

GOME Operations during November 2004

Date	operations	remark
01/11/04	data available within visibility of groundstations	start of sun calibration: 13:11:23.96
02/11/04	data available within visibility of groundstations	start of sun calibration: 12:39:50.41
03/11/04	data available within visibility of groundstations	start of sun calibration: 12:08:22.87
04/11/04	data available within visibility of groundstation	start of sun calibration: 11:36:48.17
05/11/04	data available within visibility of groundstations	start of sun calibration: 11:05:20.62
	data available within visibility of groundstations GOME switch-off	
06/11/04	start: 03:50:30 stop: 10:30:00	start of sun calibration: 10:33:46.53 (TST44 with warm detectors T= \sim 266.5K)
07/11/04	data available within visibility of groundstations	start of sun calibration: 13:23:26.56
08/11/04	data available within visibility of groundstations	start of sun calibration: 12:51:59.00
09/11/04	data available within visibility of groundstations	start of sun calibration: 12:20:25.46
10/11/04	data available within visibility of groundstations	start of sun calibration: 11:48:51.93
11/11/04	data available within visibility of groundstation	start of sun calibration: 11:17:18.40
12/11/04	data available within visibility of groundstations	start of sun calibration: 10:45:50.87
13/11/04	data available within visibility of groundstations	start of sun calibration: 10:14:17.34
14/11/04	SEU data available within visibility of groundstations	no solar calibration measurements available due to instrument anomaly
15/11/04	data available within visibility of groundstations	start of sun calibration: 12:32:22.16
16/11/04	data available within visibility of groundstations	start of sun calibration: 12:00:48.83
17/11/04	data available within visibility of groundstations	start of sun calibration: 11:29:15.34
18/11/04	data available within visibility of groundstation	start of sun calibration: 10:57:41.82
19/11/04	data available within visibility of groundstations	no solar calibration measurements available due to missing data
20/11/04	data available within visibility of groundstations	start of sun calibration: 13:15:47.99
21/11/04	data available within visibility of groundstations	start of sun calibration: 12:44:14.47
22/11/04	data available within visibility of groundstations	start of sun calibration: 12:12:46.96
23/11/04	data available within visibility of groundstations Lamp Failure data available within visibility of groundstations	start of sun calibration: 11:41:13.45
24/11/04	GOME switch-off start: 03:49:30 stop: 09:30:00	start of sun calibration: 11:09:40.46, 09:29:00.81 (TST44 with warm detectors T= \sim 268 K)
25/11/04	data available within visibility of groundstation	start of sun calibration: 10:38:07.16
26/11/04	data available within visibility of groundstations	start of sun calibration: 13:27:46.82
27/11/04	data available within visibility of groundstations	start of sun calibration: 12:56:13.29
28/11/04	data available within visibility of groundstations	start of sun calibration: 12:24:39.78
29/11/04	data available within visibility of groundstations	start of sun calibration: 11:53:06.27
30/11/04	data available within visibility of groundstations	start of sun calibration: 11:21:26.76

Anomalies:

single event upsets (SEU):

Date	reason
	on-board software problem caused anomaly (orbits 50035 - 50039); ~12:30 - ~21:00
	Level 0:
14/11/2004	- 3*Nack flag set
	- scan mirror position at 261.8 deg
	- charge Amp temperatures. Scan Mirror temperatures, Scan Motor temperatures, scan Unit Electronics temp, Optical Bench temp., calibration unit Lamp temp., pre disperser prism temp. increase
	- scan mirror motor current high at 64300 BU (nominally at ~30000 BU)

list of datagaps:

Date	Orbit No.	duration	reason
01/11/04	49846	08:17:23 - 08:28:16	gap at MA
01/11/04	49848	11:37:06 - 11:44:17	gap at MA
01/11/04	49853	19:33:20 - 19:45:07	gap at MA
01/11/04	49848	11:47:08 - 11:53:27	gap at MS
02/11/04	49867	19:05:58 - 19:12:57	gap at MA
02/11/04	49868	20:40:04 - 20:53:45	gap at MA
02/11/04	49869	22:23:31 - 22:31:48	gap at MA
02/11/04	49856	00:31:01 - 00:33:01	gap at MS
02/11/04	49870	23:58:14 - 23:59:16	gap at MS
03/11/04	49875	08:54:11 - 09:06:36	gap at MA
03/11/04	49883	21:49:57 - 22:01:35	gap at MA
03/11/04	49870	23:58:14 - 23:59:16	gap at MS
04/11/04	49889	08:22:51 - 08:34:14	gap at MA
04/11/04	49890	10:08:38 - 10:16:14	gap at MS
04/11/04	49891	11:42:55 - 11:49:28	gap at MA
04/11/04	49891	11:45:49 - 11:59:07	gap at MS
04/11/04	49896	19:38:48 - 19:50:55	gap at MA
04/11/04	49897	21:17:25 - 21:30:39	gap at MA
04/11/04	49898	22:55:06 - 23:08:27	gap at MS
04/11/04	49892	13:27:40 - 13:28:42	gap at MS
05/11/04	49903	07:52:55 - 07:59:48	gap at MA
05/11/04	49908	15:57:35 - 16:09:33	gap at KS
05/11/04	49909	17:35:30 - 17:48:23	gap at KS
05/11/04	49911	20:45:44 - 20:59:26	gap at MA
05/11/04	49908	16:11:14 - 16:24:09	gap at GS
06/11/04	49926	21:55:51 - 22:07:08	gap at MA
06/11/04	49915 - 49919	03:50:30 - 10:26:01	data gap due to instrument switch-off (see unavailability report ER2-UNA2004/027)
07/11/04	49934	11:48:56 - 11:54:34	gap at MA
07/11/04	49939	19:44:18 - 19:56:44	gap at MA
08/11/04	49946	07:59:07 - 08:07:05	gap at MA

08/11/04	49948	11:16:39 - 11:25:26	gap at MA
08/11/04	49950	14:25:25 - 14:37:03	gap at KS
08/11/04	49953	19:16:24 - 19:24:43	gap at MA
08/11/04	49953	19:34:27 - 19:46:52	gap at PS
08/11/04	49954	20:51:24 - 21:05:07	gap at MA
08/11/04	49955	22:35:59 - 22:42:28	gap at MA
09/11/04	49967	18:47:33 - 18:51:43	gap at MA
09/11/04	49969	22:01:51 - 22:12:40	gap at MA
10/11/04	49977	11:55:05 - 11:59:33	gap at MA
11/11/04	49991	11:22:31 - 11:30:54	gap at MA
11/11/04	49998	22:42:26 - 22:47:40	gap at MA
12/11/04	50011	20:25:59 - 20:39:45	gap at MA
13/11/04	50025	19:55:19 - 20:08:28	gap at MA
14/11/04	50033	09:39:09 - 09:53:02	gap at KS
14/11/04	50034	11:28:24 - 11:36:24	gap at MA
14/11/04	50038	17:52:14 - 18:05:23	gap at KS
14/11/04	50039	19:27:03 - 19:36:24	gap at MA
15/11/04	50044	03:47:22 - 04:00:21	gap at GS
15/11/04	50053	18:58:20 - 19:03:08	gap at MA
15/11/04	50055	22:14:23 - 22:23:39	gap at MA
16/11/04	50068	20:00:52 - 20:14:14	gap at MA
16/11/04	50069	21:40:35 - 21:49:05	gap at MA
17/11/04	50077	11:34:12 - 11:41:40	gap at MA
18/11/04	50097	20:37:14 - 20:50:54	gap at MA
19/11/04	50105	10:21:50 - 10:35:50	gap at KS
20/11/04	50120	11:40:00 - 11:46:53	gap at MA
20/11/04	50125	19:36:04 - 19:48:01	gap at MA
21/11/04	50139	19:08:33 - 19:15:54	gap at MA
21/11/04	50140	20:42:54 - 20:56:36	gap at MA
21/11/04	50140	21:06:16 - 21:13:47	gap at PS
21/11/04	50141	22:26:36 - 22:34:29	gap at MA
21/11/04	50134	11:19:13 - 11:24:50	gap at MS
21/11/04	50135	12:59:14 - 13:02:46	gap at MS
22/11/04	50147	08:56:50 - 09:09:15	gap at MA
22/11/04	50154	20:11:59 - 20:25:42	gap at MA
22/11/04	50155	21:52:54 - 22:04:22	gap at MA
22/11/04	50142	00:01:10 - 00:09:53	gap at MS
22/11/04	50148	10:47:34 - 10:52:40	gap at MS
23/11/04	50163	11:45:54 - 11:52:02	gap at MA
23/11/04	50168	19:41:33 - 19:53:48	gap at MA
23/11/04	50163	11:55:54 - 12:01:57	gap at MS
24/11/04	50173 - 50175	03:49:30 - 09:30:00	data gap due to instrument switch-off (see unavailability report ER2-UNA2004/027)
24/11/04	50183	20:48:34 - 21:02:17	gap at MA
24/11/04	50184	22:32:49 - 22:39:50	gap at MA
24/11/04	50177	11:24:09 - 11:30:36	gap at MS

24/11/04	50178	13:04:14 - 13:08:08	gap at MS
25/11/04	50191	10:41:16 - 10:52:54	gap at MA
25/11/04	50196	18:44:45 - 18:48:51	gap at MA
25/11/04	50197	20:17:34 - 20:31:22	gap at MA
25/11/04	50198	21:58:48 - 22:09:54	gap at MA
26/11/04	50206	11:51:59 - 11:57:05	gap at MA
26/11/04	50211	19:47:03 - 19:59:41	gap at MA
26/11/04	50212	21:26:04 - 21:39:12	gap at MA
26/11/04	50206	12:00:53 - 12:07:35	gap at MS
27/11/04	50218	08:01:42 - 08:10:09	gap at MA
27/11/04	50220	11:19:35 - 11:28:08	gap at MA
27/11/04	50225	19:19:03 - 19:27:39	gap at MA
27/11/04	50227	22:39:11 - 22:45:05	gap at MA
27/11/04	50214	00:46:29 - 00:51:32	gap at MS
28/11/04	50234	10:47:02 - 10:58:23	gap at MA
28/11/04	50239	18:50:20 - 18:54:34	gap at MA
28/11/04	50241	22:05:21 - 22:15:25	gap at MA
29/11/04	50254	19:52:34 - 20:05:33	gap at MA
29/11/04	50255	21:31:52 - 21:44:50	gap at MA
29/11/04	50247	08:46:03 - 08:49:02	gap at MA
30/11/04	50261	08:06:33 - 08:16:14	gap at MA
30/11/04	50263	11:25:28 - 11:33:40	gap at MA
30/11/04	50268	19:24:22 - 19:33:29	gap at MA
30/11/04	50269	21:00:04 - 21:13:37	gap at MA
30/11/04	50270	22:45:40 - 22:50:12	gap at MA

Lamp Failures:

Date	reason	remark
24/11/04	Lamp Failure (no. 138 - 139) Orbits 50176	Lamp Failures set during monthly calibration sequences, voltage reached only a value of 178 V

cooler switchings:

Date	coolers off/on	maximum detector warm up temperature [Kelvin]
06/11/04	03:50:30 off	FPA 1: 268.8
	10:39:42 on	FPA 2: 269.7
24/11/04		FPA 3: 269.6
		FPA 4: 269.8
	03:49:30 off	FPA 1: 269.2
	09:34:57 on	FPA 2: 270.0
		FPA 3: 269.9
		FPA 4: 270.1

timeline interruptions: (operations in nadir static view):

Date	Orbit No.	Duration	remark
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07/11/04 49932 08:43:30 GOME Timeline stopped due to Payload synchronisation, instrument in Nadir Static View

07/11/04 49933 10:16:00 GOME Timeline stopped due to Payload synchronisation, instrument in Nadir Static View

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/11/04	49892 - 49905	~13:00 (04/11/04) - ~10:30 (05/11/04)	Narrow Swath Timeline GMNNOT41 executed
15/11/04	50042 - 50049	~00:00 - ~12:00 (15/10/04)	Narrow Swath Timeline GMNNOT41 executed, note: due to SEU Narrow Swath data are available only on day 15/11/04
24-25/11/04	50178 - 50191	~12:30 (24/11/04) - ~10:00 (25/11/04)	Narrow Swath Timeline GMNNOT41 executed

others:

Date	Orbit No.	Duration	remark
28/11/04	50236	~14:00 - ~15:45	calibration lamp mode 14:07:28 - 14:17:28 after ignition with nominal lamp voltage value, sudden decrease of voltage to a value of ~182 V at 14:07:47 (nominal value ~198V) however no lamp failure occurred