

GOME Operations during December 2003

Date	operations	remark
01/12/03	data available within visibility of groundstations	start of sun calibration: 12:33:05.02
02/12/03	data available within visibility of groundstations	start of sun calibration: 12:01:31.52
03/12/03	data available within visibility of groundstations	start of sun calibration: 11:29:58.03
04/12/03	data available within visibility of groundstations	start of sun calibration: 10:58:21.96
05/12/03	data available within visibility of groundstations	start of sun calibration: 10:26:48.45
06/12/03	data available within visibility of groundstations	start of sun calibration: 13:16:28.16
07/12/03	data available within visibility of groundstations	start of sun calibration: 12:44:54.65
08/12/03	data available within visibility of groundstations	no solar calibration data available due to data gap
09/12/03	data available within visibility of groundstations	start of sun calibration: 11:41:41.64
10/12/03	data available within visibility of groundstations	start of sun calibration: 11:10:08.13
11/12/03	data available within visibility of groundstations	start of sun calibration: 10:38:34.63
12/12/03	data available within visibility of groundstations	start of sun calibration: 13:28:08.35
13/12/03	data available within visibility of groundstations	no solar calibration data available due to timeline interruption
14/12/03	data available within visibility of groundstations	start of sun calibration: 12:24:59.24
15/12/03	data available within visibility of groundstations	start of sun calibration: 11:53:19.75
16/12/03	data available within visibility of groundstations	start of sun calibration: 11:21:46.27
17/12/03	data available within visibility of groundstations	start of sun calibration: 10:50:12.79
18/12/03	data available within visibility of groundstations	start of sun calibration: 10:18:33.31
19/12/03	data available within visibility of groundstations	start of sun calibration: 13:12:05.57
20/12/03	data available within visibility of groundstations	start of sun calibration: 12:36:33.57
21/12/03	data available within visibility of groundstations	start of sun calibration: 12:04:54.09
22/12/03	data available within visibility of groundstations	start of sun calibration: 11:33:20.63
23/12/03	data available within visibility of groundstations	start of sun calibration: 11:01:41.15
24/12/03	data available within visibility of groundstations	start of sun calibration: 10:30:04.48
25/12/03	data available within visibility of groundstations	start of sun calibration: 13:19:38.21
26/12/03	data available within visibility of groundstations	start of sun calibration: 12:47:58.74
27/12/03	data available within visibility of groundstations	start of sun calibration: 12:16:25.26
	data available within visibility of groundstations monthly calibration performed	
	during Orbits 45426 - 45431	
28/12/03	(calibration lamp measurements available)	start of sun calibration: 11:44:45.79
	two Orbits in Nadir Static View	
	45423, 45424	
29/12/03	data available within visibility of groundstations	start of sun calibration: 11:13:06.37
30/12/03	data available within visibility of groundstations	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre
31/12/03	data available within visibility of groundstations	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre

Anomalies:

single event upsets (SEU):

Date
 reason
 on-board software problem caused anomaly (orbits 44989 - 45039)
 Level 0:

28/11/2003 - 01/12/2003
 pixel readouts of channel 4 in saturation
 cured with switch-off/on in time-tag day 01/12

list of datagaps:

Date	Orbit No.	duration	reason
01/12/03	45032	00:32:57 - 00:39:49	gap at GS
01/12/03	45036	07:14:11 - 07:20:56	gap at PS
01/12/03	45042	17:21:29 - 17:27:38	gap at KS
01/12/03	45043	18:59:40 - 19:05:52	gap at KS
01/12/03	45043	19:14:27 - 19:27:29	gap at PS
02/12/03	45054	13:48:32 - 13:53:38	gap at GS
03/12/03	45061	01:03:04 - 01:06:06	gap at MS
03/12/03	45073	21:32:22 - 21:37:35	gap at PS
04/12/03	45075	00:38:10 - 00:45:43	gap at GS
04/12/03	45079	07:20:31 - 07:26:15	gap at PS
05/12/03	45092	05:12:58 - 05:17:56	gap at PS
05/12/03	45097	13:53:40 - 14:00:05	gap at GS
06/12/03	45116	21:38:13 - 21:42:48	gap at PS
07/12/03	45118	00:34:04 - 00:43:31	gap at MS
07/12/03	45121	05:41:34 - 05:54:44	gap at PS
07/12/03	45122	07:26:59 - 07:31:25	gap at PS
07/12/03	45124	11:11:53 - 11:24:50	gap at MS
07/12/03	45131	22:21:42 - 22:33:55	gap at MS
08/12/03	45132	00:01:10 - 00:13:13	gap at MS
08/12/03	45132	00:15:18 - 00:18:38	(no data from MS due to an anomaly at Maspalomas station - under investigation)
08/12/03	45138	10:41:21 - 10:52:40	gap at GS
08/12/03	45139	12:06:58 - 12:20:11	gap at MS
08/12/03	45139	12:20:09 - 12:32:42	(no data from MS due to an anomaly at Maspalomas station - under investigation)
08/12/03	45145	21:51:51 - 22:01:47	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
08/12/03	45146	23:29:13 - 23:42:26	gap at MS
09/12/03	45152	10:11:18 - 10:19:22	(no data from MS due to an anomaly at Maspalomas station - under investigation)
09/12/03	45153	11:48:38 - 12:01:57	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
09/12/03	45154	13:30:41 - 13:36:51	gap at MS
09/12/03	45157	18:25:48 - 18:32:26	(no data from MS due to an anomaly at Maspalomas station - under investigation)
09/12/03	45159	21:23:19 - 21:28:30	gap at GS
			gap at MS
			(no data from MS due to an anomaly at Maspalomas station - under investigation)

09/12/03	45159	21:44:06 - 21:47:59	gap at PS
09/12/03	45160	22:57:55 - 23:11:19	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
10/12/03	45161	00:40:14 - 00:48:49	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
10/12/03	45165	07:33:48 - 07:36:15	gap at PS
10/12/03	45167	11:17:31 - 11:30:36	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
10/12/03	45168	12:57:51 - 13:08:08	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
10/12/03	45174	22:27:13 - 22:39:39	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
11/12/03	45181	10:46:51 - 10:58:35	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
11/12/03	45182	12:25:52 - 12:38:13	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
11/12/03	45188	21:57:13 - 22:07:39	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
11/12/03	45189	23:34:58 - 23:48:05	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
12/12/03	45195	10:16:43 - 10:25:34	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
12/12/03	45196	11:54:16 - 12:07:35	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
12/12/03	45197	13:36:46 - 13:41:46	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
12/12/03	45200	18:31:46 - 18:37:35	gap at GS
12/12/03	45202	21:50:04 - 21:53:05	gap at PS
12/12/03	45203	23:03:33 - 23:17:02	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
13/12/03	45204	00:46:29 - 00:54:01	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
13/12/03	45210	11:23:09 - 11:36:21	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
13/12/03	45211	13:03:45 - 13:13:29	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
13/12/03	45216	21:17:50 - 21:24:25	gap at PS
13/12/03	45217	22:32:45 - 22:45:26	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
14/12/03	45218	00:12:59 - 00:24:20	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
14/12/03	45218	00:25:14 - 00:30:53	gap at GS
14/12/03	45224	10:52:20 - 11:04:28	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
14/12/03	45225	12:31:36 - 12:43:43	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
14/12/03	45231	22:02:36 - 22:13:27	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)

14/12/03	45232	23:40:45 - 23:53:43	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
15/12/03	45238	10:22:09 - 10:31:41	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
15/12/03	45239	12:00:02 - 12:13:12	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
15/12/03	45240	13:42:57 - 13:46:24	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
15/12/03	45243	18:37:47 - 18:42:39	gap at GS
15/12/03	45245	21:56:10 - 21:58:01	gap at PS
15/12/03	45246	23:09:13 - 23:22:40	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
16/12/03	45247	00:52:52 - 00:59:06	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
16/12/03	45253	11:28:48 - 11:42:04	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
16/12/03	45254	13:09:38 - 13:18:47	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
16/12/03	45255	14:50:02 - 14:56:23	gap at GS
16/12/03	45259	21:23:38 - 21:29:42	gap at PS
16/12/03	45260	22:38:18 - 22:51:10	gap at MS (no data from MS due to an anomaly at Maspalomas station - under investigation)
17/12/03	45261	00:30:21 - 00:36:51	gap at GS
17/12/03	45274	22:08:02 - 22:19:19	gap at MS
18/12/03	45283	13:46:03 - 13:50:18	gap at GS
18/12/03	45286	18:43:56 - 18:47:35	gap at GS
19/12/03	45290	01:01:43 - 01:03:55	gap at MS
19/12/03	45302	21:29:27 - 21:34:58	gap at PS
20/12/03	45304	00:35:33 - 00:42:46	gap at GS
20/12/03	45308	07:17:20 - 07:23:36	gap at PS
21/12/03	45326	13:51:04 - 13:56:53	gap at GS
22/12/03	45345	21:35:17 - 21:40:12	gap at PS
23/12/03	45351	07:23:43 - 07:28:51	gap at PS
24/12/03	45361	00:12:59 - 00:15:25	gap at GS
24/12/03	45371	16:58:59 - 17:11:35	gap at KS
25/12/03	45387	20:00:12 - 20:11:36	gap at PS
25/12/03	45388	21:41:09 - 21:45:24	gap at PS
26/12/03	45393	05:44:28 - 05:57:33	gap at PS
26/12/03	45394	07:30:19 - 07:33:55	gap at PS
26/12/03	45400	17:54:35 - 17:57:35	small data gaps at GS (each of 1-3 packets of 1.5 sec)
26/12/03	45401	19:28:44 - 19:41:21	gap at PS
26/12/03	45403	22:24:27 - 22:30:03	gap at MS
27/12/03	45404	00:04:07 - 00:10:04	gap at MS
27/12/03	45404	00:17:43 - 00:21:46	gap at GS
27/12/03	45415	18:57:20 - 19:10:46	gap at PS
27/12/03	45416	20:37:29 - 20:46:56	gap at MS
28/12/03	45429	18:28:46 - 18:35:01	gap at GS

28/12/03	45431	21:47:04 - 21:50:32	gap at PS
29/12/03	45445	21:14:56 - 21:21:45	gap at PS
29/12/03	45446	22:29:59 - 22:42:33	gap at MS
30/12/03	45447	00:10:01 - 00:14:56	gap at MS
30/12/03	45447	00:22:41 - 00:27:52	gap at GS
30/12/03	45450	05:18:25 - 05:32:06	gap at PS
30/12/03	45451	07:01:48 - 07:10:07	gap at PS
30/12/03	45454	12:28:44 - 12:40:58	gap at MS
30/12/03	45456	15:44:42 - 15:58:35	gap at GS
30/12/03	45458	19:03:02 - 19:16:21	gap at PS
30/12/03	45459	20:43:13 - 20:52:20	gap at PS
30/12/03	45460	21:59:54 - 22:10:33	gap at MS
31/12/03	45474	21:53:05 - 21:55:35	gap at PS

data available within visibility of groundstations:

over Europe, North Atlantic, the Arctic and western North America

Lamp Failures: none

cooler switchings: none

timeline interruptions: (operations in nadir static view):

Date	Orbit No.	Duration	remark
13/12/03	45211	12:53:00 - 13:13:29	due to an RA anomaly GOME timeline was interrupted, instrument in Nadir Static View
13/12/03	45212	14:30:21 - 14:50:53	due to an RA anomaly GOME timeline was interrupted, instrument in Nadir Static View

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/12/03	45082 - 45099	~12:30 (04/12/03) - ~16:30 (05/12/03)	Narrow Swath Timeline GMNNOT41 executed (however orbit 45095 in nominal swath, TST33)
14-15/12/03	45226 - 45239	~14:00 (14/12/03) - ~11:00 (15/12/03)	Narrow Swath Timeline GMNNOT41 executed
24-25/12/03	45368 - 45383	~12:00 (24/12/03) - ~13:00 (25/12/03)	Narrow Swath Timeline GMNNOT41 executed

others: none