

GOME Operations for August 2008

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

GOME Operations during August 2008

Date	Operations	remark
01/08/08	data available within visibility of groundstation	start of sun calibration: 19:19:31.410
02/08/08	data available within visibility of groundstation	start of sun calibration: 18:47:57.919
03/08/08	data available within visibility of groundstation	start of sun calibration: 18:16:24.426
04/08/08	SEU data available within visibility of groundstation	No solar calibration available due to GOME anomaly (scan mirror set to 261.8 degree)
05/08/08	SEU data available within visibility of groundstation	start of sun calibration: 17:13:16.130
06/08/08	data available within visibility of groundstation	start of sun calibration: 20:02:56.127
07/08/08	data available within visibility of groundstation	start of sun calibration: 19:31:27.177
08/08/08	data available within visibility of groundstation	no solar calibration available due to the execution of an ERS2 orbit manoeuvre
09/08/08	data available within visibility of groundstation	start of sun calibration: 18:28:23.193
10/08/08	data available within visibility of groundstation	start of sun calibration: 17:56:48.196
11/08/08	data available within visibility of groundstation	start of sun calibration: 17:25:20.710
12/08/08	data available within visibility of groundstation	start of sun calibration: 16:53:47.208
13/08/08	data available within visibility of groundstation	start of sun calibration: 19:43:26.927
14/08/08	data available within visibility of groundstation	start of sun calibration: 19:12:46
15/08/08	data available within visibility of groundstation	start of sun calibration: 18:41:14
16/08/08	data available within visibility of groundstation	start of sun calibration: 18:09:44
17/08/08	data available within visibility of groundstation	start of sun calibration: 17:38:13
18/08/08	data available within visibility of groundstation	start of sun calibration: 17:06:41
19/08/08	data available within visibility of groundstation	start of sun calibration: 19:56:21
20/08/08	data available within visibility of groundstation	start of sun calibration: 19:24:50
21/08/08	data available within visibility of groundstation	start of sun calibration: 18:53:20
22/08/08	data available within visibility of groundstation	start of sun calibration: 18:21:48
23/08/08	data available within visibility of groundstation	start of sun calibration: 17:50:19

24/08/08	data available within visibility of groundstation	start of sun calibration: 17:18:48
25/08/08	data available within visibility of groundstation	start of sun calibration: 16:47:16
26/08/08	data available within visibility of groundstation	start of sun calibration: 19:36:59
27/08/08	SEU data available within visibility of groundstation	TST44 solar calibration mode with warm detectors (T~268.0) however due to limited ground station visibility calibration data are not available start of sun calibration: 19:05:26
28/08/08	data available within visibility of groundstation	start of sun calibration: 18:33:56
29/08/08	data available within visibility of groundstation	start of sun calibration: 18:01:36.422
30/08/08	data available within visibility of groundstation	start of sun calibration: 17:30:04.419
31/08/08	data available within visibility of groundstation	start of sun calibration: 16:58:36.915

Anomalies:

single event upsets (SEU):

Date	Reason
04-05/08/08	GOME anomalous behavior during orbits 69491 of 04/08/2008 (UTC ca 18:00) until orbit 69497 of 05/08/2008 (UTC ca 03:20) - 3xNack flag set continuously - scan mirror position set to 261.8 deg continuously - scan motor temp. increased by ca 40 deg K - scan mirror temp. increased by ca 10 deg K - scan unit temp. increased by ca 20 deg K - scan motor current value at 64322 BU, instead ca. 38000 - no narrow swath executed due to anomaly this anomaly was cured with two GOME Power Cycle (GMN11) on 05/08/2008, at 03:13:16 and at 04:53:51; data of day 05/08/2008, ca 05:00, orbit 69498, are nominal again
27/08/08	GOME unpowered , start at ~01:56, stop at ~ 07:30 (ERS-2 Unavailability Report 2008030), orbits 69811-69814; FPA1 temperature out of limits; MPS resumed at 10:33:51

list of datagaps:

Date	Orbit No.	duration	reason
01/08/08	69437	23:49:30 - 00:03:57	gap at HO
01/08/08	69437	00:00:14 - 00:11:43	gap at MM
01/08/08	69438	01:30:34 - 01:42:23	gap at HO
01/08/08	69438	01:42:18 - 01:51:57	gap at MM
01/08/08	69439	02:47:32 - 03:00:53	gap at BE
01/08/08	69439	03:25:14 - 03:32:32	gap at MM
01/08/08	69439	02:58:50 - 03:12:12	gap at SG

01/08/08	69440	04:27:45 - 04:38:20	gap at BE
01/08/08	69440	05:08:09 - 05:13:56	gap at MM
01/08/08	69441	06:49:50 - 06:56:40	gap at MM
01/08/08	69441	06:03:42 - 06:09:09	gap at KS
01/08/08	69441	05:38:35 - 05:42:40	gap at CM
01/08/08	69442	08:30:32 - 08:39:42	gap at MM
01/08/08	69442	07:52:55 - 07:59:48	gap at MA
01/08/08	69443	10:10:49 - 10:21:59	gap at MM
01/08/08	69443	09:30:11 - 09:43:48	gap at MA
01/08/08	69444	12:00:13 - 12:13:34	gap at HO
01/08/08	69444	11:50:52 - 12:03:11	gap at MM
01/08/08	69444	11:10:48 - 11:20:04	gap at MA
01/08/08	69445	13:30:41 - 13:43:24	gap at MM
01/08/08	69446	14:04:08 - 14:17:33	gap at BE
01/08/08	69446	15:10:15 - 15:22:54	gap at MM
01/08/08	69447	15:46:27 - 15:55:15	gap at BE
01/08/08	69447	16:49:32 - 17:02:04	gap at MM
01/08/08	69448	18:28:40 - 18:41:15	gap at MM
01/08/08	69449	20:07:56 - 20:20:40	gap at MM
01/08/08	69449	19:11:09 - 19:18:51	gap at MA
01/08/08	69450	21:47:44 - 22:00:21	gap at MM
01/08/08	69450	20:45:44 - 20:59:26	gap at MA
01/08/08	69450	22:07:43 - 22:19:24	gap at JO
01/08/08	69451	23:18:30 - 23:32:38	gap at HO
01/08/08	69451	23:28:23 - 23:40:16	gap at MM
01/08/08	69451	22:29:42 - 22:37:10	gap at MA
01/08/08	69443	09:22:04 - 09:23:14	gap at KS
01/08/08	69444	11:01:39 - 11:02:52	gap at KS
01/08/08	69445	12:40:57 - 12:42:08	gap at KS
01/08/08	69446	14:19:47 - 14:21:02	gap at KS
01/08/08	69447	15:57:35 - 15:58:48	gap at KS
01/08/08	69448	17:35:30 - 17:36:44	gap at KS
01/08/08	69446	14:31:40 - 14:32:43	gap at GS
01/08/08	69444	11:14:42 - 11:15:56	gap at MS
01/08/08	69445	12:54:54 - 12:56:08	gap at MS
01/08/08	69440	03:56:11 - 03:57:55	gap at MI
01/08/08	69447	16:24:06 - 16:29:23	gap at MI
01/08/08	69440	04:39:30 - 04:48:26	gap at SG
01/08/08	69446	15:33:19 - 15:34:34	gap at SG
01/08/08	69446	15:41:27 - 15:47:10	gap at SG
01/08/08	69441	06:31:59 - 06:33:41	gap at JO
01/08/08	69442	08:07:10 - 08:09:22	gap at JO
01/08/08	69443	09:49:22 - 09:50:56	gap at JO
02/08/08	69452	00:58:16 - 01:11:47	gap at HO
02/08/08	69452	00:22:22 - 00:24:51	gap at KS
02/08/08	69453	02:16:33 - 02:29:09	gap at BE
02/08/08	69453	02:28:42 - 02:40:03	gap at SG
02/08/08	69454	03:55:58 - 04:08:18	gap at BE

02/08/08	69454	04:35:54 - 04:41:56	gap at MM
02/08/08	69454	04:07:03 - 04:19:55	gap at SG
02/08/08	69455	06:18:01 - 06:24:16	gap at MM
02/08/08	69456	07:58:57 - 08:07:22	gap at MM
02/08/08	69456	07:36:25 - 07:50:43	gap at JO
02/08/08	69457	08:59:58 - 09:12:24	gap at MA
02/08/08	69458	11:19:27 - 11:31:30	gap at MM
02/08/08	69458	10:38:23 - 10:50:09	gap at MA
02/08/08	69459	12:59:20 - 13:12:00	gap at MM
02/08/08	69460	14:38:59 - 14:51:41	gap at MM
02/08/08	69461	15:13:27 - 15:25:05	gap at BE
02/08/08	69461	16:18:21 - 16:30:55	gap at MM
02/08/08	69461	15:48:12 - 15:59:36	gap at CM
02/08/08	69462	17:25:57 - 17:34:48	gap at MI
02/08/08	69462	17:28:03 - 17:37:52	gap at CM
02/08/08	69463	19:36:42 - 19:49:23	gap at MM
02/08/08	69464	21:16:17 - 21:28:59	gap at MM
02/08/08	69464	20:14:47 - 20:28:33	gap at MA
02/08/08	69465	22:56:39 - 23:08:50	gap at MM
02/08/08	69465	21:55:51 - 22:07:08	gap at MA
02/08/08	69457	08:50:45 - 08:51:54	gap at KS
02/08/08	69458	10:30:22 - 10:31:33	gap at KS
02/08/08	69459	12:09:48 - 12:10:58	gap at KS
02/08/08	69460	13:48:43 - 13:49:57	gap at KS
02/08/08	69461	15:26:52 - 15:28:20	gap at KS
02/08/08	69462	17:04:34 - 17:05:48	gap at KS
02/08/08	69463	18:42:44 - 18:43:50	gap at KS
02/08/08	69458	10:44:06 - 10:45:24	gap at MS
02/08/08	69459	12:23:00 - 12:24:18	gap at MS
02/08/08	69466	23:32:05 - 23:33:17	gap at MS
02/08/08	69454	03:24:45 - 03:27:41	gap at MI
02/08/08	69462	17:57:31 - 17:58:59	gap at MM
02/08/08	69460	15:02:19 - 15:03:28	gap at SG
02/08/08	69457	09:16:19 - 09:22:00	gap at JO
02/08/08	69464	21:35:43 - 21:37:13	gap at JO
03/08/08	69467	01:45:58 - 01:56:45	gap at BE
03/08/08	69468	04:03:32 - 04:10:04	gap at MM
03/08/08	69468	02:54:50 - 03:03:19	gap at CM
03/08/08	69468	04:32:03 - 04:44:00	gap at CM
03/08/08	69469	05:46:05 - 05:51:58	gap at MM
03/08/08	69470	07:27:19 - 07:34:58	gap at MM
03/08/08	69471	08:28:21 - 08:40:10	gap at MA
03/08/08	69472	10:07:08 - 10:20:05	gap at MA
03/08/08	69473	12:27:58 - 12:40:31	gap at MM
03/08/08	69473	11:48:56 - 11:54:34	gap at MA
03/08/08	69474	14:16:36 - 14:29:24	gap at HO
03/08/08	69474	14:07:42 - 14:20:25	gap at MM
03/08/08	69475	14:41:20 - 14:54:19	gap at BE

03/08/08	69475	15:47:09 - 15:59:45	gap at MM
03/08/08	69475	15:18:21 - 15:26:52	gap at CM
03/08/08	69476	16:56:00 - 17:07:51	gap at CM
03/08/08	69477	19:05:30 - 19:18:09	gap at MM
03/08/08	69478	20:44:55 - 20:57:39	gap at MM
03/08/08	69478	19:44:18 - 19:56:44	gap at MA
03/08/08	69478	21:04:08 - 21:19:00	gap at JO
03/08/08	69479	22:18:01 - 22:29:37	gap at HO
03/08/08	69479	22:25:00 - 22:37:26	gap at MM
03/08/08	69479	21:23:11 - 21:36:21	gap at MA
03/08/08	69479	22:46:48 - 22:53:00	gap at JO
03/08/08	69480	23:55:08 - 00:09:38	gap at HO
03/08/08	69471	08:19:27 - 08:20:34	gap at KS
03/08/08	69472	09:59:04 - 10:00:15	gap at KS
03/08/08	69473	11:38:35 - 11:39:50	gap at KS
03/08/08	69474	13:17:42 - 13:18:51	gap at KS
03/08/08	69475	14:56:18 - 14:57:33	gap at KS
03/08/08	69476	16:33:55 - 16:35:10	gap at KS
03/08/08	69477	18:11:46 - 18:13:09	gap at KS
03/08/08	69467	01:21:55 - 01:32:14	gap at GS
03/08/08	69472	10:14:00 - 10:15:14	gap at MS
03/08/08	69473	11:51:27 - 11:52:46	gap at MS
03/08/08	69476	17:26:22 - 17:27:39	gap at MM
03/08/08	69468	03:24:28 - 03:25:43	gap at BE
03/08/08	69468	03:35:25 - 03:36:38	gap at SG
03/08/08	69468	03:38:01 - 03:49:16	gap at SG
03/08/08	69474	14:32:04 - 14:33:53	gap at SG
03/08/08	69470	07:06:18 - 07:07:48	gap at JO
03/08/08	69471	08:44:15 - 08:45:47	gap at JO
03/08/08	69471	08:54:33 - 08:58:53	gap at JO
04/08/08	69482	02:53:12 - 03:06:35	gap at BE
04/08/08	69482	03:31:08 - 03:38:18	gap at MM
04/08/08	69482	04:00:37 - 04:13:02	gap at CM
04/08/08	69483	04:33:34 - 04:43:43	gap at BE
04/08/08	69483	05:14:00 - 05:19:47	gap at MM
04/08/08	69485	07:59:07 - 08:07:05	gap at MA
04/08/08	69486	09:35:51 - 09:49:30	gap at MA
04/08/08	69487	11:56:35 - 12:08:56	gap at MM
04/08/08	69487	11:16:39 - 11:25:26	gap at MA
04/08/08	69488	13:36:23 - 13:49:06	gap at MM
04/08/08	69489	14:09:49 - 14:23:14	gap at BE
04/08/08	69490	15:52:36 - 16:00:37	gap at BE
04/08/08	69491	18:34:20 - 18:46:55	gap at MM
04/08/08	69492	19:16:24 - 19:24:43	gap at MA
04/08/08	69493	21:48:52 - 21:57:36	gap at HO
04/08/08	69493	21:53:27 - 22:06:03	gap at MM
04/08/08	69493	20:51:24 - 21:05:07	gap at MA
04/08/08	69494	23:34:10 - 23:45:59	gap at MM

04/08/08	69494	22:35:59 - 22:42:28	gap at MA
04/08/08	69485	07:48:10 - 07:49:17	gap at KS
04/08/08	69486	09:27:46 - 09:28:53	gap at KS
04/08/08	69487	11:07:20 - 11:08:32	gap at KS
04/08/08	69488	12:46:37 - 12:47:47	gap at KS
04/08/08	69489	14:25:25 - 14:26:39	gap at KS
04/08/08	69490	16:03:10 - 16:04:23	gap at KS
04/08/08	69491	17:41:05 - 17:42:20	gap at KS
04/08/08	69487	11:20:20 - 11:22:56	gap at MS
04/08/08	69488	13:00:48 - 13:01:58	gap at MS
04/08/08	69488	13:00:48 - 13:01:58	gap at MS
04/08/08	69487	11:20:20 - 11:21:38	gap at MS
04/08/08	69488	13:00:48 - 13:01:58	gap at MS
04/08/08	69483	04:01:58 - 04:03:42	gap at MI
04/08/08	69483	04:11:04 - 04:14:45	gap at MI
04/08/08	69482	03:04:24 - 03:05:38	gap at SG
04/08/08	69489	15:39:01 - 15:40:18	gap at SG
04/08/08	69484	06:37:08 - 06:38:43	gap at JO
04/08/08	69485	08:12:49 - 08:14:36	gap at JO
04/08/08	69486	09:55:33 - 09:57:12	gap at JO
05/08/08	69496	02:22:10 - 02:34:58	gap at BE
05/08/08	69496	02:58:43 - 03:06:37	gap at MM
05/08/08	69497	04:01:44 - 04:13:48	gap at BE
05/08/08	69497	04:41:46 - 04:47:44	gap at MM
05/08/08	69497	05:10:20 - 05:19:38	gap at CM
05/08/08	69499	08:04:42 - 08:13:15	gap at MM
05/08/08	69500	09:05:33 - 09:18:03	gap at MA
05/08/08	69501	11:35:04 - 11:47:07	gap at HO
05/08/08	69501	11:25:10 - 11:37:16	gap at MM
05/08/08	69501	10:44:09 - 10:55:39	gap at MA
05/08/08	69502	13:13:35 - 13:28:24	gap at HO
05/08/08	69502	13:05:02 - 13:17:43	gap at MM
05/08/08	69503	14:54:14 - 15:03:43	gap at HO
05/08/08	69504	15:19:22 - 15:30:37	gap at BE
05/08/08	69504	15:53:44 - 16:05:26	gap at CM
05/08/08	69505	17:33:59 - 17:43:12	gap at CM
05/08/08	69506	19:42:23 - 19:55:04	gap at MM
05/08/08	69506	18:47:33 - 18:51:43	gap at MA
05/08/08	69507	21:22:00 - 21:34:41	gap at MM
05/08/08	69507	20:20:22 - 20:34:10	gap at MA
05/08/08	69507	21:41:29 - 21:55:02	gap at JO
05/08/08	69508	22:53:39 - 23:06:53	gap at HO
05/08/08	69508	22:01:51 - 22:12:40	gap at MA
05/08/08	69500	08:56:27 - 08:57:35	gap at KS
05/08/08	69501	10:36:04 - 10:37:15	gap at KS
05/08/08	69502	12:15:28 - 12:16:38	gap at KS
05/08/08	69503	13:54:22 - 13:55:37	gap at KS
05/08/08	69504	15:32:27 - 15:33:51	gap at KS

05/08/08	69505	17:10:11 - 17:11:25	gap at KS
05/08/08	69506	18:48:22 - 18:49:24	gap at KS
05/08/08	69495	00:10:01 - 00:11:03	gap at MS
05/08/08	69501	10:49:36 - 10:50:52	gap at MS
05/08/08	69502	12:28:44 - 12:30:02	gap at MS
05/08/08	69497	03:30:25 - 03:33:02	gap at MI
05/08/08	69504	15:59:36 - 16:03:57	gap at MI
05/08/08	69505	17:34:58 - 17:39:59	gap at MI
05/08/08	69505	18:03:11 - 18:04:40	gap at MM
05/08/08	69496	02:34:07 - 02:44:25	gap at SG
05/08/08	69497	04:12:53 - 04:24:01	gap at SG
05/08/08	69499	07:41:58 - 07:43:21	gap at JO
05/08/08	69500	09:22:15 - 09:23:44	gap at JO
06/08/08	69509	00:32:01 - 00:46:32	gap at HO
06/08/08	69510	01:51:29 - 02:02:42	gap at BE
06/08/08	69510	02:26:21 - 02:35:00	gap at MM
06/08/08	69511	04:09:26 - 04:15:51	gap at MM
06/08/08	69511	03:00:07 - 03:09:18	gap at CM
06/08/08	69512	06:18:27 - 06:30:09	gap at CM
06/08/08	69513	07:11:43 - 07:24:42	gap at JO
06/08/08	69514	08:33:56 - 08:46:05	gap at MA
06/08/08	69515	11:05:10 - 11:13:57	gap at HO
06/08/08	69515	10:53:43 - 11:05:29	gap at MM
06/08/08	69515	10:12:51 - 10:25:36	gap at MA
06/08/08	69516	12:42:26 - 12:57:09	gap at HO
06/08/08	69516	12:33:41 - 12:46:15	gap at MM
06/08/08	69516	11:55:05 - 11:59:33	gap at MA
06/08/08	69517	14:22:22 - 14:34:55	gap at HO
06/08/08	69518	14:47:07 - 14:59:56	gap at BE
06/08/08	69518	15:23:40 - 15:32:56	gap at CM
06/08/08	69519	17:01:46 - 17:13:23	gap at CM
06/08/08	69520	19:11:10 - 19:23:49	gap at MM
06/08/08	69521	20:50:37 - 21:03:21	gap at MM
06/08/08	69521	19:49:48 - 20:02:37	gap at MA
06/08/08	69522	22:23:26 - 22:35:22	gap at HO
06/08/08	69522	21:28:58 - 21:42:02	gap at MA
06/08/08	69523	23:06:23 - 23:19:51	gap at MS
06/08/08	69523	23:20:51 - 23:29:22	gap at KS
06/08/08	69514	08:25:08 - 08:26:15	gap at KS
06/08/08	69515	10:04:46 - 10:05:55	gap at KS
06/08/08	69516	11:44:16 - 11:45:30	gap at KS
06/08/08	69517	13:23:21 - 13:24:29	gap at KS
06/08/08	69518	15:01:53 - 15:03:12	gap at KS
06/08/08	69519	16:39:29 - 16:40:44	gap at KS
06/08/08	69520	18:17:23 - 18:18:44	gap at KS
06/08/08	69515	10:19:26 - 10:20:55	gap at MS
06/08/08	69516	11:57:09 - 11:58:24	gap at MS
06/08/08	69519	17:32:02 - 17:33:23	gap at MM

06/08/08	69511	03:30:11 - 03:31:27	gap at BE
06/08/08	69511	03:48:41 - 03:54:53	gap at SG
06/08/08	69517	14:37:30 - 14:40:01	gap at SG
06/08/08	69514	08:50:02 - 08:58:19	gap at JO
06/08/08	69521	21:09:51 - 21:12:49	gap at JO
07/08/08	69523	00:00:48 - 00:15:19	gap at HO
07/08/08	69523	00:11:51 - 00:23:10	gap at MM
07/08/08	69524	01:42:37 - 01:53:25	gap at HO
07/08/08	69524	01:54:02 - 02:03:26	gap at MM
07/08/08	69525	03:37:02 - 03:44:04	gap at MM
07/08/08	69525	02:32:55 - 02:46:44	gap at GS
07/08/08	69525	02:32:56 - 02:34:43	gap at CM
07/08/08	69526	04:39:23 - 04:49:05	gap at BE
07/08/08	69526	04:13:49 - 04:25:30	gap at GS
07/08/08	69526	05:46:53 - 05:59:18	gap at CM
07/08/08	69527	05:56:08 - 06:08:50	gap at PS
07/08/08	69528	08:03:53 - 08:13:12	gap at MA
07/08/08	69529	10:22:16 - 10:33:36	gap at MM
07/08/08	69529	09:41:31 - 09:55:12	gap at MA
07/08/08	69530	12:11:28 - 12:25:18	gap at HO
07/08/08	69530	12:02:17 - 12:14:41	gap at MM
07/08/08	69530	11:22:31 - 11:30:54	gap at MA
07/08/08	69531	13:50:40 - 14:04:56	gap at HO
07/08/08	69532	14:15:30 - 14:28:54	gap at BE
07/08/08	69532	14:42:47 - 14:53:37	gap at GS
07/08/08	69533	15:58:50 - 16:05:54	gap at BE
07/08/08	69533	16:21:39 - 16:35:25	gap at GS
07/08/08	69534	18:40:00 - 18:52:36	gap at MM
07/08/08	69534	18:02:19 - 18:11:24	gap at GS
07/08/08	69535	20:19:19 - 20:32:02	gap at MM
07/08/08	69535	19:21:42 - 19:30:34	gap at MA
07/08/08	69535	19:40:10 - 19:52:23	gap at PS
07/08/08	69536	21:54:05 - 22:03:28	gap at HO
07/08/08	69536	20:57:07 - 21:10:47	gap at MA
07/08/08	69537	22:42:26 - 22:47:40	gap at MA
07/08/08	69528	07:53:51 - 07:54:58	gap at KS
07/08/08	69529	09:33:27 - 09:34:37	gap at KS
07/08/08	69530	11:13:01 - 11:14:37	gap at KS
07/08/08	69531	12:52:16 - 12:53:26	gap at KS
07/08/08	69532	14:31:02 - 14:32:16	gap at KS
07/08/08	69533	16:08:45 - 16:09:57	gap at KS
07/08/08	69534	17:46:40 - 17:47:58	gap at KS
07/08/08	69530	11:25:59 - 11:27:18	gap at MS
07/08/08	69531	13:06:41 - 13:07:57	gap at MS
07/08/08	69526	04:07:47 - 04:09:33	gap at MI
07/08/08	69526	04:16:53 - 04:20:19	gap at MI
07/08/08	69525	02:58:52 - 03:00:04	gap at BE
07/08/08	69525	03:10:00 - 03:11:04	gap at SG

07/08/08	69525	03:21:25 - 03:23:42	gap at SG
07/08/08	69532	15:44:44 - 15:46:04	gap at SG
07/08/08	69527	06:42:20 - 06:43:54	gap at JO
07/08/08	69528	08:18:30 - 08:19:50	gap at JO
07/08/08	69528	08:30:53 - 08:33:31	gap at JO
07/08/08	69529	10:01:51 - 10:03:28	gap at JO
07/08/08	69534	19:02:44 - 19:04:28	gap at JO
07/08/08	69536	22:19:31 - 22:21:05	gap at JO
08/08/08	69538	01:21:48 - 01:31:53	gap at MM
08/08/08	69539	03:04:37 - 03:12:22	gap at MM
08/08/08	69541	05:16:24 - 05:24:57	gap at CM
08/08/08	69542	08:10:26 - 08:19:08	gap at MM
08/08/08	69543	09:50:47 - 10:01:36	gap at MM
08/08/08	69543	09:11:10 - 09:23:42	gap at MA
08/08/08	69544	11:30:53 - 11:43:02	gap at MM
08/08/08	69544	10:49:55 - 11:01:07	gap at MA
08/08/08	69547	15:25:19 - 15:36:09	gap at BE
08/08/08	69548	18:08:51 - 18:21:24	gap at MM
08/08/08	69548	17:38:02 - 17:45:06	gap at MI
08/08/08	69549	19:48:03 - 20:00:45	gap at MM
08/08/08	69549	18:53:07 - 18:57:26	gap at MA
08/08/08	69550	20:25:59 - 20:39:45	gap at MA
08/08/08	69551	23:08:11 - 23:20:16	gap at MM
08/08/08	69551	22:08:21 - 22:18:10	gap at MA
08/08/08	69543	09:02:08 - 09:03:17	gap at KS
08/08/08	69544	10:41:45 - 10:42:56	gap at KS
08/08/08	69545	12:21:08 - 12:22:18	gap at KS
08/08/08	69546	14:00:02 - 14:01:15	gap at KS
08/08/08	69547	15:38:03 - 15:39:22	gap at KS
08/08/08	69548	17:15:52 - 17:17:06	gap at KS
08/08/08	69544	10:55:03 - 10:56:16	gap at MS
08/08/08	69545	12:34:29 - 12:35:39	gap at MS
08/08/08	69540	03:36:07 - 03:38:03	gap at MI
08/08/08	69550	21:27:43 - 21:28:44	gap at MM
08/08/08	69539	02:27:47 - 02:29:05	gap at BE
08/08/08	69546	15:13:31 - 15:14:35	gap at SG
08/08/08	69542	07:47:32 - 07:48:54	gap at JO
08/08/08	69543	09:28:12 - 09:29:44	gap at JO
08/08/08	69550	21:47:17 - 21:49:02	gap at JO
09/08/08	69552	00:49:41 - 01:00:22	gap at MM
09/08/08	69552	00:00:21 - 00:05:49	gap at KS
09/08/08	69553	02:32:14 - 02:40:45	gap at MM
09/08/08	69553	02:10:11 - 02:18:58	gap at SG
09/08/08	69554	03:35:54 - 03:48:53	gap at BE
09/08/08	69557	09:19:17 - 09:29:30	gap at MM
09/08/08	69557	08:39:42 - 08:51:58	gap at MA
09/08/08	69557	08:55:50 - 09:10:04	gap at JO
09/08/08	69558	10:59:27 - 11:11:16	gap at MM

09/08/08	69558	10:18:32 - 10:30:47	gap at MA
09/08/08	69561	14:52:56 - 15:05:33	gap at BE
09/08/08	69561	15:29:03 - 15:38:56	gap at CM
09/08/08	69562	17:37:41 - 17:50:13	gap at MM
09/08/08	69562	17:07:34 - 17:18:53	gap at CM
09/08/08	69563	19:16:51 - 19:29:30	gap at MM
09/08/08	69564	19:55:19 - 20:08:28	gap at MA
09/08/08	69565	21:34:46 - 21:47:38	gap at MA
09/08/08	69557	08:30:50 - 08:31:58	gap at KS
09/08/08	69558	10:10:27 - 10:11:38	gap at KS
09/08/08	69559	11:49:57 - 11:51:10	gap at KS
09/08/08	69560	13:28:59 - 13:30:06	gap at KS
09/08/08	69561	15:07:26 - 15:08:50	gap at KS
09/08/08	69562	16:45:03 - 16:46:19	gap at KS
09/08/08	69563	18:23:01 - 18:24:14	gap at KS
09/08/08	69558	10:24:53 - 10:26:09	gap at MS
09/08/08	69559	12:02:55 - 12:04:02	gap at MS
09/08/08	69554	03:14:04 - 03:18:10	gap at MI
09/08/08	69561	15:35:20 - 15:38:04	gap at MI
09/08/08	69562	17:14:00 - 17:16:11	gap at MI
09/08/08	69553	01:57:01 - 01:58:21	gap at BE
09/08/08	69554	03:46:51 - 03:56:43	gap at SG
09/08/08	69560	14:42:58 - 14:46:02	gap at SG
09/08/08	69560	14:54:21 - 14:55:35	gap at SG
09/08/08	69556	07:17:10 - 07:18:37	gap at JO
09/08/08	69557	08:55:50 - 08:57:22	gap at JO
10/08/08	69566	00:06:25 - 00:21:00	gap at HO
10/08/08	69566	00:17:40 - 00:28:53	gap at MM
10/08/08	69567	01:48:58 - 01:58:53	gap at HO
10/08/08	69567	01:59:54 - 02:09:10	gap at MM
10/08/08	69568	03:04:32 - 03:17:57	gap at BE
10/08/08	69568	03:15:37 - 03:29:25	gap at SG
10/08/08	69568	02:37:11 - 02:41:41	gap at CM
10/08/08	69568	04:11:58 - 04:24:21	gap at CM
10/08/08	69569	04:45:15 - 04:54:25	gap at BE
10/08/08	69569	04:57:53 - 05:05:11	gap at SG
10/08/08	69571	08:47:45 - 08:57:18	gap at MM
10/08/08	69571	08:09:14 - 08:19:15	gap at MA
10/08/08	69571	08:24:11 - 08:39:11	gap at JO
10/08/08	69572	10:27:59 - 10:39:24	gap at MM
10/08/08	69572	09:47:12 - 10:00:46	gap at MA
10/08/08	69572	10:08:17 - 10:14:45	gap at JO
10/08/08	69573	11:28:24 - 11:36:24	gap at MA
10/08/08	69575	14:21:13 - 14:34:34	gap at BE
10/08/08	69575	15:00:41 - 15:04:38	gap at CM
10/08/08	69576	16:05:11 - 16:11:05	gap at BE
10/08/08	69576	17:06:32 - 17:19:04	gap at MM
10/08/08	69576	16:35:57 - 16:48:19	gap at CM

10/08/08	69577	18:45:40 - 18:58:16	gap at MM
10/08/08	69578	19:27:03 - 19:36:24	gap at MA
10/08/08	69579	21:03:00 - 21:16:26	gap at MA
10/08/08	69579	22:25:28 - 22:35:15	gap at JO
10/08/08	69580	23:45:45 - 23:57:25	gap at MM
10/08/08	69571	07:59:32 - 08:00:38	gap at KS
10/08/08	69572	09:39:09 - 09:40:18	gap at KS
10/08/08	69573	11:18:42 - 11:19:53	gap at KS
10/08/08	69574	12:57:55 - 12:59:04	gap at KS
10/08/08	69575	14:36:40 - 14:37:54	gap at KS
10/08/08	69576	16:14:20 - 16:15:34	gap at KS
10/08/08	69577	17:52:14 - 17:53:39	gap at KS
10/08/08	69573	11:31:39 - 11:32:57	gap at MS
10/08/08	69574	13:12:35 - 13:13:46	gap at MS
10/08/08	69575	15:50:29 - 15:52:02	gap at SG
10/08/08	69570	06:47:35 - 06:52:47	gap at JO
10/08/08	69577	19:07:49 - 19:10:41	gap at JO
11/08/08	69581	01:27:40 - 01:37:37	gap at MM
11/08/08	69582	02:33:25 - 02:46:32	gap at BE
11/08/08	69582	03:40:59 - 03:53:02	gap at CM
11/08/08	69583	04:13:16 - 04:24:45	gap at BE
11/08/08	69584	05:49:59 - 05:52:29	gap at KS
11/08/08	69584	05:22:33 - 05:30:13	gap at CM
11/08/08	69585	08:16:11 - 08:25:00	gap at MM
11/08/08	69586	09:56:31 - 10:07:26	gap at MM
11/08/08	69586	09:16:23 - 09:29:28	gap at MA
11/08/08	69587	10:55:42 - 11:06:34	gap at MA
11/08/08	69589	14:56:02 - 15:08:43	gap at MM
11/08/08	69589	15:19:09 - 15:33:00	gap at SG
11/08/08	69590	15:31:18 - 15:41:39	gap at BE
11/08/08	69590	16:35:22 - 16:47:54	gap at MM
11/08/08	69590	16:01:55 - 16:15:18	gap at MI
11/08/08	69591	18:14:30 - 18:27:04	gap at MM
11/08/08	69591	17:44:13 - 17:50:06	gap at MI
11/08/08	69592	19:53:44 - 20:06:26	gap at MM
11/08/08	69593	20:31:36 - 20:45:19	gap at MA
11/08/08	69594	23:13:57 - 23:25:59	gap at MM
11/08/08	69586	09:07:50 - 09:08:58	gap at KS
11/08/08	69587	10:47:26 - 10:48:37	gap at KS
11/08/08	69588	12:26:48 - 12:27:57	gap at KS
11/08/08	69589	14:05:41 - 14:06:55	gap at KS
11/08/08	69590	15:43:38 - 15:44:53	gap at KS
11/08/08	69591	17:21:29 - 17:22:44	gap at KS
11/08/08	69590	15:56:03 - 15:57:05	gap at GS
11/08/08	69587	11:00:39 - 11:01:54	gap at MS
11/08/08	69588	12:40:15 - 12:41:24	gap at MS
11/08/08	69595	23:49:28 - 23:50:32	gap at MS
11/08/08	69592	18:58:20 - 19:00:33	gap at MA

11/08/08	69583	03:41:49 - 03:42:56	gap at MI
11/08/08	69593	21:33:26 - 21:34:41	gap at MM
11/08/08	69582	02:45:02 - 02:46:03	gap at SG
11/08/08	69585	07:53:07 - 07:54:24	gap at JO
11/08/08	69586	09:34:11 - 09:35:40	gap at JO
11/08/08	69593	21:53:06 - 21:54:37	gap at JO
12/08/08	69595	00:55:31 - 01:06:06	gap at MM
12/08/08	69595	00:06:32 - 00:11:21	gap at KS
12/08/08	69596	02:02:35 - 02:14:31	gap at BE
12/08/08	69596	02:38:07 - 02:46:30	gap at MM
12/08/08	69597	03:41:38 - 03:54:27	gap at BE
12/08/08	69597	04:21:12 - 04:27:26	gap at MM
12/08/08	69598	06:03:31 - 06:09:34	gap at MM
12/08/08	69599	07:44:35 - 07:52:39	gap at MM
12/08/08	69600	09:25:01 - 09:35:21	gap at MM
12/08/08	69601	11:05:10 - 11:17:03	gap at MM
12/08/08	69604	14:58:46 - 15:11:09	gap at BE
12/08/08	69604	16:04:10 - 16:16:45	gap at MM
12/08/08	69605	17:43:21 - 17:55:53	gap at MM
12/08/08	69607	21:02:01 - 21:14:44	gap at MM
12/08/08	69607	20:00:52 - 20:14:14	gap at MA
12/08/08	69608	22:42:15 - 22:54:34	gap at MM
12/08/08	69600	08:36:31 - 08:37:39	gap at KS
12/08/08	69601	10:16:09 - 10:17:19	gap at KS
12/08/08	69602	11:55:37 - 11:56:51	gap at KS
12/08/08	69603	13:34:37 - 13:35:47	gap at KS
12/08/08	69604	15:12:59 - 15:14:27	gap at KS
12/08/08	69605	16:50:36 - 16:51:56	gap at KS
12/08/08	69606	18:28:38 - 18:29:47	gap at KS
12/08/08	69596	01:37:20 - 01:38:29	gap at GS
12/08/08	69595	23:49:28 - 23:50:32	gap at MS
12/08/08	69601	10:30:22 - 10:31:37	gap at MS
12/08/08	69602	12:08:38 - 12:09:52	gap at MS
12/08/08	69600	08:45:29 - 08:48:47	gap at MA
12/08/08	69608	21:40:35 - 21:42:53	gap at MA
12/08/08	69603	14:48:28 - 14:51:41	gap at SG
12/08/08	69599	07:22:38 - 07:24:03	gap at JO
12/08/08	69600	09:01:39 - 09:03:08	gap at JO
12/08/08	69607	21:21:19 - 21:22:45	gap at JO
13/08/08	69609	00:23:28 - 00:34:37	gap at MM
13/08/08	69610	02:05:46 - 02:14:54	gap at MM
13/08/08	69612	04:51:07 - 04:59:43	gap at BE
13/08/08	69613	07:12:55 - 07:20:14	gap at MM
13/08/08	69614	08:53:29 - 09:03:10	gap at MM
13/08/08	69615	10:33:42 - 10:45:12	gap at MM
13/08/08	69616	12:13:42 - 12:26:11	gap at MM
13/08/08	69616	11:34:12 - 11:41:40	gap at MA
13/08/08	69617	13:53:28 - 14:06:12	gap at MM

13/08/08	69618	14:26:56 - 14:40:13	gap at BE
13/08/08	69618	15:32:58 - 15:45:35	gap at MM
13/08/08	69619	17:12:12 - 17:24:44	gap at MM
13/08/08	69621	20:30:41 - 20:43:25	gap at MM
13/08/08	69621	19:30:36 - 19:42:13	gap at MA
13/08/08	69622	22:04:35 - 22:15:08	gap at HO
13/08/08	69622	22:10:39 - 22:23:10	gap at MM
13/08/08	69622	22:31:28 - 22:40:26	gap at JO
13/08/08	69623	23:41:02 - 23:55:25	gap at HO
13/08/08	69623	23:51:33 - 00:03:09	gap at MM
13/08/08	69614	08:05:13 - 08:06:21	gap at KS
13/08/08	69615	09:44:50 - 09:45:59	gap at KS
13/08/08	69616	11:24:23 - 11:25:38	gap at KS
13/08/08	69617	13:03:35 - 13:04:44	gap at KS
13/08/08	69618	14:42:17 - 14:43:31	gap at KS
13/08/08	69619	16:19:57 - 16:21:10	gap at KS
13/08/08	69620	17:57:47 - 17:59:17	gap at KS
13/08/08	69616	11:37:20 - 11:38:39	gap at MS
13/08/08	69617	13:18:32 - 13:19:42	gap at MS
13/08/08	69614	08:14:39 - 08:16:39	gap at MA
13/08/08	69615	09:52:53 - 09:56:57	gap at MA
13/08/08	69622	21:08:48 - 21:10:04	gap at MA
13/08/08	69619	16:48:58 - 16:51:38	gap at MI
13/08/08	69620	18:51:20 - 18:52:20	gap at MM
13/08/08	69611	03:10:14 - 03:11:29	gap at BE
13/08/08	69618	15:56:15 - 15:57:28	gap at SG
13/08/08	69613	06:52:53 - 06:54:25	gap at JO
13/08/08	69614	08:29:54 - 08:31:25	gap at JO
14/08/08	69623	23:51:33 - 00:03:09	gap at MM
14/08/08	69624	01:33:31 - 01:43:21	gap at MM
14/08/08	69626	04:19:03 - 04:30:12	gap at BE
14/08/08	69626	03:47:33 - 04:00:44	gap at MI
14/08/08	69627	06:41:10 - 06:47:49	gap at MM
14/08/08	69627	05:55:25 - 05:59:51	gap at KS
14/08/08	69628	08:21:56 - 08:30:53	gap at MM
14/08/08	69629	10:02:14 - 10:13:15	gap at MM
14/08/08	69631	13:22:08 - 13:34:51	gap at MM
14/08/08	69632	13:55:39 - 14:09:01	gap at BE
14/08/08	69632	15:01:43 - 15:14:24	gap at MM
14/08/08	69633	15:37:19 - 15:47:07	gap at BE
14/08/08	69633	16:41:02 - 16:53:34	gap at MM
14/08/08	69634	18:20:10 - 18:32:45	gap at MM
14/08/08	69634	17:52:06 - 17:58:48	gap at CM
14/08/08	69635	19:59:25 - 20:12:08	gap at MM
14/08/08	69635	19:03:23 - 19:08:50	gap at MA
14/08/08	69636	21:39:09 - 21:51:47	gap at MM
14/08/08	69636	21:58:56 - 22:11:21	gap at JO
14/08/08	69637	23:19:43 - 23:31:42	gap at MM

14/08/08	69629	09:13:32 - 09:14:40	gap at KS
14/08/08	69630	10:53:08 - 10:54:18	gap at KS
14/08/08	69631	12:32:28 - 12:33:37	gap at KS
14/08/08	69632	14:11:20 - 14:12:35	gap at KS
14/08/08	69633	15:49:13 - 15:50:25	gap at KS
14/08/08	69634	17:27:07 - 17:28:21	gap at KS
14/08/08	69630	11:06:16 - 11:07:47	gap at MS
14/08/08	69631	12:46:07 - 12:47:19	gap at MS
14/08/08	69636	20:37:14 - 20:38:36	gap at MA
14/08/08	69625	02:39:03 - 02:40:23	gap at BE
14/08/08	69625	02:50:32 - 02:51:41	gap at SG
14/08/08	69625	02:55:20 - 03:03:30	gap at SG
14/08/08	69626	04:30:32 - 04:31:36	gap at SG
14/08/08	69626	04:38:40 - 04:41:41	gap at SG
14/08/08	69633	16:10:29 - 16:11:40	gap at CM
14/08/08	69627	06:24:28 - 06:26:11	gap at JO
14/08/08	69629	09:40:13 - 09:44:41	gap at JO
15/08/08	69638	01:01:21 - 01:11:50	gap at MM
15/08/08	69638	00:12:47 - 00:16:50	gap at KS
15/08/08	69639	01:43:03 - 01:46:00	gap at MI
15/08/08	69640	03:47:22 - 04:00:00	gap at BE
15/08/08	69640	04:27:05 - 04:33:14	gap at MM
15/08/08	69641	06:09:20 - 06:15:27	gap at MM
15/08/08	69642	07:50:20 - 07:58:32	gap at MM
15/08/08	69643	09:30:44 - 09:41:11	gap at MM
15/08/08	69643	09:07:30 - 09:21:11	gap at JO
15/08/08	69644	11:10:52 - 11:22:50	gap at MM
15/08/08	69646	14:30:27 - 14:43:10	gap at MM
15/08/08	69647	15:04:37 - 15:16:44	gap at BE
15/08/08	69647	16:09:51 - 16:22:25	gap at MM
15/08/08	69647	15:36:31 - 15:49:38	gap at MI
15/08/08	69647	16:34:24 - 16:45:00	gap at SG
15/08/08	69648	17:17:02 - 17:26:53	gap at MI
15/08/08	69649	19:28:11 - 19:40:52	gap at MM
15/08/08	69650	21:27:04 - 21:41:17	gap at JO
15/08/08	69651	22:48:00 - 23:00:16	gap at MM
15/08/08	69643	08:42:13 - 08:43:21	gap at KS
15/08/08	69644	10:21:50 - 10:23:01	gap at KS
15/08/08	69645	12:01:17 - 12:02:31	gap at KS
15/08/08	69646	13:40:16 - 13:41:27	gap at KS
15/08/08	69647	15:18:30 - 15:20:02	gap at KS
15/08/08	69648	16:56:11 - 16:57:29	gap at KS
15/08/08	69649	18:34:16 - 18:35:26	gap at KS
15/08/08	69644	10:35:51 - 10:37:07	gap at MS
15/08/08	69645	12:14:24 - 12:15:39	gap at MS
15/08/08	69650	20:06:25 - 20:07:40	gap at MA
15/08/08	69651	21:47:01 - 21:48:11	gap at MA
15/08/08	69648	17:49:01 - 17:50:20	gap at MM

15/08/08	69642	07:28:08 - 07:29:54	gap at JO
16/08/08	69652	00:17:43 - 00:32:21	gap at HO
16/08/08	69652	00:29:18 - 00:40:20	gap at MM
16/08/08	69653	02:01:23 - 02:09:30	gap at HO
16/08/08	69654	02:45:41 - 02:58:02	gap at MI
16/08/08	69655	04:57:01 - 05:04:59	gap at BE
16/08/08	69655	05:37:21 - 05:43:10	gap at MM
16/08/08	69655	04:25:23 - 04:36:54	gap at MI
16/08/08	69656	07:18:41 - 07:26:08	gap at MM
16/08/08	69658	10:39:26 - 10:51:00	gap at MM
16/08/08	69659	12:28:22 - 12:42:52	gap at HO
16/08/08	69659	11:40:00 - 11:46:53	gap at MA
16/08/08	69660	14:07:57 - 14:21:12	gap at HO
16/08/08	69660	13:59:09 - 14:11:53	gap at MM
16/08/08	69660	14:23:59 - 14:34:58	gap at SG
16/08/08	69661	14:32:41 - 14:45:52	gap at BE
16/08/08	69661	15:38:38 - 15:51:15	gap at MM
16/08/08	69661	15:05:55 - 15:17:36	gap at MI
16/08/08	69661	15:10:31 - 15:17:36	gap at CM
16/08/08	69662	16:44:54 - 16:57:08	gap at MI
16/08/08	69662	16:47:23 - 16:59:31	gap at CM
16/08/08	69663	19:18:19 - 19:28:33	gap at JO
16/08/08	69664	20:36:23 - 20:49:07	gap at MM
16/08/08	69664	20:55:35 - 21:10:34	gap at JO
16/08/08	69665	22:09:58 - 22:20:56	gap at HO
16/08/08	69665	22:16:23 - 22:28:52	gap at MM
16/08/08	69666	23:46:41 - 00:01:06	gap at HO
16/08/08	69666	23:57:20 - 00:08:52	gap at MM
16/08/08	69657	08:10:55 - 08:12:03	gap at KS
16/08/08	69658	09:50:32 - 09:51:45	gap at KS
16/08/08	69659	11:30:04 - 11:31:19	gap at KS
16/08/08	69660	13:09:14 - 13:10:22	gap at KS
16/08/08	69661	14:47:54 - 14:49:08	gap at KS
16/08/08	69662	16:25:34 - 16:26:48	gap at KS
16/08/08	69663	18:03:21 - 18:04:50	gap at KS
16/08/08	69658	10:06:04 - 10:07:05	gap at MS
16/08/08	69659	11:43:00 - 11:44:16	gap at MS
16/08/08	69660	13:24:37 - 13:25:43	gap at MS
16/08/08	69664	19:36:04 - 19:40:05	gap at MA
16/08/08	69665	21:14:32 - 21:15:51	gap at MA
16/08/08	69657	09:03:13 - 09:09:01	gap at MM
16/08/08	69659	12:25:25 - 12:31:55	gap at MM
16/08/08	69662	17:17:52 - 17:18:54	gap at MM
16/08/08	69662	17:25:03 - 17:30:23	gap at MM
16/08/08	69663	19:04:02 - 19:09:38	gap at MM
16/08/08	69654	03:15:55 - 03:17:11	gap at BE
16/08/08	69654	03:26:54 - 03:28:53	gap at SG
16/08/08	69660	14:23:59 - 14:25:00	gap at SG

16/08/08	69656	06:58:14 - 07:00:02	gap at JO
16/08/08	69657	08:35:37 - 08:38:22	gap at JO
16/08/08	69665	22:37:32 - 22:41:54	gap at JO
17/08/08	69666	23:46:41 - 00:01:06	gap at HO
17/08/08	69666	23:57:20 - 00:08:52	gap at MM
17/08/08	69667	01:27:36 - 01:39:37	gap at HO
17/08/08	69668	03:22:17 - 03:29:39	gap at MM
17/08/08	69668	02:15:51 - 02:25:58	gap at MI
17/08/08	69668	03:52:10 - 04:04:29	gap at CM
17/08/08	69669	04:24:50 - 04:35:38	gap at BE
17/08/08	69669	05:05:13 - 05:11:01	gap at MM
17/08/08	69669	03:53:18 - 04:06:21	gap at MI
17/08/08	69670	06:46:57 - 06:53:43	gap at MM
17/08/08	69670	06:00:56 - 06:06:04	gap at KS
17/08/08	69670	05:35:14 - 05:40:19	gap at CM
17/08/08	69671	08:27:40 - 08:36:46	gap at MM
17/08/08	69671	08:04:21 - 08:19:19	gap at JO
17/08/08	69672	10:07:58 - 10:19:04	gap at MM
17/08/08	69673	11:57:24 - 12:10:38	gap at HO
17/08/08	69674	13:36:22 - 13:50:57	gap at HO
17/08/08	69674	13:27:50 - 13:40:33	gap at MM
17/08/08	69675	14:01:18 - 14:14:42	gap at BE
17/08/08	69675	15:17:38 - 15:25:29	gap at HO
17/08/08	69675	15:07:24 - 15:20:04	gap at MM
17/08/08	69675	14:36:13 - 14:44:29	gap at MI
17/08/08	69676	15:43:23 - 15:52:33	gap at BE
17/08/08	69676	16:46:42 - 16:59:14	gap at MM
17/08/08	69676	16:13:18 - 16:26:35	gap at MI
17/08/08	69676	16:16:07 - 16:28:28	gap at CM
17/08/08	69677	18:25:50 - 18:38:25	gap at MM
17/08/08	69677	17:57:47 - 17:58:53	gap at MI
17/08/08	69677	17:58:21 - 18:03:46	gap at CM
17/08/08	69678	20:05:06 - 20:17:49	gap at MM
17/08/08	69678	20:24:28 - 20:39:17	gap at JO
17/08/08	69679	21:44:52 - 21:57:29	gap at MM
17/08/08	69679	20:42:54 - 20:56:36	gap at MA
17/08/08	69679	22:04:47 - 22:16:43	gap at JO
17/08/08	69680	23:15:43 - 23:29:47	gap at HO
17/08/08	69680	23:25:30 - 23:37:25	gap at MM
17/08/08	69672	09:19:13 - 09:20:24	gap at KS
17/08/08	69673	10:58:49 - 11:00:00	gap at KS
17/08/08	69674	12:38:07 - 12:39:17	gap at KS
17/08/08	69675	14:16:58 - 14:18:12	gap at KS
17/08/08	69676	15:54:48 - 15:55:59	gap at KS
17/08/08	69677	17:32:42 - 17:33:57	gap at KS
17/08/08	69673	11:11:53 - 11:13:08	gap at MS
17/08/08	69674	12:51:59 - 12:53:04	gap at MS
17/08/08	69678	19:08:33 - 19:09:51	gap at MA

17/08/08	69667	01:39:22 - 01:40:45	gap at MM
17/08/08	69673	11:52:16 - 12:00:19	gap at MM
17/08/08	69668	02:44:42 - 02:46:02	gap at BE
17/08/08	69668	02:56:04 - 02:59:06	gap at SG
17/08/08	69669	04:36:30 - 04:40:26	gap at SG
17/08/08	69675	15:30:28 - 15:31:41	gap at SG
17/08/08	69675	15:42:56 - 15:44:21	gap at SG
17/08/08	69670	06:29:27 - 06:32:00	gap at JO
17/08/08	69670	06:32:18 - 06:37:19	gap at JO
17/08/08	69672	09:46:18 - 09:48:15	gap at JO
18/08/08	69681	00:55:21 - 01:09:00	gap at HO
18/08/08	69681	01:07:11 - 01:17:33	gap at MM
18/08/08	69681	00:19:08 - 00:22:13	gap at KS
18/08/08	69682	01:47:35 - 01:52:38	gap at MI
18/08/08	69683	03:53:06 - 04:05:32	gap at BE
18/08/08	69683	04:32:58 - 04:39:02	gap at MM
18/08/08	69683	03:21:56 - 03:35:17	gap at MI
18/08/08	69683	03:21:41 - 03:32:48	gap at CM
18/08/08	69683	05:01:21 - 05:11:32	gap at CM
18/08/08	69684	06:15:08 - 06:21:20	gap at MM
18/08/08	69684	05:04:57 - 05:11:37	gap at MI
18/08/08	69685	07:56:05 - 08:04:25	gap at MM
18/08/08	69685	07:33:39 - 07:47:50	gap at JO
18/08/08	69686	09:36:28 - 09:47:02	gap at MM
18/08/08	69687	11:16:35 - 11:28:37	gap at MM
18/08/08	69688	13:05:03 - 13:19:53	gap at HO
18/08/08	69688	12:56:29 - 13:09:09	gap at MM
18/08/08	69689	14:45:30 - 14:55:43	gap at HO
18/08/08	69689	14:36:08 - 14:48:51	gap at MM
18/08/08	69689	14:59:32 - 15:12:58	gap at SG
18/08/08	69690	15:10:30 - 15:22:18	gap at BE
18/08/08	69690	16:15:31 - 16:28:05	gap at MM
18/08/08	69690	15:42:08 - 15:55:22	gap at MI
18/08/08	69690	16:40:25 - 16:50:18	gap at SG
18/08/08	69691	17:22:58 - 17:32:10	gap at MI
18/08/08	69692	19:33:52 - 19:46:33	gap at MM
18/08/08	69692	19:53:44 - 20:07:23	gap at JO
18/08/08	69693	21:13:26 - 21:26:08	gap at MM
18/08/08	69693	20:11:59 - 20:25:42	gap at MA
18/08/08	69693	21:32:49 - 21:46:48	gap at JO
18/08/08	69694	22:53:46 - 23:05:59	gap at MM
18/08/08	69694	21:52:54 - 22:04:22	gap at MA
18/08/08	69686	08:47:54 - 08:49:02	gap at KS
18/08/08	69687	10:27:32 - 10:28:42	gap at KS
18/08/08	69688	12:06:58 - 12:08:08	gap at KS
18/08/08	69689	13:45:54 - 13:47:07	gap at KS
18/08/08	69690	15:24:04 - 15:25:36	gap at KS
18/08/08	69691	17:01:47 - 17:03:04	gap at KS

18/08/08	69692	18:39:54 - 18:41:00	gap at KS
18/08/08	69694	22:00:46 - 22:01:47	gap at KS
18/08/08	69681	00:01:10 - 00:02:11	gap at MS
18/08/08	69687	10:41:22 - 10:42:36	gap at MS
18/08/08	69688	12:20:09 - 12:21:26	gap at MS
18/08/08	69695	23:29:13 - 23:30:19	gap at MS
18/08/08	69682	02:49:53 - 02:56:41	gap at MM
18/08/08	69691	17:54:41 - 17:56:07	gap at MM
18/08/08	69691	17:59:01 - 18:07:14	gap at MM
18/08/08	69682	02:13:45 - 02:17:58	gap at BE
18/08/08	69682	02:31:58 - 02:37:04	gap at SG
18/08/08	69683	04:12:09 - 04:17:09	gap at SG
18/08/08	69691	17:25:06 - 17:29:22	gap at CM
18/08/08	69686	09:13:23 - 09:16:35	gap at JO
18/08/08	69686	09:17:16 - 09:26:43	gap at JO
18/08/08	69693	21:32:49 - 21:35:11	gap at JO
19/08/08	69695	00:35:07 - 00:46:04	gap at MM
19/08/08	69696	01:43:12 - 01:53:46	gap at BE
19/08/08	69696	02:17:31 - 02:26:23	gap at MM
19/08/08	69697	03:21:37 - 03:34:53	gap at BE
19/08/08	69697	04:00:36 - 04:07:10	gap at MM
19/08/08	69697	02:51:12 - 03:03:49	gap at MI
19/08/08	69698	05:43:11 - 05:49:02	gap at MM
19/08/08	69698	04:31:19 - 04:42:23	gap at MI
19/08/08	69699	07:24:26 - 07:32:02	gap at MM
19/08/08	69699	07:03:36 - 07:15:57	gap at JO
19/08/08	69700	09:04:57 - 09:14:53	gap at MM
19/08/08	69701	10:45:09 - 10:56:48	gap at MM
19/08/08	69702	11:45:54 - 11:52:02	gap at MA
19/08/08	69703	14:04:51 - 14:17:35	gap at MM
19/08/08	69704	14:38:27 - 14:51:30	gap at BE
19/08/08	69704	15:44:19 - 15:56:55	gap at MM
19/08/08	69704	15:11:26 - 15:23:29	gap at MI
19/08/08	69704	16:07:51 - 16:20:36	gap at SG
19/08/08	69705	16:50:41 - 17:02:37	gap at MI
19/08/08	69706	19:02:40 - 19:15:18	gap at MM
19/08/08	69706	19:23:40 - 19:34:38	gap at JO
19/08/08	69707	20:42:04 - 20:54:48	gap at MM
19/08/08	69707	19:41:33 - 19:53:48	gap at MA
19/08/08	69707	21:01:17 - 21:16:12	gap at JO
19/08/08	69708	22:22:08 - 22:34:35	gap at MM
19/08/08	69708	22:43:41 - 22:50:33	gap at JO
19/08/08	69709	23:52:19 - 00:06:48	gap at HO
19/08/08	69709	22:57:55 - 23:11:19	gap at MS
19/08/08	69709	23:11:51 - 23:20:54	gap at KS
19/08/08	69700	08:16:36 - 08:17:44	gap at KS
19/08/08	69701	09:56:14 - 09:57:23	gap at KS
19/08/08	69702	11:35:45 - 11:36:58	gap at KS

19/08/08	69703	13:14:53 - 13:16:02	gap at KS
19/08/08	69704	14:53:31 - 14:54:45	gap at KS
19/08/08	69705	16:31:09 - 16:32:23	gap at KS
19/08/08	69706	18:08:58 - 18:10:20	gap at KS
19/08/08	69701	10:11:18 - 10:12:34	gap at MS
19/08/08	69702	11:48:38 - 11:49:54	gap at MS
19/08/08	69708	21:20:18 - 21:21:45	gap at MA
19/08/08	69702	12:29:23 - 12:37:39	gap at MM
19/08/08	69705	17:23:32 - 17:24:45	gap at MM
19/08/08	69703	14:29:21 - 14:30:44	gap at SG
19/08/08	69697	04:29:10 - 04:31:36	gap at CM
19/08/08	69700	08:41:22 - 08:42:51	gap at JO
20/08/08	69711	03:28:11 - 03:35:25	gap at MM
20/08/08	69711	02:21:12 - 02:31:51	gap at MI
20/08/08	69711	03:01:37 - 03:15:05	gap at SG
20/08/08	69712	04:30:39 - 04:41:02	gap at BE
20/08/08	69712	05:11:05 - 05:16:52	gap at MM
20/08/08	69712	03:59:05 - 04:11:57	gap at MI
20/08/08	69713	06:06:28 - 06:12:13	gap at KS
20/08/08	69714	07:55:59 - 08:01:45	gap at MA
20/08/08	69716	11:53:43 - 12:06:04	gap at MM
20/08/08	69717	13:33:32 - 13:46:15	gap at MM
20/08/08	69718	14:06:58 - 14:20:23	gap at BE
20/08/08	69718	15:13:05 - 15:25:44	gap at MM
20/08/08	69718	14:41:30 - 14:50:38	gap at MI
20/08/08	69718	15:36:10 - 15:49:59	gap at SG
20/08/08	69719	15:49:31 - 15:57:56	gap at BE
20/08/08	69719	16:19:01 - 16:32:11	gap at MI
20/08/08	69720	18:31:30 - 18:44:05	gap at MM
20/08/08	69721	20:10:47 - 20:23:30	gap at MM
20/08/08	69721	19:13:16 - 19:21:17	gap at MA
20/08/08	69722	21:46:15 - 21:54:40	gap at HO
20/08/08	69722	21:50:36 - 22:03:12	gap at MM
20/08/08	69722	20:48:34 - 21:02:17	gap at MA
20/08/08	69723	22:32:49 - 22:39:50	gap at MA
20/08/08	69715	09:24:55 - 09:26:03	gap at KS
20/08/08	69716	11:04:30 - 11:05:41	gap at KS
20/08/08	69717	12:43:47 - 12:44:57	gap at KS
20/08/08	69718	14:22:36 - 14:23:50	gap at KS
20/08/08	69719	16:00:23 - 16:01:34	gap at KS
20/08/08	69720	17:38:18 - 17:39:35	gap at KS
20/08/08	69716	11:17:31 - 11:18:47	gap at MS
20/08/08	69717	12:57:51 - 12:59:02	gap at MS
20/08/08	69711	02:50:22 - 02:53:37	gap at BE
20/08/08	69713	06:34:33 - 06:36:08	gap at JO
20/08/08	69714	08:10:00 - 08:11:49	gap at JO
20/08/08	69715	09:52:27 - 09:54:05	gap at JO
20/08/08	69722	22:10:39 - 22:13:24	gap at JO

21/08/08	69724	01:13:02 - 01:23:17	gap at MM
21/08/08	69724	00:25:42 - 00:27:23	gap at KS
21/08/08	69725	02:19:21 - 02:32:03	gap at BE
21/08/08	69725	02:55:46 - 03:03:45	gap at MM
21/08/08	69725	01:52:29 - 01:58:54	gap at MI
21/08/08	69726	03:58:51 - 04:11:03	gap at BE
21/08/08	69726	04:38:50 - 04:44:50	gap at MM
21/08/08	69726	03:27:35 - 03:40:58	gap at MI
21/08/08	69727	05:11:27 - 05:16:34	gap at MI
21/08/08	69731	13:02:11 - 13:14:52	gap at MM
21/08/08	69732	14:41:50 - 14:54:32	gap at MM
21/08/08	69733	15:16:24 - 15:27:51	gap at BE
21/08/08	69733	15:47:46 - 16:01:05	gap at MI
21/08/08	69733	16:46:30 - 16:55:31	gap at SG
21/08/08	69733	15:50:58 - 16:02:31	gap at CM
21/08/08	69734	18:00:21 - 18:12:54	gap at MM
21/08/08	69734	17:28:57 - 17:37:24	gap at MI
21/08/08	69735	19:39:32 - 19:52:14	gap at MM
21/08/08	69735	18:44:46 - 18:48:51	gap at MA
21/08/08	69735	19:59:17 - 20:13:14	gap at JO
21/08/08	69736	21:19:09 - 21:31:50	gap at MM
21/08/08	69736	20:17:34 - 20:31:22	gap at MA
21/08/08	69737	22:50:51 - 23:04:01	gap at HO
21/08/08	69737	22:59:32 - 23:11:42	gap at MM
21/08/08	69737	21:58:48 - 22:09:54	gap at MA
21/08/08	69728	07:14:06 - 07:16:13	gap at KS
21/08/08	69729	08:53:36 - 08:54:45	gap at KS
21/08/08	69730	10:33:13 - 10:34:23	gap at KS
21/08/08	69731	12:12:38 - 12:13:49	gap at KS
21/08/08	69732	13:51:32 - 13:52:47	gap at KS
21/08/08	69733	15:29:40 - 15:31:04	gap at KS
21/08/08	69734	17:07:22 - 17:08:34	gap at KS
21/08/08	69735	18:45:33 - 18:46:36	gap at KS
21/08/08	69730	10:46:51 - 10:48:05	gap at MS
21/08/08	69731	12:25:52 - 12:27:10	gap at MS
21/08/08	69725	02:31:24 - 02:36:02	gap at SG
21/08/08	69726	04:09:58 - 04:16:24	gap at SG
21/08/08	69732	15:05:07 - 15:06:11	gap at SG
21/08/08	69732	15:17:34 - 15:18:43	gap at SG
21/08/08	69728	07:39:11 - 07:40:31	gap at JO
21/08/08	69729	09:19:17 - 09:20:49	gap at JO
22/08/08	69738	00:29:05 - 00:43:42	gap at HO
22/08/08	69739	01:48:43 - 01:59:44	gap at BE
22/08/08	69739	02:23:24 - 02:32:08	gap at MM
22/08/08	69739	02:02:34 - 02:09:37	gap at SG
22/08/08	69740	04:06:29 - 04:12:57	gap at MM
22/08/08	69740	02:56:44 - 03:09:34	gap at MI
22/08/08	69740	03:38:16 - 03:52:04	gap at SG

22/08/08	69741	04:37:18 - 04:47:49	gap at MI
22/08/08	69742	07:09:01 - 07:21:47	gap at JO
22/08/08	69743	08:47:08 - 09:01:41	gap at JO
22/08/08	69744	10:50:52 - 11:02:36	gap at MM
22/08/08	69745	12:30:49 - 12:43:23	gap at MM
22/08/08	69745	11:51:59 - 11:57:05	gap at MA
22/08/08	69747	14:44:14 - 14:57:07	gap at BE
22/08/08	69747	15:16:58 - 15:29:21	gap at MI
22/08/08	69747	16:13:41 - 16:26:05	gap at SG
22/08/08	69748	17:29:12 - 17:41:43	gap at MM
22/08/08	69748	16:56:30 - 17:08:04	gap at MI
22/08/08	69749	19:08:20 - 19:20:59	gap at MM
22/08/08	69749	19:29:04 - 19:40:41	gap at JO
22/08/08	69750	20:47:46 - 21:00:30	gap at MM
22/08/08	69750	21:07:00 - 21:21:48	gap at JO
22/08/08	69743	08:22:18 - 08:23:25	gap at KS
22/08/08	69744	10:01:55 - 10:03:06	gap at KS
22/08/08	69745	11:41:26 - 11:42:39	gap at KS
22/08/08	69746	13:20:31 - 13:21:40	gap at KS
22/08/08	69747	14:59:05 - 15:00:21	gap at KS
22/08/08	69748	16:36:42 - 16:37:56	gap at KS
22/08/08	69749	18:14:35 - 18:15:58	gap at KS
22/08/08	69744	10:16:43 - 10:17:58	gap at MS
22/08/08	69745	11:54:16 - 11:56:08	gap at MS
22/08/08	69750	19:47:03 - 19:48:18	gap at MA
22/08/08	69751	21:26:04 - 21:27:34	gap at MA
22/08/08	69746	14:10:32 - 14:18:13	gap at MM
22/08/08	69746	14:18:19 - 14:23:16	gap at MM
22/08/08	69740	03:27:20 - 03:28:35	gap at BE
22/08/08	69746	14:34:46 - 14:36:55	gap at SG
22/08/08	69740	02:57:28 - 02:59:02	gap at CM
22/08/08	69748	16:58:53 - 17:00:31	gap at CM
23/08/08	69753	01:51:06 - 02:00:33	gap at MM
23/08/08	69754	02:56:02 - 03:09:26	gap at BE
23/08/08	69754	03:34:05 - 03:41:11	gap at MM
23/08/08	69754	02:26:35 - 02:37:42	gap at MI
23/08/08	69754	03:07:12 - 03:20:50	gap at SG
23/08/08	69755	04:36:28 - 04:46:25	gap at BE
23/08/08	69755	05:16:55 - 05:22:42	gap at MM
23/08/08	69755	04:04:52 - 04:17:32	gap at MI
23/08/08	69757	08:01:42 - 08:10:09	gap at MA
23/08/08	69759	11:59:26 - 12:11:49	gap at MM
23/08/08	69760	13:39:14 - 13:51:57	gap at MM
23/08/08	69761	14:12:39 - 14:26:04	gap at BE
23/08/08	69761	14:46:51 - 14:56:43	gap at MI
23/08/08	69762	15:55:42 - 16:03:16	gap at BE
23/08/08	69762	16:58:02 - 17:10:34	gap at MM
23/08/08	69762	16:24:45 - 16:37:46	gap at MI

23/08/08	69762	16:27:25 - 16:39:50	gap at CM
23/08/08	69763	18:37:10 - 18:49:46	gap at MM
23/08/08	69764	20:16:28 - 20:29:12	gap at MM
23/08/08	69764	19:19:03 - 19:27:39	gap at MA
23/08/08	69764	20:35:44 - 20:50:43	gap at JO
23/08/08	69766	22:39:11 - 22:45:05	gap at MA
23/08/08	69757	07:51:01 - 07:52:08	gap at KS
23/08/08	69758	09:30:36 - 09:31:46	gap at KS
23/08/08	69759	11:10:11 - 11:11:21	gap at KS
23/08/08	69760	12:49:27 - 12:50:35	gap at KS
23/08/08	69761	14:28:14 - 14:29:28	gap at KS
23/08/08	69762	16:05:58 - 16:07:09	gap at KS
23/08/08	69763	17:43:53 - 17:45:07	gap at KS
23/08/08	69759	11:23:09 - 11:24:26	gap at MS
23/08/08	69760	13:03:45 - 13:05:04	gap at MS
23/08/08	69765	20:54:15 - 20:55:35	gap at MA
23/08/08	69765	21:56:19 - 21:57:23	gap at MM
23/08/08	69761	15:41:52 - 15:43:12	gap at SG
23/08/08	69756	06:39:43 - 06:41:15	gap at JO
23/08/08	69757	08:15:39 - 08:17:26	gap at JO
23/08/08	69763	19:00:16 - 19:02:01	gap at JO
23/08/08	69765	22:16:33 - 22:18:04	gap at JO
24/08/08	69767	01:18:53 - 01:29:01	gap at MM
24/08/08	69768	03:01:40 - 03:09:30	gap at MM
24/08/08	69768	01:57:32 - 02:05:02	gap at MI
24/08/08	69769	04:04:36 - 04:16:33	gap at BE
24/08/08	69769	04:44:42 - 04:50:39	gap at MM
24/08/08	69769	03:33:16 - 03:46:38	gap at MI
24/08/08	69769	05:13:22 - 05:22:18	gap at CM
24/08/08	69770	05:18:28 - 05:21:00	gap at MI
24/08/08	69773	11:28:01 - 11:40:09	gap at MM
24/08/08	69774	13:07:53 - 13:20:34	gap at MM
24/08/08	69775	14:57:09 - 15:06:27	gap at HO
24/08/08	69775	14:47:31 - 15:00:12	gap at MM
24/08/08	69775	14:19:11 - 14:21:27	gap at MI
24/08/08	69776	15:22:20 - 15:33:23	gap at BE
24/08/08	69776	16:26:52 - 16:39:25	gap at MM
24/08/08	69776	15:53:25 - 16:06:47	gap at MI
24/08/08	69776	16:52:40 - 17:00:40	gap at SG
24/08/08	69776	15:56:31 - 16:08:20	gap at CM
24/08/08	69777	18:06:01 - 18:18:34	gap at MM
24/08/08	69777	17:34:59 - 17:42:34	gap at MI
24/08/08	69777	17:36:57 - 17:45:51	gap at CM
24/08/08	69778	19:45:13 - 19:57:55	gap at MM
24/08/08	69778	20:04:51 - 20:19:04	gap at JO
24/08/08	69779	21:24:51 - 21:37:32	gap at MM
24/08/08	69779	20:23:10 - 20:36:57	gap at MA
24/08/08	69780	23:05:17 - 23:17:25	gap at MM

24/08/08	69780	22:05:21 - 22:15:25	gap at MA
24/08/08	69772	08:59:17 - 09:00:26	gap at KS
24/08/08	69773	10:38:54 - 10:40:05	gap at KS
24/08/08	69774	12:18:18 - 12:19:27	gap at KS
24/08/08	69775	13:57:12 - 13:58:26	gap at KS
24/08/08	69776	15:35:15 - 15:36:36	gap at KS
24/08/08	69777	17:13:03 - 17:14:18	gap at KS
24/08/08	69778	18:51:11 - 18:52:13	gap at KS
24/08/08	69773	10:52:20 - 10:53:36	gap at MS
24/08/08	69774	12:31:36 - 12:32:53	gap at MS
24/08/08	69778	18:50:20 - 18:52:08	gap at MA
24/08/08	69768	02:24:58 - 02:26:14	gap at BE
24/08/08	69771	07:44:45 - 07:46:15	gap at JO
24/08/08	69772	09:25:13 - 09:26:42	gap at JO
24/08/08	69779	21:44:23 - 21:45:57	gap at JO
25/08/08	69781	00:46:46 - 00:57:31	gap at MM
25/08/08	69782	01:54:15 - 02:05:40	gap at BE
25/08/08	69782	02:29:17 - 02:37:52	gap at MM
25/08/08	69783	04:12:22 - 04:18:44	gap at MM
25/08/08	69783	03:02:18 - 03:15:18	gap at MI
25/08/08	69783	04:40:45 - 04:52:20	gap at CM
25/08/08	69784	05:54:49 - 06:00:46	gap at MM
25/08/08	69784	04:43:19 - 04:53:13	gap at MI
25/08/08	69785	07:35:57 - 07:43:49	gap at MM
25/08/08	69786	09:16:25 - 09:26:35	gap at MM
25/08/08	69787	10:56:35 - 11:08:23	gap at MM
25/08/08	69788	12:36:32 - 12:49:07	gap at MM
25/08/08	69789	14:16:14 - 14:28:57	gap at MM
25/08/08	69790	14:50:02 - 15:02:44	gap at BE
25/08/08	69790	15:55:40 - 16:08:15	gap at MM
25/08/08	69790	15:22:32 - 15:35:10	gap at MI
25/08/08	69790	16:19:34 - 16:31:32	gap at SG
25/08/08	69790	15:26:21 - 15:35:56	gap at CM
25/08/08	69791	17:34:52 - 17:47:23	gap at MM
25/08/08	69791	17:02:20 - 17:13:29	gap at MI
25/08/08	69791	17:04:40 - 17:16:08	gap at CM
25/08/08	69792	19:14:01 - 19:26:40	gap at MM
25/08/08	69792	19:34:30 - 19:46:40	gap at JO
25/08/08	69793	20:53:28 - 21:06:12	gap at MM
25/08/08	69793	19:52:34 - 20:05:33	gap at MA
25/08/08	69794	22:33:37 - 22:46:00	gap at MM
25/08/08	69794	21:31:52 - 21:44:50	gap at MA
25/08/08	69786	08:27:59 - 08:29:07	gap at KS
25/08/08	69787	10:07:37 - 10:08:47	gap at KS
25/08/08	69788	11:47:06 - 11:48:20	gap at KS
25/08/08	69789	13:26:10 - 13:27:18	gap at KS
25/08/08	69790	15:04:40 - 15:06:01	gap at KS
25/08/08	69791	16:42:16 - 16:43:31	gap at KS

25/08/08	69792	18:20:12 - 18:21:27	gap at KS
25/08/08	69787	10:22:09 - 10:23:24	gap at MS
25/08/08	69788	12:00:02 - 12:01:16	gap at MS
25/08/08	69795	23:09:13 - 23:10:14	gap at MS
25/08/08	69783	03:33:02 - 03:34:17	gap at BE
25/08/08	69783	03:43:59 - 03:48:14	gap at SG
25/08/08	69789	14:40:14 - 14:43:06	gap at SG
25/08/08	69785	07:14:27 - 07:15:56	gap at JO
25/08/08	69786	08:52:56 - 08:54:24	gap at JO
25/08/08	69793	21:12:43 - 21:14:15	gap at JO
25/08/08	69793	21:21:55 - 21:27:24	gap at JO
26/08/08	69795	00:03:36 - 00:18:10	gap at HO
26/08/08	69795	00:14:45 - 00:26:02	gap at MM
26/08/08	69796	01:45:47 - 01:56:09	gap at HO
26/08/08	69796	01:56:58 - 02:06:18	gap at MM
26/08/08	69797	03:39:58 - 03:46:57	gap at MM
26/08/08	69797	02:32:00 - 02:43:32	gap at MI
26/08/08	69797	03:12:48 - 03:26:33	gap at SG
26/08/08	69798	04:42:19 - 04:51:45	gap at BE
26/08/08	69798	05:22:46 - 05:28:32	gap at MM
26/08/08	69798	04:10:42 - 04:23:06	gap at MI
26/08/08	69798	04:54:46 - 05:02:40	gap at SG
26/08/08	69799	07:04:16 - 07:11:24	gap at MM
26/08/08	69799	06:44:57 - 06:55:21	gap at JO
26/08/08	69800	08:44:53 - 08:54:22	gap at MM
26/08/08	69800	08:06:33 - 08:16:14	gap at MA
26/08/08	69800	08:21:20 - 08:36:21	gap at JO
26/08/08	69801	10:25:08 - 10:36:30	gap at MM
26/08/08	69802	12:05:08 - 12:17:34	gap at MM
26/08/08	69803	13:44:55 - 13:57:39	gap at MM
26/08/08	69804	14:18:21 - 14:31:44	gap at BE
26/08/08	69804	15:24:27 - 15:37:05	gap at MM
26/08/08	69804	14:52:15 - 15:02:44	gap at MI
26/08/08	69805	16:02:00 - 16:08:31	gap at BE
26/08/08	69805	17:03:42 - 17:16:14	gap at MM
26/08/08	69805	16:30:29 - 16:43:20	gap at MI
26/08/08	69806	18:42:50 - 18:55:26	gap at MM
26/08/08	69807	20:22:09 - 20:34:53	gap at MM
26/08/08	69807	19:24:22 - 19:33:29	gap at MA
26/08/08	69807	20:41:24 - 20:56:25	gap at JO
26/08/08	69808	22:02:03 - 22:14:36	gap at MM
26/08/08	69808	22:22:29 - 22:32:38	gap at JO
26/08/08	69809	23:42:51 - 23:54:34	gap at MM
26/08/08	69809	22:45:40 - 22:50:13	gap at MA
26/08/08	69800	07:56:42 - 07:57:49	gap at KS
26/08/08	69801	09:36:18 - 09:37:27	gap at KS
26/08/08	69802	11:15:52 - 11:17:02	gap at KS
26/08/08	69803	12:55:06 - 12:56:14	gap at KS

26/08/08	69804	14:33:51 - 14:35:05	gap at KS
26/08/08	69805	16:11:32 - 16:12:46	gap at KS
26/08/08	69806	17:49:27 - 17:50:48	gap at KS
26/08/08	69802	11:28:48 - 11:30:05	gap at MS
26/08/08	69803	13:09:38 - 13:10:51	gap at MS
26/08/08	69809	22:38:18 - 22:39:26	gap at MS
26/08/08	69808	21:00:04 - 21:01:26	gap at MA
26/08/08	69797	03:01:42 - 03:02:59	gap at BE
26/08/08	69804	15:47:36 - 15:51:26	gap at SG
26/08/08	69805	16:33:06 - 16:35:17	gap at CM
26/08/08	69801	10:05:02 - 10:06:45	gap at JO
26/08/08	69806	19:05:16 - 19:06:56	gap at JO
27/08/08	69811 - 69814	~01:56 - ~ 07:30	data gap due to instrument switch-off (see unavailability report ERS2-UNA2008/030)
27/08/08	69814	08:13:19 - 08:22:04	gap at MM
27/08/08	69814	07:11:04 - 07:18:15	gap at PS
27/08/08	69815	09:53:39 - 10:04:31	gap at MM
27/08/08	69816	11:33:44 - 11:45:55	gap at MM
27/08/08	69817	13:13:35 - 13:26:17	gap at MM
27/08/08	69818	14:53:12 - 15:05:53	gap at MM
27/08/08	69818	14:23:33 - 14:28:32	gap at MI
27/08/08	69818	15:16:20 - 15:30:09	gap at SG
27/08/08	69819	15:28:18 - 15:38:54	gap at BE
27/08/08	69819	16:32:32 - 16:45:04	gap at MM
27/08/08	69819	15:59:05 - 16:12:28	gap at MI
27/08/08	69820	18:11:41 - 18:24:14	gap at MM
27/08/08	69820	17:41:07 - 17:47:37	gap at MI
27/08/08	69821	19:50:54 - 20:03:36	gap at MM
27/08/08	69821	18:55:53 - 19:00:17	gap at MA
27/08/08	69821	20:10:26 - 20:24:52	gap at JO
27/08/08	69822	21:30:34 - 21:43:14	gap at MM
27/08/08	69823	23:11:04 - 23:23:07	gap at MM
27/08/08	69823	22:08:02 - 22:19:19	gap at MS
27/08/08	69823	22:11:22 - 22:20:55	gap at MA
27/08/08	69823	22:18:24 - 22:29:52	gap at KS
27/08/08	69824	23:46:33 - 23:59:20	gap at MS
27/08/08	69814	07:25:27 - 07:33:06	gap at KS
27/08/08	69815	09:04:59 - 09:06:08	gap at KS
27/08/08	69816	10:44:36 - 10:45:46	gap at KS
27/08/08	69817	12:23:58 - 12:25:07	gap at KS
27/08/08	69818	14:02:51 - 14:04:06	gap at KS
27/08/08	69819	15:40:50 - 15:42:07	gap at KS
27/08/08	69820	17:18:41 - 17:19:54	gap at KS
27/08/08	69816	10:57:45 - 10:59:01	gap at MS
27/08/08	69817	12:37:22 - 12:38:30	gap at MS
27/08/08	69822	20:28:47 - 20:30:03	gap at MA
27/08/08	69814	07:50:19 - 07:51:45	gap at JO

27/08/08	69815	09:31:11 - 09:32:42	gap at JO
28/08/08	69824	00:52:36 - 01:03:14	gap at MM
28/08/08	69825	01:59:48 - 02:11:35	gap at BE
28/08/08	69825	02:35:10 - 02:43:37	gap at MM
28/08/08	69826	03:38:46 - 03:51:40	gap at BE
28/08/08	69826	04:18:15 - 04:24:32	gap at MM
28/08/08	69826	03:07:53 - 03:21:02	gap at MI
28/08/08	69827	06:00:37 - 06:06:38	gap at MM
28/08/08	69827	04:49:23 - 04:58:34	gap at MI
28/08/08	69828	07:41:42 - 07:49:42	gap at MM
28/08/08	69829	09:22:09 - 09:32:26	gap at MM
28/08/08	69830	11:02:18 - 11:14:10	gap at MM
28/08/08	69831	12:42:14 - 12:54:50	gap at MM
28/08/08	69832	14:21:55 - 14:34:38	gap at MM
28/08/08	69833	14:55:51 - 15:08:21	gap at BE
28/08/08	69833	16:01:20 - 16:13:55	gap at MM
28/08/08	69833	15:28:07 - 15:40:58	gap at MI
28/08/08	69833	16:25:28 - 16:36:57	gap at SG
28/08/08	69834	17:40:31 - 17:53:03	gap at MM
28/08/08	69834	17:08:12 - 17:18:52	gap at MI
28/08/08	69835	19:19:41 - 19:32:20	gap at MM
28/08/08	69835	19:39:58 - 19:52:38	gap at JO
28/08/08	69836	20:59:10 - 21:11:53	gap at MM
28/08/08	69837	22:39:22 - 22:51:42	gap at MM
28/08/08	69837	21:37:41 - 21:50:26	gap at MA
28/08/08	69829	08:33:40 - 08:34:48	gap at KS
28/08/08	69830	10:13:18 - 10:14:29	gap at KS
28/08/08	69831	11:52:47 - 11:54:01	gap at KS
28/08/08	69832	13:31:48 - 13:32:57	gap at KS
28/08/08	69833	15:10:13 - 15:11:38	gap at KS
28/08/08	69834	16:47:50 - 16:49:07	gap at KS
28/08/08	69835	18:25:49 - 18:27:00	gap at KS
28/08/08	69830	10:27:38 - 10:28:55	gap at MS
28/08/08	69831	12:05:46 - 12:06:55	gap at MS
28/08/08	69830	10:21:21 - 10:22:44	gap at MA
28/08/08	69830	10:22:46 - 10:33:34	gap at MA
28/08/08	69836	19:58:05 - 19:59:23	gap at MA
28/08/08	69825	02:18:59 - 02:22:01	gap at SG
28/08/08	69832	14:45:43 - 14:48:59	gap at SG
28/08/08	69828	07:19:54 - 07:21:19	gap at JO
28/08/08	69829	08:58:44 - 09:00:23	gap at JO
28/08/08	69829	09:10:32 - 09:12:51	gap at JO
29/08/08	69838	00:20:34 - 00:31:45	gap at MM
29/08/08	69839	02:02:50 - 02:12:02	gap at MM
29/08/08	69840	03:45:52 - 03:52:43	gap at MM
29/08/08	69840	02:37:27 - 02:49:21	gap at MI
29/08/08	69840	03:18:25 - 03:32:16	gap at SG
29/08/08	69841	04:48:11 - 04:57:04	gap at BE

29/08/08	69841	05:28:36 - 05:34:23	gap at MM
29/08/08	69841	04:16:33 - 04:28:38	gap at MI
29/08/08	69842	07:10:02 - 07:17:18	gap at MM
29/08/08	69843	08:50:37 - 09:00:14	gap at MM
29/08/08	69844	10:30:51 - 10:42:18	gap at MM
29/08/08	69845	12:10:51 - 12:23:18	gap at MM
29/08/08	69846	13:50:37 - 14:03:21	gap at MM
29/08/08	69847	14:24:04 - 14:37:23	gap at BE
29/08/08	69847	15:30:07 - 15:42:45	gap at MM
29/08/08	69847	14:57:42 - 15:08:43	gap at MI
29/08/08	69848	17:09:22 - 17:21:54	gap at MM
29/08/08	69848	16:36:14 - 16:48:52	gap at MI
29/08/08	69849	18:48:30 - 19:01:07	gap at MM
29/08/08	69850	20:27:50 - 20:40:34	gap at MM
29/08/08	69851	22:07:47 - 22:20:19	gap at MM
29/08/08	69851	21:05:56 - 21:19:16	gap at MA
29/08/08	69851	22:28:28 - 22:37:51	gap at JO
29/08/08	69852	23:48:39 - 00:00:17	gap at MM
29/08/08	69843	08:02:23 - 08:03:29	gap at KS
29/08/08	69844	09:42:00 - 09:43:12	gap at KS
29/08/08	69845	11:21:33 - 11:22:47	gap at KS
29/08/08	69846	13:00:45 - 13:01:54	gap at KS
29/08/08	69847	14:39:28 - 14:40:42	gap at KS
29/08/08	69848	16:17:09 - 16:18:26	gap at KS
29/08/08	69849	17:55:00 - 17:56:28	gap at KS
29/08/08	69845	11:34:30 - 11:35:49	gap at MS
29/08/08	69846	13:15:33 - 13:16:43	gap at MS
29/08/08	69850	19:27:53 - 19:29:08	gap at MA
29/08/08	69840	03:07:23 - 03:08:35	gap at BE
29/08/08	69847	15:53:22 - 15:54:44	gap at SG
29/08/08	69842	06:50:14 - 06:51:45	gap at JO
29/08/08	69843	08:27:02 - 08:28:34	gap at JO
30/08/08	69852	23:48:39 - 00:00:17	gap at MM
30/08/08	69853	01:30:35 - 01:40:29	gap at MM
30/08/08	69853	00:35:33 - 00:42:46	gap at GS
30/08/08	69854	02:36:14 - 02:49:24	gap at BE
30/08/08	69854	03:13:27 - 03:21:01	gap at MM
30/08/08	69854	02:07:55 - 02:17:04	gap at MI
30/08/08	69854	02:47:47 - 03:00:36	gap at SG
30/08/08	69854	03:43:47 - 03:55:54	gap at CM
30/08/08	69855	04:16:09 - 04:27:29	gap at BE
30/08/08	69855	04:56:26 - 05:02:17	gap at MM
30/08/08	69855	03:44:41 - 03:57:55	gap at MI
30/08/08	69855	04:27:34 - 04:39:00	gap at SG
30/08/08	69856	06:38:17 - 06:44:53	gap at MM
30/08/08	69856	05:52:41 - 05:56:43	gap at KS
30/08/08	69856	06:22:01 - 06:28:01	gap at JO
30/08/08	69857	08:19:03 - 08:27:57	gap at MM

30/08/08	69858	09:59:22 - 10:10:21	gap at MM
30/08/08	69858	09:37:12 - 09:48:35	gap at JO
30/08/08	69859	11:39:27 - 11:51:41	gap at MM
30/08/08	69860	13:19:17 - 13:32:00	gap at MM
30/08/08	69861	15:08:50 - 15:17:23	gap at HO
30/08/08	69861	14:58:53 - 15:11:33	gap at MM
30/08/08	69861	14:28:29 - 14:35:04	gap at MI
30/08/08	69861	15:21:58 - 15:35:51	gap at SG
30/08/08	69862	15:34:18 - 15:44:23	gap at BE
30/08/08	69862	16:38:12 - 16:50:44	gap at MM
30/08/08	69862	16:04:46 - 16:18:08	gap at MI
30/08/08	69862	16:07:41 - 16:19:53	gap at CM
30/08/08	69863	18:17:20 - 18:29:54	gap at MM
30/08/08	69863	17:47:23 - 17:52:32	gap at MI
30/08/08	69863	17:49:02 - 17:56:15	gap at CM
30/08/08	69864	19:56:34 - 20:09:17	gap at MM
30/08/08	69865	21:36:17 - 21:48:56	gap at MM
30/08/08	69865	20:34:25 - 20:48:06	gap at MA
30/08/08	69866	23:16:50 - 23:28:50	gap at MM
30/08/08	69858	09:10:41 - 09:11:49	gap at KS
30/08/08	69859	10:50:17 - 10:51:27	gap at KS
30/08/08	69860	12:29:38 - 12:30:47	gap at KS
30/08/08	69861	14:08:31 - 14:09:45	gap at KS
30/08/08	69862	15:46:25 - 15:47:36	gap at KS
30/08/08	69863	17:24:18 - 17:25:31	gap at KS
30/08/08	69859	11:03:28 - 11:04:51	gap at MS
30/08/08	69860	12:43:10 - 12:45:16	gap at MS
30/08/08	69864	19:00:51 - 19:03:25	gap at MA
30/08/08	69857	07:55:55 - 07:58:02	gap at JO
30/08/08	69865	21:56:01 - 21:57:33	gap at JO
31/08/08	69867	00:58:26 - 01:08:58	gap at MM
31/08/08	69867	00:09:39 - 00:14:06	gap at KS
31/08/08	69868	02:05:22 - 02:17:27	gap at BE
31/08/08	69868	02:41:03 - 02:49:22	gap at MM
31/08/08	69869	04:24:08 - 04:30:20	gap at MM
31/08/08	69869	03:13:29 - 03:26:45	gap at MI
31/08/08	69869	03:13:31 - 03:24:03	gap at CM
31/08/08	69869	04:52:28 - 05:03:21	gap at CM
31/08/08	69870	06:06:26 - 06:12:31	gap at MM
31/08/08	69870	04:55:32 - 05:03:52	gap at MI
31/08/08	69871	07:47:27 - 07:55:35	gap at MM
31/08/08	69872	09:27:52 - 09:38:16	gap at MM
31/08/08	69873	11:08:01 - 11:19:57	gap at MM
31/08/08	69874	12:47:56 - 13:00:34	gap at MM
31/08/08	69875	14:27:37 - 14:40:19	gap at MM
31/08/08	69876	15:01:41 - 15:13:56	gap at BE
31/08/08	69876	16:07:01 - 16:19:35	gap at MM
31/08/08	69876	15:33:42 - 15:46:45	gap at MI

31/08/08	69876	15:37:12 - 15:47:51	gap at CM
31/08/08	69877	17:46:11 - 17:58:43	gap at MM
31/08/08	69877	17:14:05 - 17:24:13	gap at MI
31/08/08	69877	17:16:18 - 17:27:04	gap at CM
31/08/08	69878	19:25:21 - 19:38:01	gap at MM
31/08/08	69879	21:04:52 - 21:17:35	gap at MM
31/08/08	69880	22:37:02 - 22:49:42	gap at HO
31/08/08	69880	22:45:08 - 22:57:25	gap at MM
31/08/08	69880	21:43:49 - 21:56:01	gap at MA
31/08/08	69872	08:39:22 - 08:40:29	gap at KS
31/08/08	69873	10:19:00 - 10:20:10	gap at KS
31/08/08	69874	11:58:27 - 11:59:41	gap at KS
31/08/08	69875	13:37:27 - 13:38:37	gap at KS
31/08/08	69876	15:15:45 - 15:17:15	gap at KS
31/08/08	69877	16:53:24 - 16:54:41	gap at KS
31/08/08	69878	18:31:27 - 18:32:38	gap at KS
31/08/08	69873	10:33:07 - 10:34:22	gap at MS
31/08/08	69874	12:11:30 - 12:12:47	gap at MS
31/08/08	69879	20:03:38 - 20:04:54	gap at MA
31/08/08	69869	03:44:30 - 03:47:45	gap at BE
31/08/08	69868	02:18:02 - 02:19:07	gap at SG
31/08/08	69869	03:55:28 - 03:56:30	gap at SG
31/08/08	69875	14:51:13 - 14:52:15	gap at SG
31/08/08	69871	07:25:23 - 07:27:57	gap at JO
31/08/08	69871	07:34:08 - 07:39:11	gap at JO
31/08/08	69872	09:04:35 - 09:09:53	gap at JO
31/08/08	69879	21:24:11 - 21:26:01	gap at JO

Lamp Failures: none

cooler switchings:

Date	Coolers off/on	Maximum detector warm up temperature [Kelvin]
27/08/08	~01:56 off 09:06:54 on	FPA 1: 276.1 FPA 2: 276.6 FPA 3: 279.3 FPA 4: 276.7

Timeline interruptions: none

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
05/08/08	69497-69505	~03:30 – ~19:00	Narrow Swath Timeline GMNNOT41 not executed on 04/08/08 due to GOME anomaly

14-15/08/08	69636– 69649	~21:00 (14/08/08) - ~18:30 (15/08/08)	Narrow Swath Timeline GMNNOT41 executed
24-25/08/08	69780–69791	~ 19:00 (24/08/08) - ~17:00 (25/08/08)	Narrow Swath Timeline GMNNOT41 executed

Commanding Problems - Incorrect Timelines Execution: none

Others:

Date	Orbit No.	Duration	remark
01/08/08 - 31/08/08			products with padded frames in channel 4 (Frame 20) (over a few orbits of a limited area over the North Pole)
06/08/08	69510	02:14:00	Corrupted products at SG anomalous values for most parameters
08/08/08	69540	03:42:06	Corrupted products at GS anomalous values for most parameters
08/08/08	69546	14:21:34	Corrupted products at MI anomalous values for most parameters
08/08/08	69547	16:05:54	Corrupted products at MI anomalous values for most parameters
08/08/08	69550	20:49:25	Corrupted products at GS anomalous values for most parameters
10/08/08	69568	02:35:14	Corrupted products at MI anomalous values for most parameters
13/08/08	69623	22:48:01	Corrupted products at MS anomalous values for most parameters
27/08/08	69815	Start before 09:06:08 (no visibility gs) Stop 09:06:54	GOOD Lamp cal measurements, no instability, although of short duration