GOME Operations for September 2003

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

GOME Operations during September 2003

Date	operations	remark
01/09/03	data available within visibility of groundstations	no solar calibration data available
02/09/03	data available within visibility of groundstations	no solar calibration data available
03/09/03	data available within visibility of groundstations	no solar calibration data available
04/09/03	data available within visibility of groundstations	no solar calibration data available
05/09/03	data available within visibility of groundstations	no solar calibration data available
06/09/03	data available within visibility of groundstations	no solar calibration data available
07/09/03	data available within visibility of groundstations	no solar calibration data available
08/09/03	data available within visibility of groundstations	14 DSR of useful solar calibration data available; stoptime 13:09:10.95
09/09/03	data available within visibility of groundstations	no useful solar calibration data available
10/09/03	data available within visibility of groundstations	no solar calibration data available
11/09/03	data available within visibility of groundstations	no solar calibration data available
12/09/03	data available within visibility of groundstations	no solar calibration data available
13/09/03	data available within visibility of groundstations	no solar calibration data available
14/09/03	data available within visibility of groundstations GOME switch-off: start: 13:51:17 stop: 16:40:50	useful solar calibration data available (13:07:25 - 13:07:43); stoptime of solar measurement mode: 13:09:10.95, T= 235 K start of sun calibration: 16:52:42(TST44 with warm detectors T=~267K)
15/09/03	data available within visibility of groundstations	35 DSR of useful solar calibration data available (12:47:38 - 12:48:29); stoptime 12:49:54.93
16/09/03	data available within visibility of groundstations	22 DSR of useful solar calibration data available (12:18:24 - 12:16:58); stoptime 12:18:24.41
17/09/03	data available within visibility of groundstations	10 DSR of useful solar calibration data available (11:45:14 - 11:45:28); stoptime 11:46:53.83
18/09/03	data available within visibility of groundstations	start of sun calibration:14:32:40.95
19/09/03	data available within visibility of groundstations	start of sun calibration:14:01:13.38
20/09/03	data available within visibility of groundstations	start of sun calibration:13:30:02
21/09/03	data available within visibility of groundstations	start of sun calibration: 16:19:25.45
22/09/03	data available within visibility of groundstations	start of sun calibration:15:47:51.87
23/09/03	data available within visibility of groundstations	start of sun calibration:15:16:24
24/09/03	data available within visibility of groundstations	start of sun calibration: 14:44:56.75
25/09/03	data available within visibility of groundstations	start of sun calibration: 14:13:23.17
26/09/03	data available within visibility of groundstations	start of sun calibration: 13:41:55.61
27/09/03	data available within visibility of groundstations	start of sun calibration: 16:31:35.24
28/09/03	data available within visibility of groundstations	start of sun calibration: 16:00:07.68
29/09/03	data available within visibility of groundstations	start of sun calibration: 15:28:34.12
30/09/03	data available within visibility of groundstations	start of sun calibration: 14:47:06.56

Anomalies:

single event upsets (SEU): none

list of datagaps:

Date	Orbit No.	duration	reason
01/09/03	43732	04:50 - 05:03	gap at PS

02/09/03	43746	04:17 - 04:28	gap at GS
04/09/03	43774	03:13 - 03:27	gap at GS
07/09/03	43818	05:01 - 05:14	gap at GS
09/09/03	43847	05:38:05 - 05:52:29	gap at PS
09/09/03	43847	05:57:59 - 06:03:05	gap at KS
11/09/03	43874	02:57:24 - 03:10:17	gap at PS
11/09/03	43875	04:35:03 - 04:50:03	gap at PS
11/09/03	43876	06:17:25 - 06:29:09	gap at PS
11/09/03	43876	06:34:23 - 06:42:43	gap at KS
11/09/03	43878	10:08:36 - 10:16:55	gap at MS
11/09/03	43879	11:45:49 - 11:59:26	gap at MS
11/09/03	43880	13:27:40 - 13:35:17	gap at MS
11/09/03	43881	15:02:05 - 15:15:53	gap at GS
11/09/03	43882	16:40:37 - 16:53:55	gap at PS
11/09/03	43882	16:41:22 - 16:55:16	gap at GS
11/09/03	43883	18:19:46 - 18:34:45	gap at PS
11/09/03	43883	18:22:20 - 18:30:21	gap at GS
11/09/03	43884	19:59:33 - 20:12:14	gap at PS
11/09/03	43885	21:19:45 - 21:25:23	gap at MS
11/09/03	43886	22:54:47 - 23:08:27	gap at MS
12/09/03	43888	02:27:20 - 02:38:51	gap at PS
12/09/03	43889	04:04:02 - 04:18:45	gap at PS
12/09/03	43889	04:01:42 - 04:06:51	gap at GS
12/09/03	43890	05:43:53 - 05:58:08	gap at PS
12/09/03	43890	06:03:33 - 06:09:13	gap at KS
13/09/03	43901	00:21:59 - 00:26:31	gap at KS
13/09/03	43902	01:57:33 - 02:07:22	gap at PS
13/09/03	43903	03:33:19 - 03:47:23	gap at PS
14/09/03	43923 - 925	13:51:17 - 16:40:50	data gap due to GOME switch-off (see ER2-UNA- 2003/003-041)
14/09/03	43917	03:02:54 - 03:16:00	gap at PS
14/09/03	43918	04:40:43 - 04:55:45	gap at PS
14/09/03	43919	06:40:01 - 06:48:33	gap at KS
14/09/03	43929	23:14:07 - 23:24:24	gap at KS
15/09/03	43932	04:09:39 - 04:24:27	gap at PS
15/09/03	43933	06:09:08 - 06:15:17	gap at KS
16/09/03	43945	02:02:56 - 02:13:06	gap at PS
16/09/03	43946	03:38:53 - 03:53:06	gap at PS
16-17/09/03	43958	23:53:50 (16/09/03) - 00:01:13 (17/03/03)	gap at KS
17/09/03	43960	03:08:25 - 03:21:42	gap at PS
17/09/03	43961	04:46:24 - 05:01:26	gap at PS
17/09/03	43962	06:45:40 - 06:54:26	gap at KS
17/09/03	43964	10:19:26 - 10:21:33	gap at MS
18/09/03	43974	02:38:14 - 02:50:17	gap at PS
18/09/03	43975	04:15:16 - 04:30:08	gap at PS
18/09/03	43976	06:14:44 - 06:21:16	gap at KS

18/09/03	43981	14:47:32 - 14:53:37	gap at GS
18/09/03	43983	17:59:51 - 18:14:52	gap at PS
18/09/03	43984	19:39:34 - 19:52:59	gap at PS
18/09/03	43985	21:23:17 - 21:28:07	gap at PS
18/09/03	43986	22:47:20 - 22:58:50	gap at KS
19/09/03	43988	02:08:26 - 02:18:49	gap at PS
19/09/03	43989	03:44:27 - 03:58:48	gap at PS
19/09/03	43997	17:28:38 - 17:43:22	gap at PS
19/09/03	44001	23:59:55 - 00:06:52	gap at KS
20/09/03	44002	01:38:44 - 01:47:19	gap at PS
20/09/03	44003	03:13:56 - 03:27:25	gap at PS
20/09/03	44015	23:26:17 - 23:35:45	gap at KS
21/09/03	44016	00:54:54 - 00:59:01	gap at MS
21/09/03	44016	01:02:03 - 01:12:21	gap at GS
21/09/03	44017	02:43:42 - 02:56:00	gap at PS
21/09/03	44018	04:20:55 - 04:35:50	gap at PS
21/09/03	44019	06:20:20 - 06:27:23	gap at KS
21/09/03	44029	22:53:16 - 23:04:31	gap at KS
22/09/03	44031	02:14:06 - 02:24:33	gap at PS
22/09/03	44032	03:50:02 - 04:04:30	gap at PS
22/09/03	44033	05:49:44 - 05:53:48	gap at KS
22/09/03	44034	07:13:06 - 07:22:02	gap at PS
22/09/03	44040	17:34:19 - 17:49:07	gap at PS
23/09/03	44045	01:44:06 - 01:53:03	gap at PS
23/09/03	44046	03:19:27 - 03:33:07	gap at PS
23/09/03	44058	23:32:15 - 23:41:25	gap at KS
24/09/03	44059	01:01:19 - 01:04:02	gap at MS
24/09/03	44060	02:49:10 - 03:01:43	gap at PS
24/09/03	44061	04:26:33 - 04:41:31	gap at PS
24/09/03	44062	06:25:57 - 06:33:33	gap at KS
24/09/03	44072	22:59:13 - 23:10:12	gap at KS
25/09/03	44074	02:19:45 - 02:30:16	gap at PS
25/09/03	44075	03:55:37 - 04:10:12	gap at PS
25/09/03	44076	05:55:13 - 06:00:01	gap at KS
26/09/03	44087	00:12:44 - 00:18:07	gap at KS
26/09/03	44088	01:49:28 - 01:58:47	gap at PS
26/09/03	44089	03:25:00 - 03:38:50	gap at PS
26/09/03	44101	23:38:17 - 23:47:05	gap at KS
27/09/03	44103	02:54:39 - 03:07:25	gap at PS
27/09/03	44104	04:32:13 - 04:47:13	gap at PS
27/09/03	44105	06:31:34 - 06:39:41	gap at KS
27/09/03	44112	18:16:55 - 18:31:55	gap at PS
27/09/03	44113	19:56:42 - 20:09:30	gap at PS
27/09/03	44115	23:05:09 - 23:15:53	gap at KS
28/09/03	44117	02:24:37 - 02:35:59	gap at PS

28/09/03	44118	04:01:14 - 04:15:54	gap at PS
28/09/03	44119	05:40:59 - 05:55:19	gap at PS
28/09/03	44119	06:00:46 - 06:06:09	gap at KS
28/09/03	44122	10:58:46 - 11:11:49	gap at KS
29/09/03	44130	00:18:47 - 00:23:43	gap at KS
29/09/03	44131	01:54:51 - 02:04:30	gap at PS
29/09/03	44132	03:30:32 - 03:44:32	gap at PS
29/09/03	44141	18:53:56 - 19:08:31	gap at PS
29/09/03	44144	23:44:28 - 23:52:45	gap at KS
30/09/03	44146	03:00:09 - 03:13:08	gap at PS
30/09/03	44147	04:37:53 - 04:52:54	gap at PS
30/09/03	44148	06:37:12 - 06:45:40	gap at KS
30/09/03	44149	08:16:30 - 08:20:38	gap at KS
30/09/03	44155	18:22:36 - 18:37:35	gap at PS
30/09/03	44158	23:11:08 - 23:21:34	gap at KS

data available within visibility of groundstations:

Lamp Failures: none

cooler switchings:

Date	coolers off/on	maximum detector warm up temperature [Kelvin]
14/09/03	13:51:17 off 18:25:11 on	FPA 1: ~268 FPA 2: ~268 FPA 3: ~268 FPA 4: ~268

timeline interruptions: (operations in nadir static view): none

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/09/03	43780 - 43793	~13:30 (04/09/03) - ~11:00 (05/09/03)	Narrow Swath Timeline GMNNOT41 executed
14-15/09/03	43927 - 43937	~20:00 (14/09/03) - ~12:30 (15/09/03)	Narrow Swath Timeline GMNNOT41 executed

others: none