CM
16/11/08	70972	05:46:05 - 05:51:58	gap at MM
16/11/08	70973	07:27:19 - 07:34:58	gap at MM
16/11/08	70973	07:06:18 - 07:18:53	gap at JO
16/11/08	70974	09:07:49 - 09:17:48	gap at MM
16/11/08	70974	08:44:15 - 08:58:53	gap at JO
16/11/08	70975	10:48:00 - 10:59:42	gap at MM
16/11/08	70976	12:27:58 - 12:40:31	gap at MM
16/11/08	70977	14:16:36 - 14:29:24	gap at HO
16/11/08	70977	14:07:42 - 14:20:25	gap at MM

16/11/08	70978	14:41:20 - 14:54:19	gap at BE
16/11/08	70978	15:47:09 - 15:59:45	gap at MM
16/11/08	70978	16:10:46 - 16:23:21	gap at SG
16/11/08	70978	15:18:21 - 15:26:52	gap at CM
16/11/08	70979	17:26:22 - 17:38:53	gap at MM
16/11/08	70979	16:56:00 - 17:07:51	gap at CM
16/11/08	70980	19:05:30 - 19:18:09	gap at MM
16/11/08	70980	19:26:22 - 19:37:40	gap at JO
16/11/08	70981	20:44:55 - 20:57:39	gap at MM
16/11/08	70981	21:04:08 - 21:19:00	gap at JO
16/11/08	70982	22:18:01 - 22:29:37	gap at HO
16/11/08	70982	22:25:00 - 22:37:26	gap at MM
16/11/08	70982	22:46:48 - 22:53:00	gap at JO
16/11/08	70983	23:55:08 - 00:09:38	gap at HO
16/11/08	70974	08:19:27 - 08:20:28	gap at KS
16/11/08	70975	09:59:04 - 10:00:08	gap at KS
16/11/08	70976	11:38:35 - 11:39:43	gap at KS
16/11/08	70977	13:17:42 - 13:18:45	gap at KS
16/11/08	70978	14:56:18 - 14:57:26	gap at KS
16/11/08	70979	16:33:55 - 16:35:04	gap at KS
16/11/08	70980	18:11:46 - 18:13:02	gap at KS
16/11/08	70975	10:14:00 - 10:15:06	gap at MS
16/11/08	70976	11:51:27 - 11:52:39	gap at MS
16/11/08	70982	21:23:11 - 21:24:21	gap at MA
16/11/08	70971	03:24:28 - 03:25:35	gap at BE
16/11/08	70977	14:32:04 - 14:33:45	gap at SG
17/11/08	70983	23:55:08 - 00:09:38	gap at HO
17/11/08	70983	00:06:03 - 00:17:27	gap at MM
17/11/08	70984	01:36:27 - 01:47:54	gap at HO
17/11/08	70984	01:48:10 - 01:57:41	gap at MM
17/11/08	70985	02:53:12 - 03:06:35	gap at BE
17/11/08	70985	03:31:08 - 03:38:18	gap at MM
17/11/08	70985	04:00:37 - 04:13:02	gap at CM
17/11/08	70986	04:33:34 - 04:43:43	gap at BE
17/11/08	70986	05:14:00 - 05:19:47	gap at MM
17/11/08	70987	06:55:37 - 07:02:33	gap at MM
17/11/08	70987	06:37:08 - 06:46:24	gap at JO
17/11/08	70988	08:36:16 - 08:45:34	gap at MM
17/11/08	70988	08:12:49 - 08:27:51	gap at JO
17/11/08	70989	10:16:33 - 10:27:47	gap at MM
17/11/08	70989	09:55:33 - 10:04:34	gap at JO
17/11/08	70990	11:56:35 - 12:08:56	gap at MM
17/11/08	70991	13:36:23 - 13:49:06	gap at MM
17/11/08	70992	15:15:55 - 15:28:34	gap at MM
17/11/08	70993	15:52:36 - 16:00:37	gap at BE
17/11/08	70993	16:55:12 - 17:07:44	gap at MM
17/11/08	70993	16:24:35 - 16:37:00	gap at CM
17/11/08	70994	18:34:20 - 18:46:55	gap at MM

17/11/08	70994	18:08:27 - 18:10:30	gap at CM
17/11/08	70995	20:13:37 - 20:26:21	gap at MM
17/11/08	70995	20:32:55 - 20:47:52	gap at JO
17/11/08	70996	21:48:52 - 21:57:36	gap at HO
17/11/08	70996	21:53:27 - 22:06:03	gap at MM
17/11/08	70997	23:24:07 - 23:38:20	gap at HO
17/11/08	70997	23:34:10 - 23:45:59	gap at MM
17/11/08	70988	07:48:10 - 07:49:11	gap at KS
17/11/08	70989	09:27:46 - 09:28:49	gap at KS
17/11/08	70990	11:07:20 - 11:08:26	gap at KS
17/11/08	70991	12:46:37 - 12:47:40	gap at KS
17/11/08	70992	14:25:25 - 14:26:33	gap at KS
17/11/08	70993	16:03:10 - 16:04:17	gap at KS
17/11/08	70994	17:41:05 - 17:42:13	gap at KS
17/11/08	70990	11:20:20 - 11:21:31	gap at MS
17/11/08	70991	13:00:48 - 13:01:52	gap at MS
17/11/08	70986	04:01:58 - 04:03:37	gap at MI
17/11/08	70992	14:09:49 - 14:10:59	gap at BE
17/11/08	70992	14:12:56 - 14:23:14	gap at BE
17/11/08	70985	03:04:24 - 03:05:34	gap at SG
17/11/08	70992	15:39:01 - 15:40:13	gap at SG
18/11/08	70998	01:04:05 - 01:17:23	gap at HO
18/11/08	70998	01:15:57 - 01:26:09	gap at MM
18/11/08	70999	02:22:10 - 02:34:58	gap at BE
18/11/08	70999	02:58:43 - 03:06:37	gap at MM
18/11/08	70999	02:34:07 - 02:45:57	gap at SG
18/11/08	70999	03:29:55 - 03:41:30	gap at CM
18/11/08	71000	04:01:44 - 04:13:48	gap at BE
18/11/08	71000	04:41:46 - 04:47:44	gap at MM
18/11/08	71000	03:30:25 - 03:43:48	gap at MI
18/11/08	71000	05:10:20 - 05:19:38	gap at CM
18/11/08	71001	06:23:49 - 06:30:09	gap at MM
18/11/08	71002	08:04:42 - 08:13:15	gap at MM
18/11/08	71002	07:41:58 - 07:56:28	gap at JO
18/11/08	71003	09:45:04 - 09:55:47	gap at MM
18/11/08	71003	09:22:15 - 09:34:58	gap at JO
18/11/08	71004	11:35:04 - 11:47:07	gap at HO
18/11/08	71004	11:25:10 - 11:37:16	gap at MM
18/11/08	71005	13:13:35 - 13:28:24	gap at HO
18/11/08	71005	13:05:02 - 13:17:43	gap at MM
18/11/08	71006	14:54:14 - 15:03:43	gap at HO
18/11/08	71006	14:44:40 - 14:57:22	gap at MM
18/11/08	71007	15:19:22 - 15:30:37	gap at BE
18/11/08	71007	16:24:01 - 16:36:35	gap at MM
18/11/08	71007	15:53:44 - 16:05:26	gap at CM
18/11/08	71008	18:03:11 - 18:15:44	gap at MM
18/11/08	71008	17:33:59 - 17:43:12	gap at CM
18/11/08	71009	19:42:23 - 19:55:04	gap at MM

18/11/08	71009	19:03:02 - 19:16:21	gap at PS
18/11/08	71009	20:02:04 - 20:16:09	gap at JO
18/11/08	71010	21:22:00 - 21:34:41	gap at MM
18/11/08	71010	20:43:13 - 20:52:20	gap at PS
18/11/08	71010	21:41:29 - 21:55:02	gap at JO
18/11/08	71011	22:53:39 - 23:06:53	gap at HO
18/11/08	71011	23:02:24 - 23:14:33	gap at MM
18/11/08	71003	08:56:27 - 08:57:28	gap at KS
18/11/08	71004	10:36:04 - 10:37:09	gap at KS
18/11/08	71005	12:15:28 - 12:16:32	gap at KS
18/11/08	71006	13:54:22 - 13:55:30	gap at KS
18/11/08	71007	15:32:27 - 15:33:44	gap at KS
18/11/08	71008	17:10:11 - 17:11:21	gap at KS
18/11/08	71004	10:49:36 - 10:50:45	gap at MS
18/11/08	71005	12:28:44 - 12:29:55	gap at MS
18/11/08	71000	04:12:53 - 04:17:04	gap at SG
19/11/08	71012	00:32:01 - 00:46:32	gap at HO
19/11/08	71012	00:43:51 - 00:54:39	gap at MM
19/11/08	71013	01:51:29 - 02:02:42	gap at BE
19/11/08	71013	02:26:21 - 02:35:00	gap at MM
19/11/08	71014	04:09:26 - 04:15:51	gap at MM
19/11/08	71014	03:00:07 - 03:09:18	gap at CM
19/11/08	71015	05:51:54 - 05:57:50	gap at MM
19/11/08	71015	06:18:27 - 06:30:09	gap at CM
19/11/08	71016	07:33:04 - 07:40:52	gap at MM
19/11/08	71016	07:11:43 - 07:24:42	gap at JO
19/11/08	71017	09:13:33 - 09:23:39	gap at MM
19/11/08	71017	08:50:02 - 09:04:29	gap at JO
19/11/08	71018	11:05:10 - 11:13:57	gap at HO
19/11/08	71018	10:53:43 - 11:05:29	gap at MM
19/11/08	71018	10:19:26 - 10:20:34	gap at MS
19/11/08	71014	03:30:11 - 03:31:20	gap at BE
19/11/08	71014	03:41:07 - 03:46:59	gap at SG
19/11/08 - 20/11/08	71019 - 71037	~12:00 - 17:26	Data gap due to GOME anomaly
20/11/08	71037	18:40:00 - 18:52:36	gap at MM
20/11/08	71037	19:02:44 - 19:09:46	gap at JO
20/11/08	71038	20:19:19 - 20:32:02	gap at MM
20/11/08	71038	20:38:34 - 20:53:34	gap at JO
20/11/08	71039	21:54:05 - 22:03:28	gap at HO
20/11/08	71039	21:59:11 - 22:11:45	gap at MM
20/11/08	71039	22:19:31 - 22:30:01	gap at JO
20/11/08	71040	23:29:43 - 23:44:02	gap at HO
20/11/08	71040	23:39:58 - 23:51:42	gap at MM
20/11/08	71037	17:46:40 - 17:47:50	gap at KS
21/11/08	71041	01:09:53 - 01:22:58	gap at HO
21/11/08	71041	01:21:48 - 01:31:53	gap at MM
21/11/08	71042	03:04:37 - 03:12:22	gap at MM

21/11/08	71042	02:39:33 - 02:51:50	gap at SG
21/11/08	71042	03:35:26 - 03:47:17	gap at CM
21/11/08	71043	04:47:38 - 04:53:33	gap at MM
21/11/08	71044	06:29:36 - 06:36:03	gap at MM
21/11/08	71044	05:16:24 - 05:24:57	gap at CM
21/11/08	71045	08:10:26 - 08:19:08	gap at MM
21/11/08	71046	09:50:47 - 10:01:36	gap at MM
21/11/08	71047	11:30:53 - 11:43:02	gap at MM
21/11/08	71048	13:10:44 - 13:23:26	gap at MM
21/11/08	71049	15:00:05 - 15:09:12	gap at HO
21/11/08	71049	14:50:21 - 15:03:03	gap at MM
21/11/08	71050	15:25:19 - 15:36:09	gap at BE
21/11/08	71050	16:29:42 - 16:42:15	gap at MM
21/11/08	71050	16:55:47 - 17:03:12	gap at SG
21/11/08	71050	15:59:18 - 16:11:14	gap at CM
21/11/08	71051	18:08:51 - 18:21:24	gap at MM
21/11/08	71051	17:39:57 - 17:48:29	gap at CM
21/11/08	71052	19:48:03 - 20:00:45	gap at MM
21/11/08	71052	20:07:39 - 20:21:58	gap at JO
21/11/08	71053	21:27:43 - 21:40:23	gap at MM
21/11/08	71054	22:59:14 - 23:12:37	gap at HO
21/11/08	71054	23:08:11 - 23:20:16	gap at MM
21/11/08	71046	09:02:08 - 09:03:11	gap at KS
21/11/08	71047	10:41:45 - 10:42:50	gap at KS
21/11/08	71048	12:21:08 - 12:22:12	gap at KS
21/11/08	71049	14:00:02 - 14:01:10	gap at KS
21/11/08	71050	15:38:03 - 15:39:16	gap at KS
21/11/08	71051	17:15:52 - 17:17:00	gap at KS
21/11/08	71047	10:55:03 - 10:56:09	gap at MS
21/11/08	71048	12:34:29 - 12:35:33	gap at MS
21/11/08	71043	03:36:07 - 03:37:09	gap at MI
21/11/08	71042	02:27:47 - 02:28:59	gap at BE
21/11/08	71043	04:07:29 - 04:08:36	gap at BE
21/11/08	71045	07:47:32 - 07:49:03	gap at JO
21/11/08	71046	09:28:12 - 09:29:50	gap at JO
21/11/08	71053	21:47:17 - 21:49:59	gap at JO
21/11/08	71053	21:53:35 - 22:00:30	gap at JO
22/11/08	71055	00:37:54 - 00:52:11	gap at HO
22/11/08	71055	00:49:41 - 01:00:22	gap at MM
22/11/08	71055	00:00:21 - 00:05:49	gap at KS
22/11/08	71056	01:57:01 - 02:08:38	gap at BE
22/11/08	71056	02:32:14 - 02:40:45	gap at MM
22/11/08	71057	04:15:19 - 04:21:38	gap at MM
22/11/08	71057	03:05:05 - 03:18:10	gap at MI
22/11/08	71057	03:05:26 - 03:15:13	gap at CM
22/11/08	71057	04:43:40 - 04:55:06	gap at CM
22/11/08	71058	05:57:43 - 06:03:42	gap at MM
22/11/08	71058	04:46:21 - 04:55:54	gap at MI

22/11/08	71059	07:38:49 - 07:46:45	gap at MM
22/11/08	71060	09:19:17 - 09:29:30	gap at MM
22/11/08	71061	10:59:27 - 11:11:16	gap at MM
22/11/08	71062	12:39:23 - 12:51:59	gap at MM
22/11/08	71063	14:28:08 - 14:40:10	gap at HO
22/11/08	71063	14:19:05 - 14:31:48	gap at MM
22/11/08	71064	14:52:56 - 15:05:33	gap at BE
22/11/08	71064	15:58:30 - 16:11:05	gap at MM
22/11/08	71064	15:25:19 - 15:38:04	gap at MI
22/11/08	71064	16:22:31 - 16:34:15	gap at SG
22/11/08	71064	15:29:03 - 15:38:56	gap at CM
22/11/08	71065	17:37:41 - 17:50:13	gap at MM
22/11/08	71065	17:05:16 - 17:16:11	gap at MI
22/11/08	71066	19:16:51 - 19:29:30	gap at MM
22/11/08	71066	19:37:14 - 19:49:39	gap at JO
22/11/08	71067	20:56:19 - 21:09:03	gap at MM
22/11/08	71068	22:28:52 - 22:41:06	gap at HO
22/11/08	71068	22:36:30 - 22:48:51	gap at MM
22/11/08	71060	08:30:50 - 08:31:54	gap at KS
22/11/08	71061	10:10:27 - 10:11:37	gap at KS
22/11/08	71062	11:49:57 - 11:51:07	gap at KS
22/11/08	71063	13:28:59 - 13:30:05	gap at KS
22/11/08	71064	15:07:26 - 15:08:47	gap at KS
22/11/08	71065	16:45:03 - 16:46:17	gap at KS
22/11/08	71066	18:23:01 - 18:24:11	gap at KS
22/11/08	71061	10:24:53 - 10:26:08	gap at MS
22/11/08	71062	12:02:55 - 12:03:58	gap at MS
22/11/08	71067	19:55:19 - 19:56:31	gap at MA
22/11/08	71057	03:35:54 - 03:38:33	gap at BE
22/11/08	71063	14:42:58 - 14:45:59	gap at SG
22/11/08	71063	14:47:59 - 14:55:35	gap at SG
22/11/08	71059	07:17:10 - 07:18:54	gap at JO
22/11/08	71060	08:55:50 - 08:57:27	gap at JO
22/11/08	71067	21:15:35 - 21:17:08	gap at JO
22/11/08	71067	21:29:08 - 21:30:11	gap at JO
23/11/08	71069	00:06:25 - 00:21:00	gap at HO
23/11/08	71069	00:17:40 - 00:28:53	gap at MM
23/11/08	71070	01:48:58 - 01:58:53	gap at HO
23/11/08	71070	01:59:54 - 02:09:10	gap at MM
23/11/08	71071	03:04:32 - 03:17:57	gap at BE
23/11/08	71071	03:42:55 - 03:49:50	gap at MM
23/11/08	71071	02:34:44 - 02:46:27	gap at MI
23/11/08	71071	02:37:11 - 02:41:41	gap at CM
23/11/08	71071	04:11:58 - 04:24:21	gap at CM
23/11/08	71072	04:45:15 - 04:54:25	gap at BE
23/11/08	71072	05:25:41 - 05:31:28	gap at MM
23/11/08	71072	04:13:37 - 04:25:52	gap at MI
23/11/08	71073	07:07:09 - 07:14:21	gap at MM

23/11/08	71074	08:47:45 - 08:57:18	gap at MM
23/11/08	71075	10:27:59 - 10:39:24	gap at MM
23/11/08	71076	12:08:00 - 12:20:26	gap at MM
23/11/08	71077	13:56:25 - 14:10:23	gap at HO
23/11/08	71077	13:47:46 - 14:00:30	gap at MM
23/11/08	71078	14:21:13 - 14:34:34	gap at BE
23/11/08	71078	15:27:17 - 15:39:55	gap at MM
23/11/08	71078	14:54:58 - 15:05:44	gap at MI
23/11/08	71079	16:05:11 - 16:11:05	gap at BE
23/11/08	71079	17:06:32 - 17:19:04	gap at MM
23/11/08	71079	16:33:21 - 16:46:06	gap at MI
23/11/08	71080	18:45:40 - 18:58:16	gap at MM
23/11/08	71080	19:07:49 - 19:16:08	gap at JO
23/11/08	71081	20:25:00 - 20:37:44	gap at MM
23/11/08	71081	20:44:14 - 20:59:15	gap at JO
23/11/08	71082	22:04:55 - 22:17:27	gap at MM
23/11/08	71082	22:25:28 - 22:35:15	gap at JO
23/11/08	71083	23:35:21 - 23:49:44	gap at HO
23/11/08	71083	23:45:45 - 23:57:25	gap at MM
23/11/08	71073	06:20:27 - 06:22:26	gap at KS
23/11/08	71073	06:22:34 - 06:27:23	gap at KS
23/11/08	71074	07:59:32 - 08:00:39	gap at KS
23/11/08	71075	09:39:09 - 09:40:18	gap at KS
23/11/08	71076	11:18:42 - 11:19:53	gap at KS
23/11/08	71077	12:57:55 - 12:59:04	gap at KS
23/11/08	71078	14:36:40 - 14:37:55	gap at KS
23/11/08	71079	16:14:20 - 16:15:34	gap at KS
23/11/08	71080	17:52:14 - 17:53:33	gap at KS
23/11/08	71076	11:31:39 - 11:32:53	gap at MS
23/11/08	71077	13:12:35 - 13:13:39	gap at MS
23/11/08	71071	03:15:37 - 03:23:31	gap at SG
23/11/08	71078	15:50:29 - 15:52:01	gap at SG
23/11/08	71078	15:00:41 - 15:01:46	gap at CM
23/11/08	71079	16:35:57 - 16:39:00	gap at CM
23/11/08	71073	06:47:35 - 06:49:35	gap at JO
23/11/08	71074	08:24:11 - 08:26:57	gap at JO
23/11/08	71075	10:08:17 - 10:10:24	gap at JO
24/11/08	71084	01:15:43 - 01:28:32	gap at HO
24/11/08	71084	01:27:40 - 01:37:37	gap at MM
24/11/08	71085	02:33:25 - 02:46:32	gap at BE
24/11/08	71085	03:10:30 - 03:18:08	gap at MM
24/11/08	71085	02:05:17 - 02:14:05	gap at MI
24/11/08	71085	02:45:02 - 02:57:41	gap at SG
24/11/08	71085	03:40:59 - 03:53:02	gap at CM
24/11/08	71086	04:13:16 - 04:24:45	gap at BE
24/11/08	71086	04:53:30 - 04:59:22	gap at MM
24/11/08	71086	03:41:49 - 03:55:06	gap at MI
24/11/08	71087	06:35:23 - 06:41:56	gap at MM



24/11/08	71087	05:49:59 - 05:52:29	gap at KS
24/11/08	71087	05:22:33 - 05:30:13	gap at CM
24/11/08	71088	08:16:11 - 08:25:00	gap at MM
24/11/08	71088	07:53:07 - 08:07:55	gap at JO
24/11/08	71089	09:56:31 - 10:07:26	gap at MM
24/11/08	71090	11:36:35 - 11:48:48	gap at MM
24/11/08	71091	13:16:26 - 13:29:08	gap at MM
24/11/08	71092	15:05:55 - 15:14:40	gap at HO
24/11/08	71092	14:56:02 - 15:08:43	gap at MM
24/11/08	71092	14:25:59 - 14:31:50	gap at MI
24/11/08	71092	15:19:09 - 15:33:00	gap at SG
24/11/08	71093	15:31:18 - 15:41:39	gap at BE
24/11/08	71093	16:35:22 - 16:47:54	gap at MM
24/11/08	71093	16:01:55 - 16:15:18	gap at MI
24/11/08	71094	18:14:30 - 18:27:04	gap at MM
24/11/08	71094	17:44:13 - 17:50:06	gap at MI
24/11/08	71095	19:53:44 - 20:06:26	gap at MM
24/11/08	71095	20:13:14 - 20:27:45	gap at JO
24/11/08	71096	21:33:26 - 21:46:05	gap at MM
24/11/08	71097	23:04:43 - 23:18:21	gap at HO
24/11/08	71097	23:13:57 - 23:25:59	gap at MM
24/11/08	71098	23:49:28 - 00:02:08	gap at MS
24/11/08	71089	09:07:50 - 09:09:01	gap at KS
24/11/08	71090	10:47:26 - 10:48:39	gap at KS
24/11/08	71091	12:26:48 - 12:28:01	gap at KS
24/11/08	71092	14:05:41 - 14:06:58	gap at KS
24/11/08	71093	15:43:38 - 15:44:52	gap at KS
24/11/08	71090	11:00:39 - 11:01:49	gap at MS
24/11/08	71091	12:40:15 - 12:41:19	gap at MS
24/11/08	71086	04:24:37 - 04:29:24	gap at SG
24/11/08	71093	16:04:53 - 16:06:59	gap at CM
24/11/08	71089	09:34:11 - 09:36:17	gap at JO
24/11/08	71096	21:53:06 - 21:54:51	gap at JO
25/11/08	71098	00:43:42 - 00:57:48	gap at HO
25/11/08	71098	00:55:31 - 01:06:06	gap at MM
25/11/08	71098	00:06:32 - 00:11:21	gap at KS
25/11/08	71099	02:38:07 - 02:46:30	gap at MM
25/11/08	71100	04:21:12 - 04:27:26	gap at MM
25/11/08	71100	03:10:41 - 03:23:54	gap at MI
25/11/08	71100	03:10:49 - 03:21:07	gap at CM
25/11/08	71100	04:49:32 - 05:00:37	gap at CM
25/11/08	71101	06:03:31 - 06:09:34	gap at MM
25/11/08	71101	04:52:27 - 05:01:14	gap at MI
25/11/08	71102	07:44:35 - 07:52:39	gap at MM
25/11/08	71103		Data gap due to ERS2 planned unavailability (see unavailability report ERS-2-UNA2008041)
25/11/08	71104	11:05:10 - 11:17:03	gap at MM

25/11/08	71105	12:45:05 - 12:57:42	gap at MM
25/11/08	71106	14:33:55 - 14:45:36	gap at HO
25/11/08	71106	14:24:46 - 14:37:29	gap at MM
25/11/08	71107	16:04:10 - 16:16:45	gap at MM
25/11/08	71107	15:30:54 - 15:43:52	gap at MI
25/11/08	71107	16:28:26 - 16:39:39	gap at SG
25/11/08	71108	17:43:21 - 17:55:53	gap at MM
25/11/08	71108	17:11:08 - 17:21:33	gap at MI
25/11/08	71109	19:22:31 - 19:35:11	gap at MM
25/11/08	71109	19:42:42 - 19:55:36	gap at JO
25/11/08	71110	21:02:01 - 21:14:44	gap at MM
25/11/08	71111	22:34:19 - 22:46:50	gap at HO
25/11/08	71111	22:42:15 - 22:54:34	gap at MM
25/11/08	71103	08:36:31 - 08:37:35	gap at KS
25/11/08	71103	08:39:58 - 08:49:36	gap at KS
25/11/08	71104	10:16:09 - 10:26:13	gap at KS
25/11/08	71105	11:55:37 - 11:56:47	gap at KS
25/11/08	71106	13:34:37 - 13:35:43	gap at KS
25/11/08	71107	15:12:59 - 15:14:22	gap at KS
25/11/08	71108	16:50:36 - 16:51:50	gap at KS
25/11/08	71109	18:28:38 - 18:29:43	gap at KS
25/11/08	71104	10:30:22 - 10:33:48	gap at MS
25/11/08	71105	12:08:38 - 12:09:50	gap at MS
25/11/08	71104	10:24:11 - 10:26:15	gap at MA
25/11/08	71099	02:02:35 - 02:03:55	gap at BE
25/11/08	71100	03:41:38 - 03:42:56	gap at BE
25/11/08	71107	14:58:46 - 15:00:10	gap at BE
25/11/08	71107	15:03:19 - 15:11:09	gap at BE
25/11/08	71099	02:15:24 - 02:17:55	gap at SG
25/11/08	71100	04:04:31 - 04:06:04	gap at SG
25/11/08	71106	14:48:28 - 14:51:42	gap at SG
25/11/08	71102	07:22:38 - 07:24:42	gap at JO
25/11/08	71110	21:21:19 - 21:22:47	gap at JO
25/11/08	71103	09:25:01 - 09:35:21	gap at MM
25/11/08	71103	08:45:29 - 08:57:50	gap at MA
26/11/08	71112	00:12:03 - 00:26:41	gap at HO
26/11/08	71112	00:23:28 - 00:34:37	gap at MM
26/11/08	71113	01:55:11 - 02:04:13	gap at HO
26/11/08	71113	02:05:46 - 02:14:54	gap at MM
26/11/08	71114	03:48:49 - 03:55:37	gap at MM
26/11/08	71114	03:21:15 - 03:35:06	gap at SG
26/11/08	71115	04:51:07 - 04:59:43	gap at BE
26/11/08	71115	05:31:31 - 05:37:19	gap at MM
26/11/08	71116	07:12:55 - 07:20:14	gap at MM
26/11/08	71117	08:53:29 - 09:03:10	gap at MM
26/11/08	71118	10:33:42 - 10:45:12	gap at MM
26/11/08	71119	12:13:42 - 12:26:11	gap at MM
26/11/08	71120	13:53:28 - 14:06:12	gap at MM

26/11/08	71121	15:32:58 - 15:45:35	gap at MM
26/11/08	71121	15:56:15 - 16:09:33	gap at SG
26/11/08	71122	17:12:12 - 17:24:44	gap at MM
26/11/08	71123	18:51:20 - 19:03:57	gap at MM
26/11/08	71123	19:13:02 - 19:22:23	gap at JO
26/11/08	71124	20:30:41 - 20:43:25	gap at MM
26/11/08	71124	19:51:37 - 20:03:23	gap at PS
26/11/08	71124	20:49:54 - 21:04:55	gap at JO
26/11/08	71125	22:04:35 - 22:15:08	gap at HO
26/11/08	71125	22:10:39 - 22:23:10	gap at MM
26/11/08	71125	22:31:28 - 22:40:26	gap at JO
26/11/08	71126	23:41:02 - 23:55:25	gap at HO
26/11/08	71126	23:51:33 - 00:03:09	gap at MM
26/11/08	71117	08:05:13 - 08:06:17	gap at KS
26/11/08	71118	09:44:50 - 09:45:56	gap at KS
26/11/08	71119	11:24:23 - 11:25:34	gap at KS
26/11/08	71120	13:03:35 - 13:04:41	gap at KS
26/11/08	71121	14:42:17 - 14:43:26	gap at KS
26/11/08	71122	16:19:57 - 16:21:08	gap at KS
26/11/08	71123	17:57:47 - 17:59:13	gap at KS
26/11/08	71119	11:37:20 - 11:38:34	gap at MS
26/11/08	71120	13:18:32 - 13:19:38	gap at MS
26/11/08	71117	08:14:39 - 08:15:47	gap at MA
26/11/08	71125	21:08:48 - 21:10:02	gap at MA
26/11/08	71114	03:10:14 - 03:11:25	gap at BE
26/11/08	71114	03:18:01 - 03:23:37	gap at BE
26/11/08	71121	14:26:56 - 14:28:13	gap at BE
26/11/08	71121	14:31:04 - 14:40:13	gap at BE
26/11/08	71120	14:18:39 - 14:19:44	gap at SG
26/11/08	71120	14:25:01 - 14:28:59	gap at SG
26/11/08	71114	04:17:40 - 04:20:05	gap at CM
26/11/08	71116	06:52:53 - 06:54:34	gap at JO
26/11/08	71117	08:29:54 - 08:31:48	gap at JO
26/11/08	71117	08:40:54 - 08:44:49	gap at JO
27/11/08	71126	23:51:33 - 00:03:09	gap at MM
27/11/08	71127	01:21:35 - 01:34:05	gap at HO
27/11/08	71127	01:33:31 - 01:43:21	gap at MM
27/11/08	71128	03:16:24 - 03:23:53	gap at MM
27/11/08	71128	02:50:32 - 03:03:30	gap at SG
27/11/08	71129	04:59:22 - 05:05:12	gap at MM
27/11/08	71130	06:41:10 - 06:47:49	gap at MM
27/11/08	71130	05:55:25 - 05:59:51	gap at KS
27/11/08	71130	06:24:28 - 06:31:10	gap at JO
27/11/08	71131	08:21:56 - 08:30:53	gap at MM
27/11/08	71131	07:58:43 - 08:13:37	gap at JO
27/11/08	71132	10:02:14 - 10:13:15	gap at MM
27/11/08	71132	09:40:13 - 09:51:17	gap at JO
27/11/08	71133	11:42:18 - 11:54:33	gap at MM

27/11/08	71134	13:22:08 - 13:34:51	gap at MM
27/11/08	71135	15:11:46 - 15:20:07	gap at HO
27/11/08	71135	15:01:43 - 15:14:24	gap at MM
27/11/08	71136	15:37:19 - 15:47:07	gap at BE
27/11/08	71136	16:41:02 - 16:53:34	gap at MM
27/11/08	71137	18:20:10 - 18:32:45	gap at MM
27/11/08	71137	17:50:36 - 17:54:53	gap at MI
27/11/08	71138	19:59:25 - 20:12:08	gap at MM
27/11/08	71138	19:20:10 - 19:33:02	gap at PS
27/11/08	71138	20:18:50 - 20:33:32	gap at JO
27/11/08	71139	21:39:09 - 21:51:47	gap at MM
27/11/08	71139	21:00:30 - 21:08:26	gap at PS
27/11/08	71139	21:58:56 - 22:11:21	gap at JO
27/11/08	71140	23:10:12 - 23:24:04	gap at HO
27/11/08	71140	23:19:43 - 23:31:42	gap at MM
27/11/08	71141	23:55:18 - 00:07:42	gap at MS
27/11/08	71132	09:13:32 - 09:14:38	gap at KS
27/11/08	71133	10:53:08 - 10:54:16	gap at KS
27/11/08	71134	12:32:28 - 12:33:35	gap at KS
27/11/08	71135	14:11:20 - 14:12:31	gap at KS
27/11/08	71136	15:49:13 - 15:50:22	gap at KS
27/11/08	71137	17:27:07 - 17:28:18	gap at KS
27/11/08	71135	14:23:23 - 14:26:52	gap at GS
27/11/08	71133	11:06:16 - 11:07:29	gap at MS
27/11/08	71134	12:46:07 - 12:47:12	gap at MS
27/11/08	71129	03:47:33 - 03:49:13	gap at MI
27/11/08	71128	02:39:03 - 02:40:19	gap at BE
27/11/08	71129	04:19:03 - 04:20:12	gap at BE
27/11/08	71135	13:55:39 - 13:56:50	gap at BE
27/11/08	71135	13:57:17 - 14:09:01	gap at BE
27/11/08	71129	04:30:32 - 04:35:27	gap at SG
27/11/08	71130	05:28:48 - 05:29:51	gap at CM
27/11/08	71136	16:10:29 - 16:12:43	gap at CM
28/11/08	71141	00:49:31 - 01:03:24	gap at HO
28/11/08	71141	01:01:21 - 01:11:50	gap at MM
28/11/08	71141	00:12:47 - 00:16:50	gap at KS
28/11/08	71142	02:44:00 - 02:52:14	gap at MM
28/11/08	71143	04:27:05 - 04:33:14	gap at MM
28/11/08	71144	06:09:20 - 06:15:27	gap at MM
28/11/08	71145	07:50:20 - 07:58:32	gap at MM
28/11/08	71145	07:28:08 - 07:42:04	gap at JO
28/11/08	71146	09:30:44 - 09:41:11	gap at MM
28/11/08	71146	09:07:30 - 09:21:11	gap at JO
28/11/08	71147	11:21:21 - 11:31:59	gap at HO
28/11/08	71147	11:10:52 - 11:22:50	gap at MM
28/11/08	71147	10:21:50 - 10:35:50	gap at KS
28/11/08	71148	12:59:23 - 13:14:12	gap at HO
28/11/08	71148	12:50:47 - 13:03:25	gap at MM

28/11/08	71148	12:01:17 - 12:14:35	gap at KS
28/11/08	71149	14:39:42 - 14:50:47	gap at HO
28/11/08	71149	14:30:27 - 14:43:10	gap at MM
28/11/08	71150	16:09:51 - 16:22:25	gap at MM
28/11/08	71150	16:34:24 - 16:45:00	gap at SG
28/11/08	71151	17:49:01 - 18:01:33	gap at MM
28/11/08	71151	17:17:02 - 17:26:53	gap at MI
28/11/08	71152	19:28:11 - 19:40:52	gap at MM
28/11/08	71152	19:48:13 - 20:01:30	gap at JO
28/11/08	71153	21:07:44 - 21:20:26	gap at MM
28/11/08	71153	21:27:04 - 21:41:17	gap at JO
28/11/08	71154	22:39:46 - 22:52:34	gap at HO
28/11/08	71154	22:48:00 - 23:00:16	gap at MM
28/11/08	71146	08:42:13 - 08:43:18	gap at KS
28/11/08	71149	13:40:16 - 13:41:26	gap at KS
28/11/08	71150	15:18:30 - 15:19:59	gap at KS
28/11/08	71151	16:56:11 - 16:57:27	gap at KS
28/11/08	71152	18:34:16 - 18:35:25	gap at KS
28/11/08	71147	10:35:51 - 10:37:05	gap at MS
28/11/08	71148	12:14:24 - 12:15:36	gap at MS
28/11/08	71142	02:08:10 - 02:09:29	gap at BE
28/11/08	71143	03:47:22 - 03:48:36	gap at BE
28/11/08	71150	15:04:37 - 15:06:13	gap at BE
28/11/08	71150	15:09:08 - 15:16:44	gap at BE
28/11/08	71149	14:53:59 - 14:55:04	gap at SG
29/11/08	71155	00:17:43 - 00:32:21	gap at HO
29/11/08	71155	00:29:18 - 00:40:20	gap at MM
29/11/08	71156	02:01:23 - 02:09:30	gap at HO
29/11/08	71156	02:11:39 - 02:20:39	gap at MM
29/11/08	71157	03:54:42 - 04:01:23	gap at MM
29/11/08	71158	04:57:01 - 05:04:59	gap at BE
29/11/08	71158	05:37:21 - 05:43:10	gap at MM
29/11/08	71159	07:18:41 - 07:26:08	gap at MM
29/11/08	71159	06:31:41 - 06:39:37	gap at KS
29/11/08	71159	06:58:14 - 07:10:06	gap at JO
29/11/08	71160	08:59:13 - 09:09:01	gap at MM
29/11/08	71160	08:20:07 - 08:31:15	gap at MA
29/11/08	71160	08:35:37 - 08:50:27	gap at JO
29/11/08	71161	10:39:26 - 10:51:00	gap at MM
29/11/08	71162	12:28:22 - 12:42:52	gap at HO
29/11/08	71162	12:19:25 - 12:31:55	gap at MM
29/11/08	71163	14:07:57 - 14:21:12	gap at HO
29/11/08	71163	13:59:09 - 14:11:53	gap at MM
29/11/08	71163	14:23:59 - 14:34:58	gap at SG
29/11/08	71164	15:38:38 - 15:51:15	gap at MM
29/11/08	71165	17:17:52 - 17:30:23	gap at MM
29/11/08	71166	18:57:00 - 19:09:38	gap at MM
29/11/08	71166	19:18:19 - 19:28:33	gap at JO

29/11/08	71167	20:36:23 - 20:49:07	gap at MM
29/11/08	71167	19:36:04 - 19:48:01	gap at MA
29/11/08	71167	20:55:35 - 21:10:34	gap at JO
29/11/08	71168	22:09:58 - 22:20:56	gap at HO
29/11/08	71168	22:16:23 - 22:28:52	gap at MM
29/11/08	71168	22:37:32 - 22:45:33	gap at JO
29/11/08	71169	23:46:41 - 00:01:06	gap at HO
29/11/08	71169	23:57:20 - 00:08:52	gap at MM
29/11/08	71160	08:10:55 - 08:12:00	gap at KS
29/11/08	71161	09:50:32 - 09:51:41	gap at KS
29/11/08	71162	11:30:04 - 11:31:17	gap at KS
29/11/08	71163	13:09:14 - 13:10:21	gap at KS
29/11/08	71164	14:47:54 - 14:49:07	gap at KS
29/11/08	71165	16:25:34 - 16:26:46	gap at KS
29/11/08	71166	18:03:21 - 18:04:48	gap at KS
29/11/08	71162	11:43:00 - 11:44:14	gap at MS
29/11/08	71163	13:24:37 - 13:25:42	gap at MS
29/11/08	71157	03:15:55 - 03:17:08	gap at BE
29/11/08	71164	14:32:41 - 14:33:59	gap at BE
29/11/08	71164	14:37:02 - 14:45:52	gap at BE
29/11/08	71157	03:26:54 - 03:28:53	gap at SG
29/11/08	71163	14:23:59 - 14:25:00	gap at SG
30/11/08	71170	01:39:22 - 01:49:05	gap at MM
30/11/08	71171	02:44:42 - 02:58:01	gap at BE
30/11/08	71171	03:52:10 - 04:04:29	gap at CM
30/11/08	71172	03:53:18 - 04:06:21	gap at MI
30/11/08	71173	05:41:34 - 05:54:44	gap at PS
30/11/08	71173	06:00:56 - 06:06:04	gap at KS
30/11/08	71173	06:29:27 - 06:37:19	gap at JO
30/11/08	71174	08:27:40 - 08:36:46	gap at MM
30/11/08	71174	08:04:21 - 08:19:19	gap at JO
30/11/08	71175	10:07:58 - 10:19:04	gap at MM
30/11/08	71175	09:24:23 - 09:35:09	gap at WF
30/11/08	71176	11:57:24 - 12:10:38	gap at HO
30/11/08	71176	11:48:01 - 12:00:19	gap at MM
30/11/08	71176	11:03:05 - 11:17:28	gap at WF
30/11/08	71177	13:27:50 - 13:40:33	gap at MM
30/11/08	71177	12:42:42 - 12:56:08	gap at WF
30/11/08	71178	15:17:38 - 15:25:29	gap at HO
30/11/08	71178	15:07:24 - 15:20:04	gap at MM
30/11/08	71178	14:16:58 - 14:28:41	gap at KS
30/11/08	71179	15:43:23 - 15:52:33	gap at BE
30/11/08	71179	16:46:42 - 16:59:14	gap at MM
30/11/08	71180	18:25:50 - 18:38:25	gap at MM
30/11/08	71181	20:05:06 - 20:17:49	gap at MM
30/11/08	71181	19:08:33 - 19:15:54	gap at MA
30/11/08	71182	21:44:52 - 21:57:29	gap at MM
30/11/08	71182	20:42:54 - 20:56:36	gap at MA

30/11/08	71183	23:15:43 - 23:29:47	gap at HO
30/11/08	71183	23:25:30 - 23:37:25	gap at MM
30/11/08	71175	09:19:13 - 09:20:21	gap at KS
30/11/08	71176	10:58:49 - 10:59:59	gap at KS
30/11/08	71177	12:38:07 - 12:39:16	gap at KS
30/11/08	71178	14:16:58 - 14:18:11	gap at KS
30/11/08	71179	15:54:48 - 15:55:58	gap at KS
30/11/08	71180	17:32:42 - 17:33:55	gap at KS
30/11/08	71182	20:52:22 - 21:04:32	gap at KS
30/11/08	71183	22:33:09 - 22:34:17	gap at KS
30/11/08	71176	11:11:53 - 11:13:05	gap at MS
30/11/08	71177	12:51:59 - 12:53:06	gap at MS
30/11/08	71183	22:21:42 - 22:22:51	gap at MS
30/11/08	71172	03:53:18 - 03:55:01	gap at MI
30/11/08	71171	02:44:42 - 02:45:59	gap at BE
30/11/08	71172	04:24:50 - 04:26:21	gap at BE
30/11/08	71171	02:56:04 - 02:57:20	gap at SG

Lamp Failures:

Date	Lamp Failure	remark
25/11/08	Lamp Failure (no. 248) Orbit 71105	Lamp Failures set during TST44, voltage at ca. 176 V (nominal would be 198 V) 12:06:53 - 12:08:33

cooler switchings:

Date	Coolers off/on	Maximum detector warm up temperature [Kelvin]
15/11/08	before 10:26:13 (outside gs visibility) off 12:08:35 on	FPA 1: 275.9 FPA 2: 276.6 FPA 3: 276.2 FPA 4: 276.5

Timeline interruptions:

Date	Orbit No.	Duration	remark
14/11/08	70952 - 70953	19:32:53 - 21:03:16	GOME in Nadir Static View (see ER2- UNA 2008/038) due to PL synchronization
18/11/08	71008 - 71009	17:49:54 - 18:56:59	GOME in Nadir Static View (see ER2- UNA 2008/039) due to PL synchronization
20/11/08	71037	17:47:50 - 17:53:58	GOME in Nadir Static View (ESOC communication) Timeline stopped /activated



Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/11/08	70806 -70819	~14:30 (04/11/08) - ~12:00 (05/11/08)	Narrow Swath Timeline GMNNOT41 executed
14-15/11/08	70948 - 70961	~12:30 (14/11/08) - ~10:30 (15/11/08)	Narrow Swath Timeline GMNNOT41 executed
24-25/10/08	71092 - 71103	~14:00 (24/11/08) - ~08:00 (25/11/08)	Narrow Swath Timeline GMNNOT41 executed

Commanding Problems - Incorrect Timelines Execution: none

Others:

Date	Orbit No.	Duration	remark
07/11/08	70849	14:58:03	Corrupted products at MI anomalous values for most parameters
09/11/08	70872	05:01:51 - 05:08:05	anomalous long science dump at GS, no data processing possible
10/11/08	70884	01:10:39 - 01:15:24	anomalous long science dump at GS, no data processing possible
10/11/08	70888	08:41:13	Corrupted products at JO anomalous values for most parameters
25/11/08	71105	Start 11:56:56 Stop 11:58:56	GOOD Lamp cal measurements, no instability