

GOME Operations for April 2008

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

GOME Operations during April 2008

Date	Operations	remark
01/04/08	data available within visibility of groundstation	start of sun calibration: 19:57:35.941
02/04/08	GOME switch-off due to ATSR ICU Start: 07:52:53 Stop: 09:14:31 data available within visibility of groundstation	start of sun calibration: 19:25:49.534 TST44: solar calibration mode with warm detectors, however due to limited ground station visibility calibration data are not available
03/04/08	data available within visibility of groundstation	start of sun calibration: 18:54:04.031
04/04/08	data available within visibility of groundstation	start of sun calibration: 18:22:24.766
05/04/08	data available within visibility of groundstation	start of sun calibration: 17:50:39.287
06/04/08	data available within visibility of groundstation	start of sun calibration: 17:18:59.814
07/04/08	data available within visibility of groundstation	start of sun calibration: 16:47:14.346
08/04/08	data available within visibility of groundstation	start of sun calibration: 19:36:42.092
09/04/08	data available within visibility of groundstation	start of sun calibration: 19:05:02.622
10/04/08	data available within visibility of groundstation	start of sun calibration: 18:33:17.154
11/04/08	GOME switch-off Start: 13:55:59 Stop: 16:13:13 data available within visibility of groundstation	start of sun calibration: 18:01:35.540
12/04/08	data available within visibility of groundstation	start of sun calibration: 17:29:50.026
13/04/08	data available within visibility of groundstation	start of sun calibration: 16:58:10.524
14/04/08	data available within visibility of groundstation	start of sun calibration: 19:47:39.961
15/04/08	data available within visibility of groundstation	start of sun calibration: 19:15:54.461
16/04/08	SEU data available within visibility of groundstation	start of sun calibration: 18:44:14.979
17/04/08	SEU data available within visibility of groundstation	start of sun calibration: 18:12:31.996
18/04/08	data available within visibility of groundstation	start of sun calibration: 17:36:37
19/04/08	data available within visibility of groundstation	start of sun calibration: 17:05:40
20/04/08	data available within visibility of groundstation	start of sun calibration: 19:51:31

21/04/08	data available within visibility of groundstation	start of sun calibration: 19:20:08
22/04/08	data available within visibility of groundstation	start of sun calibration: 18:55:09.785
23/04/08	data available within visibility of groundstation	start of sun calibration: 18:23:24.298
24/04/08	data available within visibility of groundstation	start of sun calibration: 17:52:34
25/04/08	data available within visibility of groundstation	start of sun calibration: 17:20:02.460
26/04/08	data available within visibility of groundstation	start of sun calibration: 16:48:16.980
27/04/08	data available within visibility of groundstation	start of sun calibration: 19:37:50.721
28/04/08	quarterly calibration during Orbits 68090 – 68091 two orbits in Nadir Static View 68088, 68089 data available within visibility of groundstation	start of sun calibration: 19:06:05.246
29/04/08	quarterly calibration during Orbits 68091 – 68096 data available within visibility of groundstation	start of sun calibration: 18:34:25.816
30/04/08	data available within visibility of groundstation	start of sun calibration: 18:03:34

Anomalies:

single event upsets (SEU):

Date	Reason
16-17/04/08	GOME anomalous behavior during orbits 67915 – 67925, ~17:30 (16/04/08) – 13:21 (17/04/08) - GOME high channel 1 summation values this anomaly was cured with the operational time tag GMN11, switch off/on starting from orbit 67926 data are nominal again

list of datagaps:

Date	Orbit No.	duration	reason
01/04/08	67691	00:35:07 - 00:46:04	gap at MM
01/04/08	67692	01:43:12 - 01:53:46	gap at BE
01/04/08	67693	03:21:37 - 03:34:53	gap at BE
01/04/08	67696	09:04:57 - 09:14:53	gap at MM
01/04/08	67696	08:25:36 - 08:37:12	gap at MA
01/04/08	67697	10:45:09 - 10:56:48	gap at MM
01/04/08	67697	10:04:17 - 10:17:17	gap at MA
01/04/08	67698	12:25:07 - 12:37:39	gap at MM
01/04/08	67698	11:45:54 - 11:52:02	gap at MA
01/04/08	67698	11:48:38 - 12:01:57	gap at MS

01/04/08	67699	14:13:43 - 14:26:38	gap at HO
01/04/08	67699	14:04:51 - 14:17:35	gap at MM
01/04/08	67699	14:29:21 - 14:40:54	gap at SG
01/04/08	67700	14:38:27 - 14:51:30	gap at BE
01/04/08	67700	15:44:19 - 15:56:55	gap at MM
01/04/08	67700	15:11:26 - 15:23:29	gap at MI
01/04/08	67700	15:15:43 - 15:23:48	gap at CM
01/04/08	67701	17:23:32 - 17:36:03	gap at MM
01/04/08	67701	16:50:41 - 17:02:37	gap at MI
01/04/08	67701	16:53:07 - 17:05:05	gap at CM
01/04/08	67702	19:02:40 - 19:15:18	gap at MM
01/04/08	67703	20:42:04 - 20:54:48	gap at MM
01/04/08	67703	19:41:33 - 19:53:48	gap at MA
01/04/08	67704	22:15:19 - 22:26:43	gap at HO
01/04/08	67704	22:22:08 - 22:34:35	gap at MM
01/04/08	67704	21:20:18 - 21:33:30	gap at MA
01/04/08	67705	22:57:55 - 23:11:19	gap at MS
01/04/08	67698	11:35:45 - 11:36:47	gap at KS
01/04/08	67700	14:53:31 - 14:54:32	gap at KS
01/04/08	67701	16:31:09 - 16:32:10	gap at KS
01/04/08	67702	18:08:58 - 18:10:08	gap at KS
01/04/08	67697	10:11:18 - 10:17:17	gap at MS
01/04/08	67693	03:32:34 - 03:36:54	gap at SG
01/04/08	67693	04:29:10 - 04:31:24	gap at CM
02/04/08	67705	23:52:19 - 00:06:48	gap at HO
02/04/08	67705	00:03:09 - 00:14:35	gap at MM
02/04/08	67706	01:33:31 - 01:45:08	gap at HO
02/04/08	67706	01:45:14 - 01:54:49	gap at MM
02/04/08	67707	02:50:22 - 03:03:44	gap at BE
02/04/08	67707	03:28:11 - 03:35:25	gap at MM
02/04/08	67707	02:21:12 - 02:31:51	gap at MI
02/04/08	67707	03:57:48 - 04:10:11	gap at CM
02/04/08	67708	04:30:39 - 04:41:02	gap at BE
02/04/08	67708	05:11:05 - 05:16:52	gap at MM
02/04/08	67708	03:59:05 - 04:11:57	gap at MI
02/04/08	67709	06:52:44 - 06:59:37	gap at MM
02/04/08	67709	06:06:28 - 06:12:13	gap at KS
02/04/08	67709	05:42:08 - 05:44:49	gap at CM
02/04/08	67710	07:52:53 - 09:14:31	data gap due to instrument switch-off (see unavailability report ER2-UNA2008/013)
02/04/08	67711	09:33:01 - 09:46:39	gap at MA
02/04/08	67711	10:13:41 - 10:24:53	gap at MM
02/04/08	67712	11:13:43 - 11:22:45	gap at MA
02/04/08	67714	14:06:58 - 14:20:23	gap at BE
02/04/08	67714	15:23:29 - 15:30:49	gap at HO
02/04/08	67715	15:49:31 - 15:57:56	gap at BE
02/04/08	67715	16:19:01 - 16:32:11	gap at MI

02/04/08	67717	20:10:47 - 20:23:30	gap at MM
02/04/08	67717	19:13:16 - 19:21:17	gap at MA
02/04/08	67718	20:48:34 - 21:02:17	gap at MA
02/04/08	67718	21:12:03 - 21:19:06	gap at PS
02/04/08	67719	23:21:18 - 23:35:29	gap at HO
02/04/08	67719	22:32:49 - 22:39:50	gap at MA
02/04/08	67714	14:22:36 - 14:23:38	gap at KS
02/04/08	67716	17:38:18 - 17:39:20	gap at KS
02/04/08	67712	11:17:31 - 11:18:39	gap at MS
02/04/08	67713	12:57:51 - 12:58:51	gap at MS
02/04/08	67718	21:50:36 - 21:51:39	gap at MM
02/04/08	67710	08:33:24 - 08:42:38	gap at MM
02/04/08	67710	07:55:59 - 08:01:45	gap at MA
02/04/08	67710	07:52:23 - 07:57:00	gap at KS
03/04/08	67720	01:01:10 - 01:14:35	gap at HO
03/04/08	67721	02:19:21 - 02:32:03	gap at BE
03/04/08	67722	03:58:51 - 04:11:03	gap at BE
03/04/08	67723	05:11:27 - 05:16:34	gap at MI
03/04/08	67725	09:02:46 - 09:15:14	gap at MA
03/04/08	67726	10:41:16 - 10:52:54	gap at MA
03/04/08	67728	14:51:19 - 15:01:02	gap at HO
03/04/08	67729	15:16:24 - 15:27:51	gap at BE
03/04/08	67730	18:00:21 - 18:12:54	gap at MM
03/04/08	67730	17:31:01 - 17:40:32	gap at CM
03/04/08	67731	18:44:46 - 18:48:51	gap at MA
03/04/08	67732	21:19:09 - 21:31:50	gap at MM
03/04/08	67732	20:17:34 - 20:31:22	gap at MA
03/04/08	67733	21:58:48 - 22:09:54	gap at MA
03/04/08	67728	13:51:32 - 13:52:35	gap at KS
03/04/08	67729	15:29:40 - 15:30:53	gap at KS
03/04/08	67730	17:07:22 - 17:08:24	gap at KS
03/04/08	67726	10:46:51 - 10:48:02	gap at MS
03/04/08	67727	12:25:52 - 12:27:03	gap at MS
03/04/08	67729	15:47:46 - 15:51:01	gap at MI
03/04/08	67721	02:31:24 - 02:34:01	gap at SG
03/04/08	67722	04:09:57 - 04:11:06	gap at SG
03/04/08	67728	15:05:07 - 15:07:32	gap at SG
03/04/08	67729	15:58:08 - 16:02:31	gap at CM
04/04/08	67734	00:40:56 - 00:51:47	gap at MM
04/04/08	67735	01:48:43 - 01:59:44	gap at BE
04/04/08	67736	03:27:20 - 03:40:30	gap at BE
04/04/08	67739	09:10:41 - 09:20:44	gap at MM
04/04/08	67739	08:31:07 - 08:43:08	gap at MA
04/04/08	67740	10:09:59 - 10:22:53	gap at MA
04/04/08	67741	12:30:49 - 12:43:23	gap at MM
04/04/08	67741	11:51:59 - 11:57:05	gap at MA
04/04/08	67742	14:19:29 - 14:32:10	gap at HO
04/04/08	67743	14:44:14 - 14:57:07	gap at BE

04/04/08	67743	15:49:59 - 16:02:35	gap at MM
04/04/08	67745	19:08:20 - 19:20:59	gap at MM
04/04/08	67746	19:47:03 - 19:59:41	gap at MA
04/04/08	67747	22:27:52 - 22:40:17	gap at MM
04/04/08	67747	21:26:04 - 21:39:12	gap at MA
04/04/08	67741	11:41:26 - 11:42:28	gap at KS
04/04/08	67743	14:59:05 - 15:00:11	gap at KS
04/04/08	67744	16:36:42 - 16:37:46	gap at KS
04/04/08	67740	10:16:43 - 10:17:48	gap at MS
04/04/08	67741	11:54:16 - 11:55:25	gap at MS
04/04/08	67735	02:02:34 - 02:06:36	gap at SG
04/04/08	67736	03:38:16 - 03:43:11	gap at SG
04/04/08	67742	14:34:46 - 14:36:45	gap at SG
04/04/08	67743	15:21:00 - 15:24:02	gap at CM
05/04/08	67749	01:51:06 - 02:00:33	gap at MM
05/04/08	67750	02:56:02 - 03:09:26	gap at BE
05/04/08	67751	04:36:28 - 04:46:25	gap at BE
05/04/08	67753	08:39:09 - 08:48:30	gap at MM
05/04/08	67753	08:01:42 - 08:10:09	gap at MA
05/04/08	67754	09:38:41 - 09:52:21	gap at MA
05/04/08	67755	11:59:26 - 12:11:49	gap at MM
05/04/08	67755	11:19:35 - 11:28:08	gap at MA
05/04/08	67757	14:12:39 - 14:26:04	gap at BE
05/04/08	67757	15:18:46 - 15:31:25	gap at MM
05/04/08	67758	15:55:42 - 16:03:16	gap at BE
05/04/08	67758	16:27:25 - 16:39:50	gap at CM
05/04/08	67760	19:19:03 - 19:27:39	gap at MA
05/04/08	67761	20:54:15 - 21:07:57	gap at MA
05/04/08	67762	22:39:11 - 22:45:05	gap at MA
05/04/08	67757	14:28:14 - 14:29:17	gap at KS
05/04/08	67758	16:05:58 - 16:06:59	gap at KS
05/04/08	67759	17:43:53 - 17:44:57	gap at KS
05/04/08	67755	11:23:09 - 11:24:15	gap at MS
05/04/08	67756	13:03:45 - 13:04:52	gap at MS
05/04/08	67751	04:04:52 - 04:06:26	gap at MI
05/04/08	67751	04:13:47 - 04:17:32	gap at MI
05/04/08	67750	03:14:39 - 03:20:50	gap at SG
05/04/08	67757	15:41:52 - 15:43:01	gap at SG
06/04/08	67763	01:06:59 - 01:20:11	gap at HO
06/04/08	67764	02:24:58 - 02:37:52	gap at BE
06/04/08	67764	03:32:40 - 03:44:24	gap at CM
06/04/08	67765	04:04:36 - 04:16:33	gap at BE
06/04/08	67765	05:13:22 - 05:22:18	gap at CM
06/04/08	67768	09:07:51 - 09:20:22	gap at MA
06/04/08	67769	10:47:02 - 10:58:23	gap at MA
06/04/08	67771	14:57:09 - 15:06:27	gap at HO
06/04/08	67771	15:10:43 - 15:24:27	gap at SG
06/04/08	67772	15:22:20 - 15:33:23	gap at BE

06/04/08	67772	15:56:31 - 16:08:20	gap at CM
06/04/08	67773	17:36:57 - 17:45:51	gap at CM
06/04/08	67774	18:50:20 - 18:54:34	gap at MA
06/04/08	67775	20:23:10 - 20:36:57	gap at MA
06/04/08	67776	22:56:27 - 23:09:45	gap at HO
06/04/08	67776	22:05:21 - 22:15:25	gap at MA
06/04/08	67771	13:57:12 - 13:58:16	gap at KS
06/04/08	67772	15:35:15 - 15:36:26	gap at KS
06/04/08	67773	17:13:03 - 17:14:07	gap at KS
06/04/08	67769	10:52:20 - 10:53:21	gap at MS
06/04/08	67770	12:31:36 - 12:32:44	gap at MS
06/04/08	67773	18:06:01 - 18:07:22	gap at MM
06/04/08	67771	15:23:11 - 15:24:27	gap at SG
07/04/08	67777	00:34:57 - 00:49:22	gap at HO
07/04/08	67778	01:54:15 - 02:05:40	gap at BE
07/04/08	67779	03:33:02 - 03:46:05	gap at BE
07/04/08	67779	03:02:18 - 03:15:18	gap at MI
07/04/08	67779	03:02:46 - 03:12:16	gap at CM
07/04/08	67779	04:40:45 - 04:52:20	gap at CM
07/04/08	67780	04:43:19 - 04:53:13	gap at MI
07/04/08	67782	08:36:49 - 08:49:02	gap at MA
07/04/08	67783	10:15:42 - 10:28:11	gap at MA
07/04/08	67786	14:50:02 - 15:02:44	gap at BE
07/04/08	67786	15:22:32 - 15:35:10	gap at MI
07/04/08	67787	17:02:20 - 17:13:29	gap at MI
07/04/08	67787	17:04:40 - 17:16:08	gap at CM
07/04/08	67788	19:14:01 - 19:26:40	gap at MM
07/04/08	67789	20:53:28 - 21:06:12	gap at MM
07/04/08	67789	19:52:34 - 20:05:33	gap at MA
07/04/08	67790	21:31:52 - 21:44:50	gap at MA
07/04/08	67783	10:07:37 - 10:08:37	gap at KS
07/04/08	67784	11:47:06 - 11:48:11	gap at KS
07/04/08	67786	15:04:40 - 15:05:51	gap at KS
07/04/08	67787	16:42:16 - 16:43:20	gap at KS
07/04/08	67788	18:20:12 - 18:21:17	gap at KS
07/04/08	67778	01:29:07 - 01:30:14	gap at GS
07/04/08	67783	10:22:09 - 10:23:16	gap at MS
07/04/08	67784	12:00:02 - 12:01:06	gap at MS
07/04/08	67787	17:34:52 - 17:36:05	gap at MM
07/04/08	67779	03:43:59 - 03:46:50	gap at SG
07/04/08	67785	14:40:14 - 14:42:58	gap at SG
07/04/08	67786	15:26:21 - 15:29:55	gap at CM
08/04/08	67793	03:01:42 - 03:15:07	gap at BE
08/04/08	67793	02:32:00 - 02:43:32	gap at MI
08/04/08	67793	03:12:48 - 03:26:33	gap at SG
08/04/08	67793	02:34:54 - 02:38:21	gap at CM
08/04/08	67793	04:09:07 - 04:21:32	gap at CM
08/04/08	67794	04:42:19 - 04:51:45	gap at BE

08/04/08	67794	04:10:42 - 04:23:06	gap at MI
08/04/08	67796	08:06:33 - 08:16:14	gap at MA
08/04/08	67797	09:44:21 - 09:58:02	gap at MA
08/04/08	67798	11:25:28 - 11:33:40	gap at MA
08/04/08	67800	14:18:21 - 14:31:44	gap at BE
08/04/08	67800	14:52:15 - 15:02:44	gap at MI
08/04/08	67800	14:58:35 - 15:01:02	gap at CM
08/04/08	67801	16:02:00 - 16:08:31	gap at BE
08/04/08	67801	16:30:29 - 16:43:20	gap at MI
08/04/08	67801	16:33:06 - 16:45:30	gap at CM
08/04/08	67803	20:22:09 - 20:34:53	gap at MM
08/04/08	67803	19:24:22 - 19:33:29	gap at MA
08/04/08	67804	21:00:04 - 21:13:37	gap at MA
08/04/08	67805	23:42:51 - 23:54:34	gap at MM
08/04/08	67805	22:45:40 - 22:50:12	gap at MA
08/04/08	67798	11:15:52 - 11:16:52	gap at KS
08/04/08	67800	14:33:51 - 14:34:55	gap at KS
08/04/08	67801	16:11:32 - 16:12:36	gap at KS
08/04/08	67802	17:49:27 - 17:50:39	gap at KS
08/04/08	67798	11:28:48 - 11:29:57	gap at MS
08/04/08	67799	13:09:38 - 13:10:42	gap at MS
08/04/08	67800	15:47:36 - 15:48:49	gap at SG
09/04/08	67807	02:30:36 - 02:43:38	gap at BE
09/04/08	67807	02:02:41 - 02:11:05	gap at MI
09/04/08	67807	03:38:13 - 03:50:10	gap at CM
09/04/08	67808	04:10:23 - 04:22:02	gap at BE
09/04/08	67808	03:38:58 - 03:52:17	gap at MI
09/04/08	67809	05:19:28 - 05:27:36	gap at CM
09/04/08	67811	09:13:33 - 09:26:20	gap at MA
09/04/08	67812	10:52:48 - 11:03:51	gap at MA
09/04/08	67814	14:23:33 - 14:28:32	gap at MI
09/04/08	67814	15:16:20 - 15:30:09	gap at SG
09/04/08	67815	15:28:18 - 15:38:54	gap at BE
09/04/08	67815	16:32:32 - 16:45:04	gap at MM
09/04/08	67815	15:59:05 - 16:12:28	gap at MI
09/04/08	67815	16:58:57 - 17:05:41	gap at SG
09/04/08	67815	16:02:05 - 16:14:07	gap at CM
09/04/08	67816	17:41:07 - 17:47:37	gap at MI
09/04/08	67816	17:42:57 - 17:51:05	gap at CM
09/04/08	67817	18:55:53 - 19:00:17	gap at MA
09/04/08	67818	20:28:47 - 20:42:32	gap at MA
09/04/08	67819	23:11:04 - 23:23:07	gap at MM
09/04/08	67819	22:11:22 - 22:20:55	gap at MA
09/04/08	67812	10:44:36 - 10:45:38	gap at KS
09/04/08	67813	12:23:58 - 12:24:58	gap at KS
09/04/08	67814	14:02:51 - 14:03:56	gap at KS
09/04/08	67815	15:40:50 - 15:42:07	gap at KS
09/04/08	67816	17:18:41 - 17:19:45	gap at KS

09/04/08	67812	10:57:45 - 10:58:53	gap at MS
09/04/08	67813	12:37:22 - 12:38:22	gap at MS
09/04/08	67816	18:11:41 - 18:12:57	gap at MM
09/04/08	67818	21:30:34 - 21:31:38	gap at MM
09/04/08	67807	02:42:17 - 02:44:13	gap at SG
10/04/08	67820	00:40:48 - 00:54:59	gap at HO
10/04/08	67820	00:03:26 - 00:08:35	gap at KS
10/04/08	67821	01:59:48 - 02:11:35	gap at BE
10/04/08	67822	03:38:46 - 03:51:40	gap at BE
10/04/08	67822	03:07:53 - 03:21:02	gap at MI
10/04/08	67822	03:08:07 - 03:18:10	gap at CM
10/04/08	67822	04:46:36 - 04:57:51	gap at CM
10/04/08	67823	04:49:23 - 04:58:34	gap at MI
10/04/08	67825	08:42:36 - 08:54:54	gap at MA
10/04/08	67828	14:21:55 - 14:34:38	gap at MM
10/04/08	67829	14:55:51 - 15:08:21	gap at BE
10/04/08	67829	15:28:07 - 15:40:58	gap at MI
10/04/08	67829	15:31:46 - 15:41:55	gap at CM
10/04/08	67830	17:08:12 - 17:18:52	gap at MI
10/04/08	67830	17:10:28 - 17:21:37	gap at CM
10/04/08	67827	11:52:47 - 11:53:52	gap at KS
10/04/08	67829	15:10:13 - 15:11:30	gap at KS
10/04/08	67830	16:47:50 - 16:49:00	gap at KS
10/04/08	67831	18:25:49 - 18:26:51	gap at KS
10/04/08	67826	10:27:38 - 10:28:47	gap at MS
10/04/08	67832	19:58:05 - 19:59:11	gap at MA
10/04/08	67833	21:37:41 - 21:38:42	gap at MA
10/04/08	67830	17:40:31 - 17:41:39	gap at MM
10/04/08	67822	03:49:43 - 03:50:52	gap at SG
10/04/08	67828	14:45:43 - 14:48:51	gap at SG
11/04/08	67834	00:09:13 - 00:23:50	gap at HO
11/04/08	67835	01:52:05 - 02:01:33	gap at HO
11/04/08	67836	03:07:23 - 03:20:47	gap at BE
11/04/08	67836	02:37:27 - 02:49:21	gap at MI
11/04/08	67836	02:39:34 - 02:44:54	gap at CM
11/04/08	67836	04:14:49 - 04:27:11	gap at CM
11/04/08	67837	04:48:11 - 04:57:04	gap at BE
11/04/08	67837	04:16:33 - 04:28:38	gap at MI
11/04/08	67840	10:30:51 - 10:42:18	gap at MM
11/04/08	67843	13:55:59 - 16:13:13	data gap due to instrument unpowered (FPA1 temperatures out of range) (see unavailability report ER2-UNA2008/015)
11/04/08	67844	16:36:14 - 16:48:52	gap at MI
11/04/08	67844	16:38:48 - 16:51:07	gap at CM
11/04/08	67845	18:48:30 - 19:01:07	gap at MM
11/04/08	67848	23:48:39 - 00:00:17	gap at MM
11/04/08	67840	09:42:00 - 09:43:00	gap at KS
11/04/08	67841	11:21:33 - 11:22:38	gap at KS

11/04/08	67844	16:17:09 - 16:18:13	gap at KS
11/04/08	67845	17:55:00 - 17:56:20	gap at KS
11/04/08	67844	16:30:58 - 16:43:49	gap at GS
11/04/08	67841	11:34:30 - 11:35:39	gap at MS
11/04/08	67842	13:15:33 - 13:16:35	gap at MS
11/04/08	67846	19:27:53 - 19:28:58	gap at MA
11/04/08	67847	21:05:56 - 21:07:03	gap at MA
11/04/08	67836	03:24:17 - 03:32:16	gap at SG
11/04/08	67837	05:01:03 - 05:06:05	gap at SG
11/04/08	67842	13:50:37 - 14:03:21	gap at MM
11/04/08	67843	14:24:04 - 14:37:23	gap at BE
11/04/08	67843	15:30:07 - 15:42:45	gap at MM
11/04/08	67843	14:57:42 - 15:08:43	gap at MI
11/04/08	67843	14:39:28 - 14:51:02	gap at KS
11/04/08	67843	14:51:10 - 15:03:36	gap at GS
11/04/08	67843	15:03:02 - 15:08:00	gap at CM
11/04/08	67843	15:53:22 - 15:57:43	gap at SG
12/04/08	67848	23:48:39 - 00:00:17	gap at MM
12/04/08	67849	00:35:33 - 00:42:46	gap at GS
12/04/08	67850	02:36:14 - 02:49:24	gap at BE
12/04/08	67850	02:07:55 - 02:17:04	gap at MI
12/04/08	67850	03:43:47 - 03:55:54	gap at CM
12/04/08	67851	04:16:09 - 04:27:29	gap at BE
12/04/08	67851	03:44:41 - 03:57:55	gap at MI
12/04/08	67852	05:52:41 - 05:56:43	gap at KS
12/04/08	67852	05:25:39 - 05:32:48	gap at CM
12/04/08	67857	14:28:29 - 14:35:04	gap at MI
12/04/08	67857	15:21:58 - 15:35:51	gap at SG
12/04/08	67858	15:34:18 - 15:44:23	gap at BE
12/04/08	67858	16:38:12 - 16:50:44	gap at MM
12/04/08	67858	16:04:46 - 16:18:08	gap at MI
12/04/08	67858	16:07:41 - 16:19:53	gap at CM
12/04/08	67859	17:47:23 - 17:52:32	gap at MI
12/04/08	67859	17:49:02 - 17:56:15	gap at CM
12/04/08	67860	19:00:51 - 19:05:59	gap at MA
12/04/08	67861	20:34:25 - 20:48:06	gap at MA
12/04/08	67855	10:50:17 - 10:51:20	gap at KS
12/04/08	67856	12:29:38 - 12:30:39	gap at KS
12/04/08	67857	14:08:31 - 14:09:36	gap at KS
12/04/08	67858	15:46:25 - 15:47:29	gap at KS
12/04/08	67859	17:24:18 - 17:25:24	gap at KS
12/04/08	67855	11:03:28 - 11:04:34	gap at MS
12/04/08	67856	12:43:10 - 12:44:18	gap at MS
12/04/08	67859	18:17:20 - 18:18:36	gap at MM
12/04/08	67861	21:36:17 - 21:37:29	gap at MM
12/04/08	67859	18:17:20 - 18:18:26	gap at MM
12/04/08	67861	21:36:17 - 21:37:23	gap at MM
12/04/08	67851	04:27:34 - 04:37:11	gap at SG

12/04/08	67850	02:47:47 - 02:48:53	gap at SG
12/04/08	67851	04:27:34 - 04:36:51	gap at SG
13/04/08	67863	00:09:39 - 00:14:06	gap at KS
13/04/08	67864	02:05:22 - 02:17:27	gap at BE
13/04/08	67865	03:44:30 - 03:57:14	gap at BE
13/04/08	67865	03:13:29 - 03:26:45	gap at MI
13/04/08	67865	03:13:31 - 03:24:03	gap at CM
13/04/08	67865	04:52:28 - 05:03:21	gap at CM
13/04/08	67866	04:55:32 - 05:03:52	gap at MI
13/04/08	67866	05:01:12 - 05:15:05	gap at PS
13/04/08	67869	11:08:01 - 11:19:57	gap at MM
13/04/08	67870	12:47:56 - 13:00:34	gap at MM
13/04/08	67871	14:27:37 - 14:40:19	gap at MM
13/04/08	67872	15:01:41 - 15:13:56	gap at BE
13/04/08	67872	16:07:01 - 16:19:35	gap at MM
13/04/08	67872	15:33:42 - 15:46:45	gap at MI
13/04/08	67872	15:37:12 - 15:47:51	gap at CM
13/04/08	67873	17:46:11 - 17:58:43	gap at MM
13/04/08	67873	17:14:05 - 17:24:13	gap at MI
13/04/08	67873	17:16:18 - 17:27:04	gap at CM
13/04/08	67874	19:25:21 - 19:38:01	gap at MM
13/04/08	67875	21:04:52 - 21:17:35	gap at MM
13/04/08	67868	08:39:22 - 08:40:22	gap at KS
13/04/08	67869	10:19:00 - 10:20:02	gap at KS
13/04/08	67870	11:58:27 - 11:59:32	gap at KS
13/04/08	67871	13:37:27 - 13:38:28	gap at KS
13/04/08	67872	15:15:45 - 15:17:08	gap at KS
13/04/08	67873	16:53:24 - 16:54:34	gap at KS
13/04/08	67874	18:31:27 - 18:32:30	gap at KS
13/04/08	67869	10:33:07 - 10:34:17	gap at MS
13/04/08	67870	12:11:30 - 12:12:40	gap at MS
13/04/08	67875	20:03:38 - 20:04:46	gap at MA
13/04/08	67864	02:22:59 - 02:28:05	gap at SG
13/04/08	67865	04:02:31 - 04:08:51	gap at SG
14/04/08	67878	01:58:12 - 02:06:52	gap at HO
14/04/08	67879	03:13:04 - 03:26:26	gap at BE
14/04/08	67879	02:42:56 - 02:55:09	gap at MI
14/04/08	67879	02:44:32 - 02:51:09	gap at CM
14/04/08	67879	04:20:32 - 04:32:48	gap at CM
14/04/08	67880	04:54:04 - 05:02:21	gap at BE
14/04/08	67880	04:22:26 - 04:34:09	gap at MI
14/04/08	67884	11:37:06 - 11:44:17	gap at MA
14/04/08	67886	14:29:48 - 14:43:02	gap at BE
14/04/08	67886	15:35:48 - 15:48:25	gap at MM
14/04/08	67886	15:03:10 - 15:14:39	gap at MI
14/04/08	67886	15:07:58 - 15:14:27	gap at CM
14/04/08	67887	17:15:02 - 17:27:33	gap at MM
14/04/08	67887	16:42:00 - 16:54:23	gap at MI

14/04/08	67887	16:44:31 - 16:56:43	gap at CM
14/04/08	67888	18:54:10 - 19:06:47	gap at MM
14/04/08	67889	19:33:20 - 19:45:07	gap at MA
14/04/08	67882	08:08:04 - 08:09:05	gap at KS
14/04/08	67883	09:47:41 - 09:48:43	gap at KS
14/04/08	67884	11:27:14 - 11:28:20	gap at KS
14/04/08	67885	13:06:24 - 13:07:25	gap at KS
14/04/08	67886	14:45:06 - 14:46:10	gap at KS
14/04/08	67887	16:22:45 - 16:23:50	gap at KS
14/04/08	67888	18:00:34 - 18:01:57	gap at KS
14/04/08	67884	11:40:10 - 11:41:18	gap at MS
14/04/08	67885	13:21:33 - 13:22:38	gap at MS
14/04/08	67890	21:11:40 - 21:12:49	gap at MA
14/04/08	67889	20:33:32 - 20:43:16	gap at MM
14/04/08	67879	03:24:04 - 03:25:50	gap at SG
14/04/08	67879	03:32:20 - 03:37:57	gap at SG
14/04/08	67886	15:59:08 - 16:00:26	gap at SG
15/04/08	67892	01:36:27 - 01:46:13	gap at MM
15/04/08	67893	02:41:53 - 02:55:09	gap at BE
15/04/08	67893	02:13:12 - 02:23:00	gap at MI
15/04/08	67893	03:49:22 - 04:01:38	gap at CM
15/04/08	67894	04:21:57 - 04:32:55	gap at BE
15/04/08	67894	03:50:25 - 04:03:33	gap at MI
15/04/08	67895	05:58:10 - 06:02:58	gap at KS
15/04/08	67895	05:31:59 - 05:37:52	gap at CM
15/04/08	67900	13:58:29 - 14:11:52	gap at BE
15/04/08	67900	15:14:42 - 15:22:49	gap at HO
15/04/08	67900	14:33:37 - 14:41:23	gap at MI
15/04/08	67901	15:40:21 - 15:49:50	gap at BE
15/04/08	67901	16:10:27 - 16:23:46	gap at MI
15/04/08	67901	16:13:18 - 16:25:37	gap at CM
15/04/08	67902	18:23:00 - 18:35:35	gap at MM
15/04/08	67902	17:53:58 - 17:57:06	gap at MI
15/04/08	67902	17:55:12 - 18:01:18	gap at CM
15/04/08	67903	19:05:58 - 19:12:57	gap at MA
15/04/08	67904	21:42:00 - 21:54:38	gap at MM
15/04/08	67898	10:55:58 - 10:57:01	gap at KS
15/04/08	67899	12:35:18 - 12:36:19	gap at KS
15/04/08	67900	14:14:09 - 14:15:15	gap at KS
15/04/08	67901	15:52:00 - 15:53:03	gap at KS
15/04/08	67902	17:29:55 - 17:31:01	gap at KS
15/04/08	67898	11:09:05 - 11:10:15	gap at MS
15/04/08	67899	12:49:04 - 12:50:08	gap at MS
15/04/08	67904	20:40:04 - 20:41:44	gap at MA
15/04/08	67894	04:33:31 - 04:34:34	gap at SG
15/04/08	67900	15:27:38 - 15:33:27	gap at SG
16/04/08	67906	00:15:56 - 00:19:32	gap at KS
16/04/08	67907	02:10:57 - 02:23:19	gap at BE

16/04/08	67907	01:45:14 - 01:49:23	gap at MI
16/04/08	67908	03:50:14 - 04:02:46	gap at BE
16/04/08	67908	03:19:06 - 03:32:27	gap at MI
16/04/08	67908	03:18:57 - 03:29:54	gap at CM
16/04/08	67909	05:01:47 - 05:09:04	gap at MI
16/04/08	67911	08:54:11 - 09:06:36	gap at MA
16/04/08	67915	15:07:33 - 15:19:31	gap at BE
16/04/08	67915	15:39:19 - 15:52:30	gap at MI
16/04/08	67916	17:20:00 - 17:29:32	gap at MI
16/04/08	67916	17:22:10 - 17:32:29	gap at CM
16/04/08	67917	19:31:02 - 19:43:42	gap at MM
16/04/08	67912	10:24:41 - 10:25:43	gap at KS
16/04/08	67913	12:04:08 - 12:05:09	gap at KS
16/04/08	67914	13:43:05 - 13:44:08	gap at KS
16/04/08	67915	15:21:17 - 15:22:42	gap at KS
16/04/08	67916	16:58:59 - 17:00:08	gap at KS
16/04/08	67917	18:37:05 - 18:38:05	gap at KS
16/04/08	67912	10:38:37 - 10:39:48	gap at MS
16/04/08	67913	12:17:16 - 12:18:27	gap at MS
16/04/08	67912	10:32:42 - 10:33:55	gap at MA
16/04/08	67918	20:09:12 - 20:10:30	gap at MA
16/04/08	67916	17:51:51 - 17:53:07	gap at MM
16/04/08	67908	04:01:15 - 04:02:33	gap at SG
17/04/08	67921	02:04:47 - 02:12:07	gap at HO
17/04/08	67922	03:18:46 - 03:32:04	gap at BE
17/04/08	67922	02:48:26 - 03:00:56	gap at MI
17/04/08	67923	05:40:16 - 05:46:06	gap at MM
17/04/08	67923	04:28:21 - 04:39:38	gap at MI
17/04/08	67924	07:21:33 - 07:29:05	gap at MM
17/04/08	67925	09:02:05 - 09:11:57	gap at MM
17/04/08	67926	10:42:17 - 10:53:54	gap at MM
17/04/08	67927	12:22:16 - 12:34:47	gap at MM
17/04/08	67927	11:42:55 - 11:49:28	gap at MA
17/04/08	67928	12:57:21 - 13:08:49	gap at BE
17/04/08	67928	14:02:00 - 14:14:44	gap at MM
17/04/08	67928	14:26:40 - 14:37:56	gap at SG
17/04/08	67929	14:35:34 - 14:48:41	gap at BE
17/04/08	67929	15:41:29 - 15:54:05	gap at MM
17/04/08	67929	15:08:40 - 15:20:33	gap at MI
17/04/08	67930	17:20:42 - 17:33:13	gap at MM
17/04/08	67930	16:47:48 - 16:59:53	gap at MI
17/04/08	67931	18:59:50 - 19:12:28	gap at MM
17/04/08	67932	20:39:14 - 20:51:58	gap at MM
17/04/08	67932	19:38:48 - 19:50:55	gap at MA
17/04/08	67933	22:12:38 - 22:23:50	gap at HO
17/04/08	67933	22:19:16 - 22:31:43	gap at MM
17/04/08	67934	23:49:30 - 00:03:57	gap at HO
17/04/08	67926	09:53:23 - 09:54:24	gap at KS

17/04/08	67927	11:32:55 - 11:34:01	gap at KS
17/04/08	67928	13:12:03 - 13:13:04	gap at KS
17/04/08	67929	14:50:43 - 14:51:48	gap at KS
17/04/08	67930	16:28:22 - 16:29:28	gap at KS
17/04/08	67931	18:06:09 - 18:07:28	gap at KS
17/04/08	67926	10:08:38 - 10:09:42	gap at MS
17/04/08	67927	11:45:49 - 11:46:56	gap at MS
17/04/08	67933	21:17:25 - 21:18:33	gap at MA
17/04/08	67922	03:29:44 - 03:31:43	gap at SG
17/04/08	67922	03:41:00 - 03:43:37	gap at SG
17/04/08	67928	14:26:40 - 14:27:44	gap at SG
18/04/08	67934	23:49:30 - 00:03:57	gap at HO
18/04/08	67934	00:00:14 - 00:11:43	gap at MM
18/04/08	67935	01:30:34 - 01:42:23	gap at HO
18/04/08	67935	01:42:18 - 01:51:57	gap at MM
18/04/08	67936	02:47:32 - 03:00:53	gap at BE
18/04/08	67936	03:25:14 - 03:32:32	gap at MM
18/04/08	67936	02:18:31 - 02:28:54	gap at MI
18/04/08	67937	04:27:45 - 04:38:20	gap at BE
18/04/08	67937	05:08:09 - 05:13:56	gap at MM
18/04/08	67937	03:56:11 - 04:09:09	gap at MI
18/04/08	67938	06:49:50 - 06:56:40	gap at MM
18/04/08	67938	06:03:42 - 06:09:09	gap at KS
18/04/08	67939	08:30:32 - 08:39:42	gap at MM
18/04/08	67939	07:52:55 - 07:59:48	gap at MA
18/04/08	67940	10:10:49 - 10:21:59	gap at MM
18/04/08	67941	12:00:13 - 12:13:34	gap at HO
18/04/08	67941	11:50:52 - 12:03:11	gap at MM
18/04/08	67942	13:39:14 - 13:53:43	gap at HO
18/04/08	67943	14:04:08 - 14:17:33	gap at BE
18/04/08	67943	14:38:51 - 14:47:34	gap at MI
18/04/08	67944	15:46:27 - 15:55:15	gap at BE
18/04/08	67944	16:49:32 - 17:02:04	gap at MM
18/04/08	67944	16:16:10 - 16:29:23	gap at MI
18/04/08	67947	21:47:44 - 22:00:21	gap at MM
18/04/08	67947	20:45:44 - 20:59:26	gap at MA
18/04/08	67948	22:29:42 - 22:37:10	gap at MA
18/04/08	67940	09:22:04 - 09:23:05	gap at KS
18/04/08	67941	11:01:39 - 11:02:42	gap at KS
18/04/08	67942	12:40:57 - 12:41:59	gap at KS
18/04/08	67943	14:19:47 - 14:20:54	gap at KS
18/04/08	67944	15:57:35 - 15:58:39	gap at KS
18/04/08	67945	17:35:30 - 17:36:37	gap at KS
18/04/08	67948	22:36:07 - 22:37:12	gap at KS
18/04/08	67941	11:14:42 - 11:15:50	gap at MS
18/04/08	67942	12:54:54 - 12:56:01	gap at MS
18/04/08	67940	09:30:11 - 09:32:16	gap at MA
18/04/08	67941	11:10:48 - 11:12:23	gap at MA

18/04/08	67946	19:11:09 - 19:12:17	gap at MA
18/04/08	67945	18:28:40 - 18:29:43	gap at MM
18/04/08	67943	15:33:19 - 15:34:29	gap at SG
19/04/08	67949	01:10:07 - 01:20:25	gap at MM
19/04/08	67949	00:22:22 - 00:24:51	gap at KS
19/04/08	67950	02:16:33 - 02:29:09	gap at BE
19/04/08	67950	01:50:00 - 01:55:47	gap at MI
19/04/08	67951	03:55:58 - 04:08:18	gap at BE
19/04/08	67951	03:24:45 - 03:38:08	gap at MI
19/04/08	67952	05:08:10 - 05:14:07	gap at MI
19/04/08	67954	08:59:58 - 09:12:24	gap at MA
19/04/08	67957	14:48:25 - 14:58:21	gap at HO
19/04/08	67957	15:02:19 - 15:15:51	gap at SG
19/04/08	67958	15:13:27 - 15:25:05	gap at BE
19/04/08	67958	15:44:57 - 15:58:14	gap at MI
19/04/08	67958	15:48:12 - 15:59:36	gap at CM
19/04/08	67959	17:25:57 - 17:34:48	gap at MI
19/04/08	67961	20:14:47 - 20:28:33	gap at MA
19/04/08	67954	08:50:45 - 08:51:46	gap at KS
19/04/08	67955	10:30:22 - 10:31:25	gap at KS
19/04/08	67956	12:09:48 - 12:10:51	gap at KS
19/04/08	67957	13:48:43 - 13:49:50	gap at KS
19/04/08	67958	15:26:52 - 15:28:07	gap at KS
19/04/08	67959	17:04:34 - 17:05:40	gap at KS
19/04/08	67963	23:48:06 - 23:49:18	gap at KS
19/04/08	67955	10:44:06 - 10:45:22	gap at MS
19/04/08	67956	12:23:00 - 12:24:48	gap at MS
19/04/08	67959	17:57:31 - 17:58:52	gap at MM
19/04/08	67950	02:33:30 - 02:40:03	gap at SG
19/04/08	67951	04:10:20 - 04:19:55	gap at SG
19/04/08	67957	15:02:19 - 15:08:42	gap at SG
20/04/08	67964	01:45:58 - 01:56:45	gap at BE
20/04/08	67965	03:24:28 - 03:37:42	gap at BE
20/04/08	67965	02:53:58 - 03:06:41	gap at MI
20/04/08	67965	02:54:50 - 03:03:19	gap at CM
20/04/08	67965	04:32:03 - 04:44:00	gap at CM
20/04/08	67966	04:34:18 - 04:45:06	gap at MI
20/04/08	67970	11:48:56 - 11:54:34	gap at MA
20/04/08	67971	14:16:36 - 14:29:24	gap at HO
20/04/08	67971	14:32:04 - 14:43:51	gap at SG
20/04/08	67972	14:41:20 - 14:54:19	gap at BE
20/04/08	67972	15:14:12 - 15:26:25	gap at MI
20/04/08	67972	15:18:21 - 15:26:52	gap at CM
20/04/08	67973	16:53:36 - 17:05:21	gap at MI
20/04/08	67973	16:56:00 - 17:07:51	gap at CM
20/04/08	67975	19:44:18 - 19:56:44	gap at MA
20/04/08	67976	22:18:01 - 22:29:37	gap at HO
20/04/08	67976	22:25:00 - 22:37:26	gap at MM

20/04/08	67977	23:55:08 - 00:09:38	gap at HO
20/04/08	67968	08:19:27 - 08:20:27	gap at KS
20/04/08	67969	09:59:04 - 10:00:07	gap at KS
20/04/08	67970	11:38:35 - 11:39:42	gap at KS
20/04/08	67971	13:17:42 - 13:18:44	gap at KS
20/04/08	67972	14:56:18 - 14:57:26	gap at KS
20/04/08	67973	16:33:55 - 16:35:03	gap at KS
20/04/08	67974	18:11:46 - 18:13:02	gap at KS
20/04/08	67977	23:14:51 - 23:16:05	gap at KS
20/04/08	67964	01:20:57 - 01:22:10	gap at GS
20/04/08	67965	02:58:24 - 02:59:45	gap at GS
20/04/08	67969	10:14:00 - 10:15:07	gap at MS
20/04/08	67970	11:51:27 - 11:52:37	gap at MS
20/04/08	67976	21:23:11 - 21:24:23	gap at MA
20/04/08	67973	17:26:22 - 17:27:33	gap at MM
20/04/08	67965	03:35:25 - 03:36:33	gap at SG
20/04/08	67971	14:32:04 - 14:33:44	gap at SG
21/04/08	67978	01:48:10 - 01:57:41	gap at MM
21/04/08	67979	02:53:12 - 03:06:35	gap at BE
21/04/08	67979	02:23:53 - 02:34:47	gap at MI
21/04/08	67979	04:00:37 - 04:13:02	gap at CM
21/04/08	67980	04:33:34 - 04:43:43	gap at BE
21/04/08	67980	04:01:58 - 04:14:45	gap at MI
21/04/08	67982	07:59:07 - 08:07:05	gap at MA
21/04/08	67986	14:09:49 - 14:23:14	gap at BE
21/04/08	67986	14:44:10 - 14:53:41	gap at MI
21/04/08	67987	15:52:36 - 16:00:37	gap at BE
21/04/08	67987	16:21:53 - 16:34:59	gap at MI
21/04/08	67990	21:48:52 - 21:57:36	gap at HO
21/04/08	67990	21:53:27 - 22:06:03	gap at MM
21/04/08	67990	20:51:24 - 21:05:07	gap at MA
21/04/08	67982	07:48:10 - 07:49:10	gap at KS
21/04/08	67983	09:27:46 - 09:28:48	gap at KS
21/04/08	67984	11:07:20 - 11:08:25	gap at KS
21/04/08	67985	12:46:37 - 12:47:40	gap at KS
21/04/08	67986	14:25:25 - 14:26:32	gap at KS
21/04/08	67987	16:03:10 - 16:04:16	gap at KS
21/04/08	67988	17:41:05 - 17:42:12	gap at KS
21/04/08	67984	11:20:20 - 11:21:32	gap at MS
21/04/08	67985	13:00:48 - 13:01:52	gap at MS
21/04/08	67989	19:16:24 - 19:17:37	gap at MA
21/04/08	67979	03:04:24 - 03:05:31	gap at SG
21/04/08	67986	15:39:01 - 15:40:11	gap at SG
22/04/08	67993	02:22:10 - 02:34:58	gap at BE
22/04/08	67993	01:54:59 - 02:01:59	gap at MI
22/04/08	67994	04:01:44 - 04:13:48	gap at BE
22/04/08	67994	03:30:25 - 03:43:48	gap at MI
22/04/08	67995	05:14:50 - 05:18:54	gap at MI

22/04/08	68001	15:19:22 - 15:30:37	gap at BE
22/04/08	68001	15:50:36 - 16:03:57	gap at MI
22/04/08	68002	18:03:11 - 18:15:44	gap at MM
22/04/08	68002	17:31:58 - 17:39:59	gap at MI
22/04/08	68003	18:47:33 - 18:51:43	gap at MA
22/04/08	68005	22:01:51 - 22:12:40	gap at MA
22/04/08	67997	08:56:27 - 08:57:28	gap at KS
22/04/08	67998	10:36:04 - 10:37:08	gap at KS
22/04/08	67999	12:15:28 - 12:16:32	gap at KS
22/04/08	68000	13:54:22 - 13:55:30	gap at KS
22/04/08	68001	15:32:27 - 15:33:46	gap at KS
22/04/08	68002	17:10:11 - 17:11:19	gap at KS
22/04/08	67998	10:49:36 - 10:50:45	gap at MS
22/04/08	67999	12:28:44 - 12:29:56	gap at MS
22/04/08	68005	21:59:54 - 22:04:31	gap at MS
22/04/08	68004	20:20:22 - 20:21:31	gap at MA
22/04/08	68004	20:33:05 - 20:34:10	gap at MA
22/04/08	68001	16:49:34 - 16:50:40	gap at SG
23/04/08	68007	01:51:29 - 02:02:42	gap at BE
23/04/08	68008	03:30:11 - 03:43:18	gap at BE
23/04/08	68008	02:59:31 - 03:12:26	gap at MI
23/04/08	68009	04:40:18 - 04:50:31	gap at MI
23/04/08	68013	11:55:05 - 11:59:33	gap at MA
23/04/08	68015	14:47:07 - 14:59:56	gap at BE
23/04/08	68015	15:19:45 - 15:32:16	gap at MI
23/04/08	68016	16:59:25 - 17:10:47	gap at MI
23/04/08	68017	19:11:10 - 19:23:49	gap at MM
23/04/08	68018	19:49:48 - 20:02:37	gap at MA
23/04/08	68011	08:25:08 - 08:26:10	gap at KS
23/04/08	68012	10:04:46 - 10:05:49	gap at KS
23/04/08	68013	11:44:16 - 11:45:23	gap at KS
23/04/08	68014	13:23:21 - 13:24:23	gap at KS
23/04/08	68015	15:01:53 - 15:03:06	gap at KS
23/04/08	68016	16:39:29 - 16:40:37	gap at KS
23/04/08	68017	18:17:23 - 18:18:39	gap at KS
23/04/08	68012	10:19:26 - 10:20:36	gap at MS
23/04/08	68013	11:57:09 - 11:58:18	gap at MS
23/04/08	68011	08:33:56 - 08:39:43	gap at MA
23/04/08	68019	21:28:58 - 21:30:07	gap at MA
23/04/08	68016	17:32:02 - 17:33:17	gap at MM
23/04/08	68007	02:11:22 - 02:12:46	gap at SG
23/04/08	68008	03:45:33 - 03:54:53	gap at SG
23/04/08	68014	14:37:30 - 14:42:58	gap at SG
23/04/08	68015	16:16:37 - 16:20:55	gap at SG
23/04/08	68015	15:23:40 - 15:26:48	gap at CM
23/04/08	68016	17:01:46 - 17:02:50	gap at CM
23/04/08	68016	17:12:05 - 17:13:23	gap at CM
24/04/08	68022	02:58:52 - 03:12:17	gap at BE

24/04/08	68022	02:29:18 - 02:40:38	gap at MI
24/04/08	68023	04:39:23 - 04:49:05	gap at BE
24/04/08	68023	04:07:47 - 04:20:19	gap at MI
24/04/08	68025	08:42:01 - 08:51:26	gap at MM
24/04/08	68025	08:03:53 - 08:13:12	gap at MA
24/04/08	68026	10:22:16 - 10:33:36	gap at MM
24/04/08	68027	12:02:17 - 12:14:41	gap at MM
24/04/08	68029	14:15:30 - 14:28:54	gap at BE
24/04/08	68029	14:49:33 - 14:59:44	gap at MI
24/04/08	68030	15:58:50 - 16:05:54	gap at BE
24/04/08	68030	16:27:37 - 16:40:33	gap at MI
24/04/08	68032	20:19:19 - 20:32:02	gap at MM
24/04/08	68032	19:21:42 - 19:30:34	gap at MA
24/04/08	68033	20:57:07 - 21:10:47	gap at MA
24/04/08	68034	22:42:26 - 22:47:40	gap at MA
24/04/08	68025	07:53:51 - 07:54:54	gap at KS
24/04/08	68026	09:33:27 - 09:34:29	gap at KS
24/04/08	68027	11:13:01 - 11:14:06	gap at KS
24/04/08	68028	12:52:16 - 12:53:19	gap at KS
24/04/08	68029	14:31:02 - 14:32:10	gap at KS
24/04/08	68030	16:08:45 - 16:09:51	gap at KS
24/04/08	68031	17:46:40 - 17:47:52	gap at KS
24/04/08	68027	11:25:59 - 11:27:12	gap at MS
24/04/08	68028	13:06:41 - 13:07:52	gap at MS
24/04/08	68022	03:10:00 - 03:19:35	gap at SG
24/04/08	68023	04:51:40 - 04:57:23	gap at SG
24/04/08	68029	15:44:44 - 15:45:56	gap at SG
25/04/08	68036	02:27:47 - 02:40:45	gap at BE
25/04/08	68036	02:00:06 - 02:08:04	gap at MI
25/04/08	68037	04:07:29 - 04:19:17	gap at BE
25/04/08	68037	03:36:07 - 03:49:28	gap at MI
25/04/08	68039	08:10:26 - 08:19:08	gap at MM
25/04/08	68040	09:50:47 - 10:01:36	gap at MM
25/04/08	68043	14:21:14 - 14:25:08	gap at MI
25/04/08	68044	15:25:19 - 15:36:09	gap at BE
25/04/08	68044	15:56:15 - 16:09:38	gap at MI
25/04/08	68045	17:38:02 - 17:45:06	gap at MI
25/04/08	68046	19:48:03 - 20:00:45	gap at MM
25/04/08	68047	20:25:59 - 20:39:45	gap at MA
25/04/08	68040	09:02:08 - 09:03:11	gap at KS
25/04/08	68041	10:41:45 - 10:42:51	gap at KS
25/04/08	68042	12:21:08 - 12:22:12	gap at KS
25/04/08	68043	14:00:02 - 14:01:10	gap at KS
25/04/08	68044	15:38:03 - 15:39:16	gap at KS
25/04/08	68045	17:15:52 - 17:16:59	gap at KS
25/04/08	68041	10:55:03 - 10:56:10	gap at MS
25/04/08	68042	12:34:29 - 12:35:35	gap at MS
25/04/08	68046	18:53:07 - 18:54:48	gap at MA

25/04/08	68045	18:08:51 - 18:10:14	gap at MM
25/04/08	68036	02:47:34 - 02:51:50	gap at SG
25/04/08	68037	04:27:50 - 04:30:52	gap at SG
25/04/08	68044	15:59:18 - 16:05:27	gap at CM
26/04/08	68049	00:00:21 - 00:05:49	gap at KS
26/04/08	68050	01:57:01 - 02:08:38	gap at BE
26/04/08	68051	03:35:54 - 03:48:53	gap at BE
26/04/08	68051	03:05:05 - 03:18:10	gap at MI
26/04/08	68051	03:46:51 - 04:00:29	gap at SG
26/04/08	68052	04:46:21 - 04:55:54	gap at MI
26/04/08	68054	09:19:17 - 09:29:30	gap at MM
26/04/08	68058	14:52:56 - 15:05:33	gap at BE
26/04/08	68058	15:25:19 - 15:38:04	gap at MI
26/04/08	68059	17:05:16 - 17:16:11	gap at MI
26/04/08	68062	21:34:46 - 21:47:38	gap at MA
26/04/08	68054	08:30:50 - 08:31:51	gap at KS
26/04/08	68055	10:10:27 - 10:11:32	gap at KS
26/04/08	68056	11:49:57 - 11:51:04	gap at KS
26/04/08	68057	13:28:59 - 13:30:02	gap at KS
26/04/08	68058	15:07:26 - 15:08:44	gap at KS
26/04/08	68059	16:45:03 - 16:46:13	gap at KS
26/04/08	68060	18:23:01 - 18:24:10	gap at KS
26/04/08	68055	10:24:53 - 10:26:07	gap at MS
26/04/08	68056	12:02:55 - 12:04:55	gap at MS
26/04/08	68061	19:55:19 - 19:56:28	gap at MA
26/04/08	68059	17:37:41 - 17:38:57	gap at MM
26/04/08	68050	02:10:11 - 02:17:31	gap at SG
26/04/08	68057	14:42:58 - 14:45:56	gap at SG
27/04/08	68065	03:04:32 - 03:17:57	gap at BE
27/04/08	68065	02:34:44 - 02:46:27	gap at MI
27/04/08	68065	02:37:11 - 02:41:41	gap at CM
27/04/08	68065	04:11:58 - 04:24:21	gap at CM
27/04/08	68066	04:45:15 - 04:54:25	gap at BE
27/04/08	68066	04:13:37 - 04:25:52	gap at MI
27/04/08	68069	10:27:59 - 10:39:24	gap at MM
27/04/08	68072	14:21:13 - 14:34:34	gap at BE
27/04/08	68072	14:54:58 - 15:05:44	gap at MI
27/04/08	68072	15:00:41 - 15:04:38	gap at CM
27/04/08	68073	16:05:11 - 16:11:05	gap at BE
27/04/08	68073	16:33:21 - 16:46:06	gap at MI
27/04/08	68073	16:35:57 - 16:48:19	gap at CM
27/04/08	68075	20:25:00 - 20:37:44	gap at MM
27/04/08	68075	19:27:03 - 19:36:24	gap at MA
27/04/08	68076	22:04:55 - 22:17:27	gap at MM
27/04/08	68068	07:59:32 - 08:00:37	gap at KS
27/04/08	68069	09:39:09 - 09:40:12	gap at KS
27/04/08	68070	11:18:42 - 11:19:47	gap at KS
27/04/08	68071	12:57:55 - 12:58:58	gap at KS

27/04/08	68072	14:36:40 - 14:37:48	gap at KS
27/04/08	68073	16:14:20 - 16:15:29	gap at KS
27/04/08	68074	17:52:14 - 17:53:33	gap at KS
27/04/08	68070	11:31:39 - 11:32:53	gap at MS
27/04/08	68071	13:12:35 - 13:13:52	gap at MS
27/04/08	68069	09:47:12 - 09:52:11	gap at MA
27/04/08	68076	21:03:00 - 21:04:13	gap at MA
27/04/08	68065	03:15:37 - 03:18:08	gap at SG
27/04/08	68065	03:21:11 - 03:29:25	gap at SG
27/04/08	68071	14:13:23 - 14:16:32	gap at SG
27/04/08	68072	15:50:29 - 15:57:58	gap at SG
28/04/08	68079	02:33:25 - 02:46:32	gap at BE
28/04/08	68079	02:05:17 - 02:14:05	gap at MI
28/04/08	68079	03:40:59 - 03:53:02	gap at CM
28/04/08	68080	04:13:16 - 04:24:45	gap at BE
28/04/08	68080	03:41:49 - 03:55:06	gap at MI
28/04/08	68081	05:49:59 - 05:52:29	gap at KS
28/04/08	68081	05:22:33 - 05:30:13	gap at CM
28/04/08	68082	08:16:11 - 08:25:00	gap at MM
28/04/08	68084	11:36:35 - 11:48:48	gap at MM
28/04/08	68086	14:25:59 - 14:31:50	gap at MI
28/04/08	68086	15:19:09 - 15:33:00	gap at SG
28/04/08	68087	15:31:18 - 15:41:39	gap at BE
28/04/08	68087	16:01:55 - 16:15:18	gap at MI
28/04/08	68088	17:44:13 - 17:50:06	gap at MI
28/04/08	68088	17:45:59 - 17:53:41	gap at CM
28/04/08	68089	19:53:44 - 20:06:26	gap at MM
28/04/08	68089	18:58:20 - 19:03:08	gap at MA
28/04/08	68090	21:33:26 - 21:46:05	gap at MM
28/04/08	68091	22:14:23 - 22:23:39	gap at MA
28/04/08	68083	09:07:50 - 09:08:52	gap at KS
28/04/08	68083	09:11:24 - 09:21:25	gap at KS
28/04/08	68084	10:47:26 - 10:48:32	gap at KS
28/04/08	68085	12:26:48 - 12:27:52	gap at KS
28/04/08	68086	14:05:41 - 14:06:49	gap at KS
28/04/08	68087	15:43:38 - 15:44:47	gap at KS
28/04/08	68088	17:21:29 - 17:22:37	gap at KS
28/04/08	68084	11:00:39 - 11:01:51	gap at MS
28/04/08	68085	12:40:15 - 12:41:20	gap at MS
28/04/08	68090	20:31:36 - 20:33:25	gap at MA
28/04/08	68088	18:14:30 - 18:15:51	gap at MM
28/04/08	68079	02:45:02 - 02:49:57	gap at SG
28/04/08	68080	04:24:37 - 04:29:23	gap at SG
28/04/08	68087	16:04:53 - 16:14:04	gap at CM
29/04/08	68092	00:06:32 - 00:11:21	gap at KS
29/04/08	68093	02:02:35 - 02:14:31	gap at BE
29/04/08	68094	03:41:38 - 03:54:27	gap at BE
29/04/08	68094	04:21:12 - 04:27:26	gap at MM

29/04/08	68094	03:10:41 - 03:23:54	gap at MI
29/04/08	68095	04:52:27 - 05:01:14	gap at MI
29/04/08	68096	07:44:35 - 07:52:39	gap at MM
29/04/08	68097	09:25:01 - 09:35:21	gap at MM
29/04/08	68099	12:45:05 - 12:57:42	gap at MM
29/04/08	68101	14:58:46 - 15:11:09	gap at BE
29/04/08	68101	15:30:54 - 15:43:52	gap at MI
29/04/08	68102	17:11:08 - 17:21:33	gap at MI
29/04/08	68102	17:13:23 - 17:24:21	gap at CM
29/04/08	68103	19:22:31 - 19:35:11	gap at MM
29/04/08	68105	21:40:35 - 21:53:13	gap at MA
29/04/08	68097	08:36:31 - 08:37:34	gap at KS
29/04/08	68098	10:16:09 - 10:17:13	gap at KS
29/04/08	68099	11:55:37 - 11:56:45	gap at KS
29/04/08	68100	13:34:37 - 13:35:41	gap at KS
29/04/08	68101	15:12:59 - 15:14:23	gap at KS
29/04/08	68102	16:50:36 - 16:51:50	gap at KS
29/04/08	68103	18:28:38 - 18:29:43	gap at KS
29/04/08	68098	10:30:22 - 10:31:33	gap at MS
29/04/08	68099	12:08:38 - 12:09:48	gap at MS
29/04/08	68106	23:17:46 - 23:20:45	gap at MS
29/04/08	68104	20:00:52 - 20:02:02	gap at MA
29/04/08	68102	17:43:21 - 17:44:34	gap at MM
29/04/08	68100	14:48:28 - 14:51:36	gap at SG
29/04/08	68101	15:36:51 - 15:44:53	gap at CM
30/04/08	68106	00:12:03 - 00:26:41	gap at HO
30/04/08	68107	01:55:11 - 02:04:13	gap at HO
30/04/08	68108	03:10:14 - 03:23:37	gap at BE
30/04/08	68108	02:40:11 - 02:52:15	gap at MI
30/04/08	68109	04:51:07 - 04:59:43	gap at BE
30/04/08	68109	04:19:29 - 04:31:24	gap at MI
30/04/08	68111	08:53:29 - 09:03:10	gap at MM
30/04/08	68112	10:33:42 - 10:45:12	gap at MM
30/04/08	68113	11:34:12 - 11:41:40	gap at MA
30/04/08	68114	14:18:39 - 14:28:59	gap at SG
30/04/08	68115	14:26:56 - 14:40:13	gap at BE
30/04/08	68115	15:00:26 - 15:11:41	gap at MI
30/04/08	68115	15:05:28 - 15:11:15	gap at CM
30/04/08	68116	16:39:07 - 16:51:38	gap at MI
30/04/08	68116	16:41:39 - 16:53:55	gap at CM
30/04/08	68119	22:04:35 - 22:15:08	gap at HO
30/04/08	68119	22:10:39 - 22:23:10	gap at MM
30/04/08	68120	23:41:02 - 23:55:25	gap at HO
30/04/08	68111	08:05:13 - 08:06:18	gap at KS
30/04/08	68112	09:44:50 - 09:45:55	gap at KS
30/04/08	68113	11:24:23 - 11:25:33	gap at KS
30/04/08	68114	13:03:35 - 13:04:38	gap at KS
30/04/08	68115	14:42:17 - 14:43:25	gap at KS

30/04/08	68116	16:19:57 - 16:21:06	gap at KS
30/04/08	68117	17:57:47 - 17:59:13	gap at KS
30/04/08	68113	11:37:20 - 11:38:35	gap at MS
30/04/08	68114	13:18:32 - 13:19:38	gap at MS
30/04/08	68118	19:30:36 - 19:31:45	gap at MA
30/04/08	68119	21:08:48 - 21:10:02	gap at MA
30/04/08	68108	03:32:18 - 03:35:06	gap at SG
30/04/08	68115	15:56:15 - 15:57:24	gap at SG
30/04/08	68108	04:17:40 - 04:20:03	gap at CM
30/04/08	68108	04:23:47 - 04:29:59	gap at CM

Lamp Failures: none

cooler switchings:

Date	Coolers off/on	Maximum detector warm up temperature [Kelvin]
02/04/08	07:52:53 off 09:28:11 on	FPA 1: 272.2 FPA 2: 272.9 FPA 3: 272.3 FPA 4: 272.8

Timeline interruptions:

Date	Orbit No.	Duration	remark
21/04/08	67988	18:02:19 – 19:19:05	GOME in Nadir Static View (see ER2-UNA 2008/0017) due to PL synchronization

Narrow Swath Timeline:

Date	Orbit No.	Duration	Date
04-05/04/08	67746– 67759	~20:00 (04/04/08) - ~17:30 (05/04/08)	Narrow Swath Timeline GMNNOT41 executed
14-15/04/08	67890– 67902	~21:00 (14/04/08) - ~18:30 (15/04/08)	Narrow Swath Timeline GMNNOT41 executed
24-25/04/08	68032 – 68045	~19:30 (24/04/08) - ~17:00 (25/04/08)	Narrow Swath Timeline GMNNOT41 executed

Commanding Problems - Incorrect Timelines Executions

Date	Orbit No.	Duration	remark
20/04/08	67970	11:39 - 12:06	Polar View Time duration longer than expected; Geolocation track during this time was not on Nominal Swath 960 Km

Date	Orbit No.	Duration	remark
01-30/04/08			GOME North Polar View Operations
04/04/08	67736	02:57:26	Corrupted products at MI anomalous values for most parameters
04/04/08 – 11/04/08	67735 - 67848		products with padded frames in channel 4 (Frame 20)
06/04/08	67764	02:37:28	Corrupted products at SG anomalous values for most parameters
16/04/08	67906	01:07:28	Corrupted products at HO anomalous values for most parameters
14/04/08 – 18/04/08	67877 - 67948		products with padded frames in channel 4 (Frame 20)
16/04/08	67908	04:15:45	Corrupted products at SG anomalous values for most parameters
21/04/08 – 24/04/08	67977	68034	products with padded frames in channel 4 (Frame 20)
22/04/08	68004	20:28:34	Corrupted products at MA anomalous values for most -parameters
25/04/08	68044	15:14:33	Corrupted products at SG anomalous values for most parameters
28/04/08	68090	20:48:59 - 20:58:58	GOOD Lamp cal measurements, no instability
28/04/08	68090	start 21:32:00 stop after 21:36:39 (no visibility gs)	GOOD Lamp cal measurements, no instability
28/04/08	68091	22:15:12 - 22:17:18	GOOD Lamp cal measurements, no instability
28/04/08	68091	start 22:29:35 stop after 22:34:31 (no visibility gs)	GOOD Lamp cal measurements, no instability
28/04/08	68091	23:12:36 - 23:22:32	GOOD Lamp cal measurements, no instability
29/04/08	68092	23:55:49 - 23:57:54	GOOD Lamp cal measurements, no instability
29/04/08	68092	Start before 00:44:43 (no visibility gs) stop 00:45:07	GOOD Lamp cal measurements, no instability
29/04/08	68092	00:53:12 - 01:03:07	GOOD Lamp cal measurements, no instability
29/04/08	68093	Start before 01:37:42 (no visibility gs) stop 01:38:32	Calibration lamp instabilities: some values at ca. 180 V (nominal would be 198 V)
29/04/08	68093	start 01:50:48 stop after 01:51:05 (no visibility gs)	GOOD Lamp cal measurements, no instability
29/04/08	68093	Start before 02:16:20 (no visibility gs) stop 02:25:45	GOOD Lamp cal measurements, no instability

29/04/08	68093	Start before 02:37:44 (no visibility gs) stop 02:43:43	GOOD Lamp cal measurements, no instability
29/04/08	68094	03:17:02 - 03:19:07	GOOD Lamp cal measurements, no instability
29/04/08	68094	03:56:25 - 04:06:22	GOOD Lamp cal measurements, no instability
29/04/08	68095	Start before 04:58:49 (no visibility gs) stop 04:59:43	GOOD Lamp cal measurements, no instability
29/04/08	68101	14:51:36 – 14:59:31	anomalous long science dump at SG, no data processing possible