

# Mars Express Radio Science Experiment - Science Operations Logbook

## MTP 34 (sequel to Mars\_ops\_logbook 06)

#	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
1	3833/ 3834		001	1/1/07	GRV	01:45:57 01:53:39	04:46:00 04:53:38	NNO	global	successfully performed	1119	Meteo-files missing for NN12, NN13; uplink-frequency corrected for NN13_NN12 D1, D2; large noise in data
2	3837/ 3838		002	2/1/07	GRV	04:38:57 04:46:39	07:39:02 07:46:38	NNO	global	successfully performed	1120	Peak at 4:55:41.5; uplink-frequency corrected for NN13_NN12 D1, D2
3	3839/ 3840		002	2/1/07	GRV	18:05:53	21:05:04	GST	global	performed	1121	X-Band: 7002002A.ODF S-Band: 7002002B.ODF
4	3840/ 3841		003	3/1/07	GRV	00:49:04	03:48:16	NNO	global	successfully performed	1122	S-band very noisy, peaks in data
5	3842/ 3843		003	3/1/07	GRV	15:05:28	17:14:46	GST	global	performed	1123	X-Band: 7003003B.ODF S-Band: 7003003C.ODF
6	3848/ 3849		005	5/1/07	GRV	06:34:56 06:42:38	08:14:14 08:33:27	NNO	global	successfully performed	1124	uplink-frequency corrected for NN13_NN12 D1, D2
7	3851/ 3852		006	6/1/07	GRV	02:44:09 02:51:51	05:21:49 05:41:02	NNO	global	successfully performed	1125	uplink-frequency corrected for NN13_NN12 D1, D2; two folders used ( _1, _2)
8	3853/ 3854		006	6/1/07	GRV	16:11:00	19:10:18	GST	global	performed	1126	X-Band: 7006006A.ODF S-Band: 7006006B.ODF
9	3854/ 3855		006	6/1/07	GRV	22:54:18 23:02:00	01:53:50 02:01:59	NNO	global	successfully performed	1127	

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10	3855/ 3856		007	7/1/07	GRV	05:40:30 05:48:12	08:12:46 08:31:59	NNO	global	successfully performed	1128	Peak at 06:56:43.5 Meteo-files NN12, NN13 missing; uplink-frequency corrected in NN13_NN12
11	3858/ 3859		008	8/1/07	GRV	01:46:44	04:46:48	NNO	global	performed	1129	NN12-files missing
12	3867/ 3868		010	10/1/07	GRV	15:04:10	17:15:19	GST	global	partially performed	1130	NO X- and S-Band files with samplerate 1 per sec X-Band: 7010010B.ODF S-Band: 7010010C.ODF
13	3875/ 3876		012	12/1/07	GRV	21:04:14	23:01:23	GST	global	failed		No files available probably cancelled by MPS
14	3876/ 3877		013	13/1/07	GRV	03:47:59	05:44:10	GST	global	failed	1132	No files available probably cancelled by MPS
15	3878/ 3879		013	13/1/07	GRV	16:29:25	19:10:33	GST	global	performed	1133	X-Band: 7013013A.ODF S-Band: 7013013B.ODF
16	3879		013	13/1/07	GRV	20:57:33	21:22:33	GST	AlbaPatera	failed	1134	No files available probably cancelled by MPS
17	3879/ 3880		013	13/1/07	GRV	23:54:09	01:54:10	NNO	global	failed	1135	no NN11 AGC, NN12 and NN13 data on DDS probably cancelled by MPS
18	3883/ 3884		015	15/1/07	GRV	01:46:59 01:54:08	04:46:51 04:54:07	NNO	global	successfully performed	1136	Meteo-files missing for NN12, NN13; uplink-frequency corrected for NN13_NN12 D1, D2

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	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
19	3884		015	15/1/07	GRV	06:18:31 06:25:40	06:58:31 07:11:38	NNO	IsidesPlanetia	successfully performed	1137	uplink-frequency corrected for NN13_NN12 D1, D2
<b>end of MTP 34</b>												
<b>start of MTP 35</b>												
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
20	3886/ 3887		015	15/1/07	GRV	21:56:20	00:56:30	GST	global	failed	1138	No files available probably cancelled by MPS
21	3895/ 3896		018	18/1/07	GRV	10:24:59	12:11:17	DSS-65	global	performed	1139	X-Band: 7018018B.ODF S-Band: 7018018C.ODF
22	3905		021	21/1/07	GRV	03:25:06 03:32:15	04:05:06 04:23:45	NNO	ElysiumMons	successfully performed	1140	uplink-frequency corrected for NN13_NN12 D1, D2
23	3905/ 3906		021	21/1/07	GRV	05:36:40 05:43:49	08:03:11 08:10:55	NNO	global	successfully performed	1141	Peak at 07:20:30.5; uplink-frequency corrected for NN13_NN12 D1, D2
24	3926		026	26/1/07	GRV	21:30:40	22:59:16	GST	global	partially performed	1142	No X- and S-band files with samplerate 1 per sec
25	3926/ 3927		027	27/1/07	GRV	02:42:19 03:00:02	05:42:23 06:00:01	NNO	global	successfully performed	1143	Meteo-files missing for NN12; uplink-frequency corrected for NN13_NN12 D1, D2

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26	3927		027	27/1/07	GRV	07:13:57 07:20:49	07:53:57 07:56:19	NNO	Hellas Rim	successfully performed	1144	Meteo-files missing for NN12, NN13; uplink-frequency corrected for NN13_NN12 D1, D2
27	3929/ 3930		027	27/1/07	GRV	23:45:20 23:52:12	01:51:31 01:52:11	NNO	global	successfully performed	1145	Meteo-files missing for NN12; uplink-frequency corrected for NN13_NN12 D1, D2
28	3933/ 3934		029	29/1/07	GRV	01:44:08 01:50:42	04:44:02 04:50:41	NNO	global	successfully performed	1146	Meteo-files missing for NN12; uplink-frequency corrected for NN13_NN12 D1, D2
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
29	3934		029	29/1/07	GRV	06:15:38 06:22:12	06:55:38 07:13:42	NNO	Hellas Rim	successfully performed	1147	Meteo-files missing for NN12; uplink-frequency corrected for NN13_NN12 D1, D2; two folders used (_1, _2)
30	3950/ 3951		033	2/2/07	GRV	21:01:07	22:56:36	GST	global	partially performed	1148	no files with samplerate 1 per sec
31	3951/ 3952		034	3/2/07	GRV	02:39:42 02:46:16	05:39:35 05:46:15	NNO	global	successfully performed	1149	
32	3954/ 3955		034	3/2/07	GRV	23:41:43	01:49:02	NNO	global	successfully performed	1150	
33	3955/ 3956		035	4/2/07	GRV	05:32:08	07:52:38	NNO	global	failed	1151	No files available probably cancelled by MPS
34	3958/ 3959		036	5/2/07	GRV	01:41:16 01:47:50	04:41:23 04:47:49	NNO	global	successfully performed	1152	out of lock 04:29:26 - 04:30:15; cycle slip at 04:30:01.5
35	3979		041	10/2/07	GRV	20:41:22	21:14:22	GST	IsidesPlanetia	partially performed	1153	no files with samplerate 1 per sec

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36	3979/ 3980		041	10/2/07	GRV	23:38:28 23:44:44	01:45:54 02:03:40	NNO	global	successfully performed	1154	
37	3983/ 3984		043	12/2/07	GRV	01:38:09	04:38:06	NNO	global	partially performed	1155	NN11 AGC-files missing; uplink- frequency corrected for NN13_NN12 D1, D2; calibrations- files missing
<b>end of MTP 35</b>												
<b>start of MTP 36</b>												
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
38	3986/ 3987		043	12/2/07	GRV	21:47:21	00:15:55	GST	global	partially performed	1156	no S- and X-band files with samplerate 1 per sec
39	3990/ 3991		045	14/2/07	GRV	00:39:39 00:45:38	03:39:43 03:37:46	NNO	global	successfully performed	1157	
40	3992/ 3993		045	14/2/07	GRV	14:28:20	17:05:26	NNO	global	failed	1158	No files available probably cancelled by MPS
41	3993		045	14/2/07	GRV	18:37:26	19:17:26	GST	ElysiumMons	partially performed	1159	no S- and X-band files with samplerate 1 per sec
42	3995/ 3996		046	15/2/07	GRV	10:15:03	13:06:29	MAD	global	partially performed	1160	no files with samplerate 1 per sec GS changed to DSS-65 according to file content X-Band: 7048048A.ODF S-Band: 7048048B.ODF
43	4002/ 4003		048	17/2/07	GRV	09:21:04	12:16:11	DSS-65	global	performed	1161	
44	4010/ 4011		050	19/2/07	GRV	15:01:21	18:00:50	GST	global	performed	1162	X-Band: 7050050A.ODF S-Band: 7050050B.ODF

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45	4014/ 4015		051	20/2/07	GRV	17:53:34	20:47:12	GST	global	partially performed	1163	no S- and X-band files with samplerate 1 per sec
46	4017/ 4018		052	21/2/07	GRV	14:29:18	17:02:43	GST	global	partially performed	1164	no S- and X-band files with samplerate 1 per sec
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
47	4035/ 4036		057	26/2/07	GRV	14:58:36	17:52:12	GST	global	partially performed	1165	no S- and X-band files with samplerate 1 per sec
48	4042/ 4043		059	28/2/07	GRV	14:18:50	17:00:29	GST	global	partially performed	1166	no files with samplerate 1 per sec
49	4055/ 4056		063	4/3/07	GRV	05:20:58	07:35:30	NNO	global	failed	1167	No files available probably cancelled by MPS
50	4063/ 4064		065	6/3/07	GRV	11:05:55	13:07:30	MAD	global	partially performed	1168	no files with samplerate 1 per sec
51	4067/ 4068		066	7/3/07	GRV	14:18:55	16:58:29	GST	global	performed	1169	X-Band: 7066066B.ODF S-Band: 7066066C.ODF
52	4078/ 4079		069	10/3/07	GRV	17:03:25	18:53:00	GST	global	partially performed	1170	no S- and X-band files with samplerate 1 per sec
53	4082		070	11/3/07	GRV	16:33:58	17:13:58	GST	HuygensCrater	performed	1171	X-Band: 7070070A.ODF S-Band: 7070070B.ODF
54	4082/ 4083		070	11/3/07	GRV	18:45:32	20:57:06	GST	global	partially performed	1172	no files with samplerate 1 per sec

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end of MTP 36

start of MTP 37

#	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
55	4110/ 4111		078	19/3/07	GRV	14:53:47	17:53:47	DSS-15	global	performed	1173	GS changed to DSS-15 according to file content X-Band: 7078078A.ODF S-Band: 7078078B.ODF
56	4114/ 4115		079	20/3/07	GRV	17:46:21	20:46:15	GST	global	performed	1174	X-Band: 7079079B.ODF S-Band: 7079079C.ODF
57	4126/ 4127		083	24/3/07	GRV	02:24:06	05:24:07	NNO	global	partially performed	1175	wide range in S-band AGC; NN13 D2 sample-rate 1 per 10s; Frequency corrected for NN13; NN12 D2 has sample rate of 1 per
58	4129/ 4130		083	24/3/07	GRV	22:33:58	01:33:35	NNO	global	successfully performed	1176	S-band very noisy, peaks in data
59	4133/ 4134		085	26/3/07	GRV	01:26:08	04:26:09	NNO	global	failed	1177	No files available probably cancelled by MPS
60	4151/ 4152		090	31/3/07	GRV	02:22:46	05:22:50	NNO	global	successfully performed	1178	wide range in S-band AGC
61	4154/ 4155		090	31/3/07	GRV	22:40:41	01:32:12	NNO	global	successfully performed	1179	
62	4155		091	1/4/07	GRV	03:03:47	03:43:47	GST	Hellas Rim	partially performed	1180	no files with samplerate 1 per sec station changed from NNO to DSS-15
63	4157/ 4158		091	1/4/07	GRV	18:42:00	20:53:13	DSS-15	global	performed	1181	X-Band: 7091091A.ODF S-Band: 7091091B.ODF

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64	4158/ 4159		092	2/4/07	GRV	01:24:50	04:16:20	NNO	global	partially performed	1182	calibration-files misssing; wide range in S-band AGC
65	4165/ 4166		094	4/4/07	GRV	00:26:52	03:26:47	NNO	global	successfully performed	1183	calibration-files misssing
66	4166		094	4/4/07	GRV	04:58:21	05:38:21	GST	Hellas Rim	partially performed	1184	no S- and X-band files with samplerate 1 per sec
67	4174/ 4175		096	6/4/07	GRV	13:53:28	15:54:42	DSS-15	global	performed	1185	station changed from NNO to DSS-15 X-Band: 7096096B.ODF S-Band: 7096096C.ODF
68	4178/ 4179		097	7/4/07	GRV	15:55:59	18:47:06	DSS-15	global	performed	1186	station changed from NNO to DSS-15 X-Band: 7097097A.ODF S-Band: 7097097B.ODF
69	4179		097	7/4/07	GRV	20:19:06	20:59:06	GST	Tharsis	performed	1187	X-Band: 7097097A.ODF S-Band: 7097097B.ODF
70	4179/ 4180		097	7/4/07	GRV	23:19:00	01:30:48	NNO	global	successfully performed	1188	wide range in S-band AGC; noise in S-band residuals station changed from NNO to DSS-15
71	4182/ 4183		098	8/4/07	GRV	18:40:37	20:51:41	DSS-15	global	performed	1189	X-Band: 7098098A.ODF S-Band: 7098098B.ODF
72	4183/ 4184		099	9/4/07	GRV	01:23:15	04:23:21	NNO	global	partially performed	1190	calibration-files missing
<b>end of MTP 37</b>												
<b>start of MTP 38</b>												

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73	4185/ 4186		099	9/4/07	GRV	14:58:00	18:06:39	GST	global	performed	1191	X-Band: 7099099A.ODF S-Band: 7099099B.ODF
74	4186		099	9/4/07	GRV	19:28:10	20:17:13	DSS-15	VallesMarineris	performed	1192	station changed from NNO to DSN X-Band: 7099099A.ODF S-Band: 7099099B.ODF
75	4186/ 4187		099	9/4/07	GRV	22:31:13	00:49:49	NNO	global	successfully performed	1193	
76	4189/ 4190		100	10/4/07	GRV	17:43:31	21:00:06	GST	global	performed	1194	X-Band: 7100100A.ODF S-Band: 7100100B.ODF
77	4193/ 4194		101	11/4/07	GRV	20:35:08	23:51:43	NNO	global	successfully performed	1195	wide range in S-band AGC:
78	4194/ 4195		102	12/4/07	GRV	03:19:13	06:34:50	NNO	global	partially performed	1196	wide range in S-Band AGC; no calibration- or ranging-files
79	4201/ 4202		104	14/4/07	GRV	02:21:09	05:36:47	NNO	global	cancelled by MPS	1197	No files available probably cancelled by MPS
80	4209/ 4210		106	16/4/07	GRV	08:06:24	11:21:55	MAD	global	cancelled by MPS	1198	No files available probably cancelled by MPS
81	4112		107	17/4/07	GRV	02:02:41	03:00:41	NNO	ArsiaMons	partially performed	1199	calibration-files missing

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82	4215/ 4216		108	18/4/07	GRV	00:34:14	03:40:49	NNO	global	partially performed	1200	ranging- and calibration-files missing; large noise in S-band
83	4219/ 4220		109	19/4/07	GRV	04:33:51	06:33:27	NNO	global	successfully performed	1201	
84	4226/ 4227		111	21/4/07	GRV	02:23:49	05:35:24	NNO	global	successfully performed	1202	
85	4231/ 4232		112	22/4/07	GRV	12:50:35	15:10:40	GST (MAD)	global	partially performed	1203	no S- and X-band files with samplerate 1 per sec
86	4233/ 4234		113	23/4/07	GRV	01:22:47	04:37:22	NNO	global	partially performed	1204	calibration-files missing; large noise in S- and X-band
87	4235/ 4236		113	23/4/07	GRV	14:49:06	18:03:43	GST	global	performed	1205	X-Band: 7113113A.ODF S-Band: 7113113B.ODF
88	4237/ 4238		114	24/4/07	GRV	04:26:27	06:17:33	NNO	global	successfully performed	1206	
89	4242/ 4243		115	25/4/07	OCI	15:01:12	15:40:13	DSS-14	21.04 15.34 8.85	performed	1207	GS changed to DSS-14 according to file content; goes out of lock at 3470 km! ; RMP-file corrected X-Band: 7115115B.ODF
90	4249		117	27/4/07	OCI	13:50:14	14:29:14	GST	69.42 34.27 9.36	performed	1208	X-Band: 7117117B.ODF S-Band: 7117117C.ODF

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91	4253		118	28/4/07	OCI	16:40:32	17:19:32	GST	42.36 39.79 9.93	performed	1209	X-Band: 7118118A.ODF S-Band: 7118118B.ODF
92	4257		119	29/4/07	OCI	19:31:49	19:53:49	GST	14.95 44.30 10.24	successfully performed	1210	station changed from NNO to DSN X-Band: 7119119A.ODF S-Band: 7119119B.ODF
93	4258		120	30/4/07	OCI	02:14:45	02:53:45	NNO	278.10 45.33 10.31	successfully performed	1211	out of lock after 02:49; noise in residuals
94	4259		120	30/4/07	OCI	08:57:54	09:36:54	DSS-65	181.09 46.22 10.38	partially performed	1212	no S-band file with samplerate 1 per sec; S-Band transmitter not switched on due to planning boundary effect (email T.Zegers)
95	4262		121	1/5/07	OCI	05:07:14	05:46:14	NNO	250.45 48.96 10.62	successfully performed	1213	out of lock after 05:41:55; noise in residuals
96	4267		122	2/5/07	OCI	14:43:09	15:22:09	GST	126.08 52.83 11.01	performed	1214	X-Band: 7122122B.ODF S-Band: 7122122C.ODF
97	4274		124	4/5/07	GRV	10:38:23	11:35:23	DSS-65	Claritas Fossae S E	performed	1215	GS changed to DSS-65 according to file content X-Band: 7124124B.ODF S-Band: 7124124C.ODF
98	4278		125	5/5/07	OCI	16:40:34	17:19:34	GST	141.64 59.35 12.01	performed	1216	RMP-file corrected X-Band: 7125125A.ODF S-Band: 7125125B.ODF
99	4281		126	6/5/07	OCI	12:59:34	13:30:15	GST (MAD)	211.64 60.67 12.30	performed	1217	RMP-file corrected X-Band: 7126126A.ODF S-Band: 7126126B.ODF X-Band: 7126131A.RSR

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# Mars Express Radio Science Experiment - Science Operations Logbook

	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
100	4282		126	6/5/07	OCI	19:34:52	20:13:52	GST	115.16 61.11 12.42	successfully performed	1218	station change from NNO to DSN X-Band: 7126126A.ODF X- S-Band: 7126126B.ODF Band: 7126195A.RSR
101	4283		127	7/5/07	OCI	02:18:24	02:57:24	NNO	18.54 61.48 12.52	successfully performed	1219	out of lock after 02:52:58; wide range in AGC; noise in residuals
<b>end of MTP 38</b>												
<b>start of MTP 39</b>												
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
102	4290		129	9/5/07	OCI	01:23:45	02:02:45	NNO	63.32 63.65 13.32	cancelled by MPS	1220	obviously cancelled but TT&C data are available (NN11 sample rate: 1/s)
103	4298		131	11/5/07	GRV	03:54:30	04:51:30	NNO	Hellas	successfully performed	1221	
104	4299		131	11/5/07	OCI	13:57:14	14:36:14	GST		partially performed	1222	no S- and X-band files with samplerate 1 per sec
105	4310		134	14/5/07	OCI	15:59:45	16:38:45	NNO		failed	1223	No files available probably cancelled by MPS
106	4311/ 4312		134	14/5/07	OCI	22:43:37	23:22:38	NNO	199.90 63.67 15.92	successfully performed	1224	out of lock after 23:17:53; noise in residuals;

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## Mars Express Radio Science Experiment - Science Operations Logbook

107	4314/ 4315		135	15/5/07	OCI	18:55:30	19:34:31	GST	270.15 62.92 16.26	successfully performed	1225	station change from NNO to DSN X-Band: 7135135B.ODF S-Band: 7135135C.ODF
108	4317/ 4318		136	16/5/07	OCI	15:07:35	15:46:35	GST		partially performed	1226	no S- and X-band files with sample rate 1 per sec
109	4322/ 4323		138	18/5/07	OCI	00:47:27	01:26:28	NNO	216.61 60.04 17.09	successfully performed	1227	out of lock after 01:21:35
110	4330		139	19/5/07	OCI	23:56:01	00:35:01	NNO	257.88 56.73 17.70	successfully performed	1228	wide range in S-band AGC; noise in X-band residuals; out of lock after 00:30:03
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
111	4331		140	20/5/07	OCI	07:00:00	07:14:17	DSS-65		partially performed	1367	no X-band file with sample rate 1 per sec
112	4334		141	21/5/07	OCI	02:52:36	03:31:36	NNO	229.46 54.48 18.02	successfully performed	1229	out of lock after 03:26:34; noise in residuals;
113	4335		141	21/5/07	OCI	09:36:46	10:15:46	MAD		failed	1230	no data available
114	4339		142	22/5/07	OCI	12:33:36	12:55:36	DSS-15		performed	1231	station change from NNO to DSS- 15 X- Band: 7142125A.RSR S-Band: 7142125B.RSR
115	4350		145	25/5/07	OCI	14:40:45	15:19:45	GST		partially performed	1232	no S- and X-band files with sample rate 1 per sec
116	4351		145	25/5/07	OCI	21:25:10	22:04:10	NNO	14.14. 42.68 19.10	successfully performed	1233	out of lock after 21:58:59; large noise in S- and X-band;

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## Mars Express Radio Science Experiment - Science Operations Logbook

117	4355		147	27/5/07	OCI	00:22:36	01:01:36	NNO	343.89 39.37 19.30	successfully performed	1234	
118	4358		147	27/5/07	OCI	20:36:04	21:15:04	GST	51.13 36.55 19.46	successfully performed	1235	station changed from NNOto DSN X-Band: 7147147A.ODF S-Band: 7147147B.ODF
119	4360		148	28/5/07	OCI	10:05:11	10:44:11	DSS-65		successfully performed	1236	station change from NNOto DSN X-Band: 7148148A.ODF S-Band: 7148148B.ODF
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
120	4362		148	28/5/07	OCI	23:34:09	00:14:09	NNO	20.50 32.72 19.66	successfully performed	1237	frequency corrected in NN13_NN11; out of lock after 00:07:54; noise in residuals
121	4364		149	29/5/07	OCI	13:03:18	13:42:18	NNO		cancelled by MPS	1238	
122	4366		150	30/5/07	OCI	02:32:23	03:11:23	NNO	349.78 28.52 19.84	successfully performed	1239	out of lock after 03:06:09; noise in residuals; frequency corrected in NN13_NN12
123	4368		150	30/5/07	OCI	16:01:52	16:23:52	GST		successfully performed	1240	station change from NNOto DSN X-Band: 7150150A.ODF S-Band: 7150150B.ODF
124	4375		152	1/6/07	OCI	15:15:49	15:44:49	GST		partially performed	1241	no S- and X-band files with samplerate 1 per sec
125	4378		153	2/6/07	OCI	11:31:24	12:10:24	MAD		failed	1242	No files available
126	4380		154	3/6/07	OCI	01:02:28	01:41:28	NNO	62.34 6.47 20.61	partially performed	1243	Meteo-files missing; wide range in S-band AGC; large noise in data; out of lock after 01:36

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# Mars Express Radio Science Experiment - Science Operations Logbook

end of MTP 39

start of MTP 40

orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
127	4397/ 4398	158	7/6/07	GRV	23:35:25	02:35:25	NNO	global	performed	1244	wide range in S-band AGC
128	4402/ 4403	160	9/6/07	GRV	09:44:49	11:47:58	DSS-65	global	successfully performed	1245	station change from NNOto DSN X-Band: 7160160A.ODF S-Band: 7160160B.ODF
129	4409/ 4410	162	11/6/07	GRV	09:37:06	10:45:14	DSS-65	global	successfully performed	1246	station change from NNOto DSN X-Band: 7162162A.ODF S-Band: 7162162B.ODF
130	4414/ 4415	163	12/6/07	GRV	17:49:43	20:01:17	GST	global	successfully performed	1247	station change from NNOto DSN X-Band: 7163163B.ODF S-Band: 7163163C.ODF
131	4415/ 4416	164	13/6/07	GRV	00:32:53	02:24:26	NNO	global	performed	1248	wide range in S-band AGC
132	4422/ 4423	166	15/6/07	GRV	00:28:36	01:51:47	NNO	global	successfully performed	1249	Meteo-files missing; wide range in S-band AGC;
133	4425/ 4426	166	15/6/07	GRV	20:28:13	22:11:24	NNO	global	successfully performed	1250	wide range in S-band AGC
134	4439/ 4440	170	19/6/07	GRV	17:49:31	19:31:05	GST	global	successfully performed	1251	station change from NNOto DSN X-Band: 7170170B.ODF S-Band: 7170170C.ODF
135	4442/ 4443	171	20/6/07	GRV	14:32:28	16:25:36	GST	global	successfully performed	1252	station change from NNOto DSN X-Band: 7171171B.ODF S-Band: 7171171C.ODF

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# Mars Express Radio Science Experiment - Science Operations Logbook

	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
136	4447/ 4448		173	22/6/07	GRV	00:23:26	02:01:37	NNO	global	partially performed	1253	ranging and calibration files missing; METEO-files missing, files from DOY 176 used; wide range in S-band AGC
137	4449/ 4450		173	22/6/07	GRV	13:34:47	15:32:58	GST	global	successfully performed	1254	station change from NNO to DSN X-Band: 7173173B.ODF S-Band: 7173173C.ODF
138	4453/ 4454		174	23/6/07	GRV	16:27:34	18:15:14	NNO	global	cancelled by MPS	1255	no NNO visibility (email K. Scott)
139	4454/ 4455		174	23/6/07	GRV	22:37:21	01:08:56	NNO	global	failed	1256	no files available
140	4461/ 4462		176	25/6/07	GRV	21:39:41	00:11:15	NNO	global	successfully performed	1257	wide range in S-band AGC
141	4474/ 4475		180	29/6/07	GRV	13:44:29	15:27:42	GST	global	successfully performed	1258	station change from NNO to DSN X-Band: 7180180A.ODF S-Band: 7180180B.ODF
142	4478/ 4479		181	30/6/07	GRV	15:53:52	17:40:29	GST	global	successfully performed	1259	station change from NNO to DSN X-Band: 7181181A.ODF S-Band: 7181181B.ODF
143	4479/ 4480		181	30/6/07	GRV	23:20:29	01:13:38	NNO	global	successfully performed	1260	wide range in S-band-AGC
<b>end of MTP40</b>												
<b>start of MTP41</b>												

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# Mars Express Radio Science Experiment - Science Operations Logbook

	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
144	4486/ 4487		183	2/7/07	GRV	21:39:20	00:05:16	NNO	global	partially performed	1261	NIN13 data missing due to hardware failure of IFMS3 (email K. Scott 19.7.07). S-Band measurements were carried out
145	4489/ 4490		184	3/7/07	GRV	17:49:15	20:33:00	NNO	global	cancelled by MPS	1262	no NNOvisibility (email K. Scott)
146	4499/ 4500		187	6/7/07	GRV	13:29:07	15:26:46	NNO	global	cancelled by MPS	1263	
147	4502/ 4503		188	7/7/07	GRV	10:31:16	11:59:39	NNO	global	cancelled by MPS	1264	
148	4507/ 4508		189	8/7/07	GRV	19:14:32	20:29:52	NNO	global	partially performed	1265	NIN13 data missing due to hardware failure of IFMS3 (email K. Scott 19.7.07). S-Band measurements were carried out
149	4510/ 4511		190	9/7/07	GRV	14:55:46	17:14:52	NNO	global	cancelled by MPS	1266	
150	4511/ 4512		190	9/7/07	GRV	21:38:54	00:18:49	NNO	global	partially performed	1267	NIN13 data missing due to hardware failure of IFMS3 (email K. Scott 19.7.07). S-Band measurements were carried out
151	4517/ 4518		192	11/7/07	GRV	14:15:10	16:53:43	NNO	global	cancelled by MPS	1268	
152	4522/ 4523		194	13/7/07	GRV	00:02:22	01:22:54	NNO	global	cancelled by MPS	1269	

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# Mars Express Radio Science Experiment - Science Operations Logbook

	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
153	4531/ 4532		196	15/7/07	GRV	12:18:47	14:50:00	DSS-15	global	successfully performed	1270	G/S changed from NNO to DSS-15 (email K. Scott 10.08.07)
154	4545/ 4546		200	19/7/07	GRV	11:01:11	13:00:27	DSS-15	global	successfully performed	1271	G/S changed from NNO to DSS-15 (email K. Scott 10.08.07)
155	4557/ 4558		203	22/7/07	GRV	19:50:57	21:45:15	NNO	global	failed	1272	NIN13 data missing due to hardware failure of IFMS3 (email K. Scott 10.08.07). S-Band measurements were carried out
156	4567/ 4568		206	25/7/07	GRV	13:57:07	16:57:03	NNO	global	cancelled by MPS	1273	cancelled due to station loss (email T. Zegers 25.06.07)
157	4574/ 4575		208	27/7/07	GRV	13:12:52	15:59:18	NNO	global	failed	1274	no files available
158	4575/ 4576		208	27/7/07	GRV	19:55:49	22:38:50	NNO	global	partially performed	1275	NIN13 data missing due to hardware failure of IFMS3 (email K. Scott 10.08.07). S-Band measurements were carried out
159	4578/ 4579		209	28/7/07	GRV	15:52:08	17:44:53	NNO	global	cancelled by MPS	1276	cancelled due to station loss (email T. Zegers 25.06.07)
160	4582/ 4583		210	29/7/07	GRV	19:47:29	21:44:47	NNO	global	partially performed	1277	NIN13 data missing due to hardware failure of IFMS3 (email K. Scott 10.08.07). S-Band measurements were carried out
<b>end of MTP41</b>												
<b>start of MTP42</b>												

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# Mars Express Radio Science Experiment - Science Operations Logbook

	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
161	4592/ 4593		213	1/8/07	GRV	13:57:05	16:56:14	GST	global	successfully performed	1278	
162	4607/ 4608		217	5/8/07	GRV	18:44:56	20:23:53	GST	global	successfully performed	1279	
163	4614/ 4615		219	7/8/07	GRV	17:47:15	20:19:23	GST	global	successfully performed	1280	
164	4624/ 4625		222	10/8/07	GRV	12:59:10	15:19:21	GST	global	performed(-)	1281	
165	4642/ 4643		227	15/8/07	GRV	15:00:41	16:55:50	GST	global	successfully performed	1282	
166	4649/ 4650		229	17/8/07	GRV	13:58:01	15:58:10	DSS-14	global	performed	1283	G/S changed to DSS-14 according to file content
167	4653/ 4654		230	18/8/07	GRV	15:51:51	17:44:00	GST	global	successfully performed	1284	
168	4663/ 4664		233	21/8/07	GRV	11:03:47	14:03:02	GST	global	partially performed	1285	no S- and X-band files with samplerate 1 per sec
169	4667/ 4668		234	22/8/07	GRV	13:56:35	16:34:47	GST	global	cancelled by MPS	1286	

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# Mars Express Radio Science Experiment - Science Operations Logbook

	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
170	4674/ 4675		236	24/8/07	GRV	12:58:59	14:51:13	GST	global	performed	1287	
171	4677/ 4678		237	25/8/07	GRV	09:08:35	12:07:46	GST	global	successfully performed	1288	measurement is shortened due to G/S change (email T. Zegers 23.07.07)
<b>end of MTP42</b>												
<b>start of MTP43</b>												
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
172	4686/ 4687		239	27/8/07	GRV	22:27:37	00:36:34	NNO	global	partially performed	1289	no NN13 files; wrong uplink-frequency in NN12 header; large offset in NN12
173	4687		240	28/8/07	GRV	02:08:34	02:33:34	NNO	SouthPolarCap	partially performed	1290	no NN13 files; no meteor files; wrong uplink-frequency in NN12 header; large offset in NN12; NN11 D2 not usable
174	4690		240	28/8/07	GRV	22:18:10	22:58:10	NNO	SouthPolarCap	partially performed	1291	no NN13 files; NN11 D2 not usable;
175	4695/ 4696		242	30/8/07	GRV	10:06:11	13:05:22	GST	global	successfully performed	1292	
176	4697		242	30/8/07	GRV	21:20:37	22:00:37	NNO	SouthPolarCap	performed	1293	NN11 is X-band, NN12 is S-band

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## Mars Express Radio Science Experiment - Science Operations Logbook

177	4697/ 4698		242	30/8/07	GRV	23:32:37	02:28:58	NNO	global	partially performed	1294	station change to NNO, no NN13; NN12 is S-band; NN11 and NN12 non-coherent; NN12 not usable;
178	4699/ 4700		243	31/8/07	GRV	12:58:58	15:58:09	GST	global	performed	1295	
179	4702/ 4703		244	1/9/07	GRV	09:08:35	12:07:44	GST	global	failed	1296	no files available
180	4704		244	1/9/07	GRV	20:30:57	21:02:57	NNO	SouthPolarCap	partially performed	1297	no NN13 files; NN11 D2 not usable;
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
181	4706/ 4707		245	2/9/07	GRV	12:01:23	15:00:33	GST	global	successfully performed	1298	
182	4710/ 4711		246	3/9/07	GRV	14:54:09	17:29:56	GST	global	performed	1299	
183	4713/ 4714		247	4/9/07	GRV	11:03:46	14:02:55	GST	global	failed	1300	no files available
184	4715/ 4716		248	5/9/07	GRV	00:31:50	02:16:17	NNO	global	partially performed	1301	station change to NNO; no NN13 files; no Meteo-files;
185	4717/ 4718		248	5/9/07	GRV	13:56:33	16:55:43	GST	global	successfully performed	1302	
186	4722/ 4723		250	7/9/07	GRV	00:26:36	02:16:59	NNO	global	partially performed	1303	station change to NNO, no NN13 files; no Meteo-files;

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## Mars Express Radio Science Experiment - Science Operations Logbook

187	4727/ 4728		251	8/9/07	GRV	09:08:25	12:07:42	GST	global	successfully performed	1304	
188	4729/ 4730		251	8/9/07	GRV	22:54:59	01:34:07	GST	global	partially performed	1305	no RMP-file available
189	4731/ 4732		252	9/9/07	GRV	12:01:16	15:00:28	GST	global	failed	1306	no files available
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
190	4734/ 4735		253	10/9/07	GRV	08:30:20	11:10:04	GST	global	failed	1307	no files available
191	4738/ 4739		254	11/9/07	GRV	11:03:34	14:02:50	GST	global	successfully performed	1308	
192	4739/ 4740		254	11/9/07	GRV	18:56:07	20:46:01	GST	global	failed	1309	no files available
193	4741/ 4742		255	12/9/07	GRV	08:26:02	10:12:24	GST	global	partially performed	1310	no S- and X-band files with samplerate 1 per sec
194	4742/ 4743		255	12/9/07	GRV	13:56:24	16:55:34	GST	global	failed	1311	no files available
195	4745/ 4746		256	13/9/07	GRV	10:10:20	13:05:11	GST	global	performed	1312	
196	4747/ 4748		256	13/9/07	GRV	23:32:18	02:03:56	GST	global	failed	1313	no files available

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light red: task cancelled by ESOC PTR

## Mars Express Radio Science Experiment - Science Operations Logbook

197	4749/ 4750		257	14/9/07	GRV	12:58:40	15:57:56	GST	global	partially performed	1314	no S- and X-band files with samplerate 1 per sec
198	4754/ 4755		258	15/9/07	GRV	22:34:39	01:33:50	GST	global	partially performed	1315	no S- and X-band files with samplerate 1 per sec
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
199	4757/ 4758		259	16/9/07	GRV	19:06:20	21:43:24	GST	global	partially performed	1316	no S- and X-band files with samplerate 1 per sec
200	4763/ 4764		261	18/9/07	GRV	11:03:24	14:02:32	GST	global	successfully performed	1317	
201	4766/ 4767		262	19/9/07	GRV	08:14:27	10:12:03	GST	global	successfully performed	1318	
202	4767/ 4768		262	19/9/07	GRV	13:56:02	16:44:17	GST	global	successfully performed	1319	
203	4775/ 4776		264	21/9/07	GRV	19:41:32	22:40:42	NNO	global	partially performed	1320	station change to NNO; time-stamp-error in NN11 D2 19:29:03; NN11 D2 not usable;
204	4776		265	22/9/07	GRV	00:12:42	00:52:42	NNO	HellasRim	successfully performed	1321	
205	4777/ 4778		265	22/9/07	GRV	09:07:51	12:07:01	GST	global	successfully performed	1322	
206	4779/ 4780		265	22/9/07	GRV	23:42:03	01:33:23	NNO	global	successfully performed	1323	station change to NNO

white: planned task

grey: status of operation? to be checked

yellow: task to be completed

green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

207	4781/ 4782		266	23/9/07	GRV	12:00:36	14:59:44	GST	global	successfully performed	1324	
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
208	4782/ 4783		266	23/9/07	GRV	18:43:43	21:42:58	NNO	global	successfully performed	1325	station change to NNO; wide range in X-band AGC
<b>end of MTP43</b>												
<b>start of MTP44</b>												
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
209	4785/ 4786		267	24/9/07	GRV	15:15:21	16:59:48	NNO	global	failed	1326	no files available
210	4791/ 4792		269	26/9/07	GRV	08:13:37	09:44:02	GST	global	failed	1327	no files available
211	4793/ 4794		269	26/9/07	GRV	20:38:38	23:38:16	NNO	global	successfully performed	1328	station change to NNO
212	4797/ 4798		270	27/9/07	GRV	23:31:24	01:36:51	NNO	global	partially performed	1329	station change to NNO; many files missing; only few samples in the files (3 - 25); measurement not usable
213	4799/ 4800		271	28/9/07	GRV	12:57:41	15:57:14	NNO	global	failed	1330	no files available

white: planned task

grey: status of operation? to be checked

yellow: task to be completed

green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR

## Mars Express Radio Science Experiment - Science Operations Logbook

214	4801		272	29/9/07	GRV	00:12:05	00:52:05	NNO	Hellas	performed(-)	1331	station change to NNO, no METEO-files; NN11 D1, D2 files missing
215	4802/ 4803		272	29/9/07	GRV	09:07:13	12:06:48	GST	global	successfully performed	1332	
216	4806/ 4807		273	30/9/07	GRV	12:52:31	14:59:34	GST	global	failed	1333	no files available
217	4807/ 4808		273	30/9/07	GRV	18:42:42	21:42:38	NNO	global	successfully performed	1334	
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
218	4809/ 4810		274	1/10/07	GRV	08:08:57	11:08:54	GST	global	successfully performed	1335	
219	4810/ 4811		274	1/10/07	GRV	14:52:04	16:44:48	NNO	global	failed	1336	no files available
220	4811/ 4812		274	1/10/07	GRV	21:35:14	00:35:20	MAD	global	failed	1337	no data available
221	4813/ 4814		275	2/10/07	GRV	11:02:04	14:01:39	GST	global	successfully performed	1338	
222	4817/ 4818		276	3/10/07	GRV	13:54:16	16:54:24	NNO	global	failed	1339	no files available
223	4818/ 4819		276	3/10/07	GRV	20:37:32	23:37:28	NNO	global	successfully performed	1340	station change to NNO

white: planned task

grey: status of operation? to be checked

yellow: task to be completed

green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR

## Mars Express Radio Science Experiment - Science Operations Logbook

224	4822/ 4823		277	4/10/07	GRV	23:30:31	01:21:45	NNO	global	successfully performed	1341	station change to NNO
225	4825/ 4826		278	5/10/07	GRV	19:39:40	22:39:13	NNO	global	performed	1342	
226	4827/ 4828		279	6/10/07	GRV	09:05:59	12:05:58	GST	global	partially performed	1343	no files with samplerate 1 per sec
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
227	4829/ 4830		279	6/10/07	GRV	22:32:22	01:17:51	NNO	global	performed	1344	station change to NNO; wide range in X-band AGC
228	4831/ 4832		280	7/10/07	GRV	11:58:38	14:58:33	GST	global	partially performed	1345	no files with samplerate 1 per sec
229	4834/ 4835		281	8/10/07	GRV	08:08:06	11:08:07	GST	global	successfully performed	1346	
230	4835/ 4836		281	8/10/07	GRV	14:51:43	16:29:51	NNO	global	failed	1347	no files available
231	4838/ 4839		282	9/10/07	GRV	11:00:49	14:00:47	GST	global	partially performed	1348	no files with samplerate 1 per sec
232	4839/ 4840		282	9/10/07	GRV	18:05:12	20:44:03	NNO	global	performed	1349	
233	4841/ 4842		283	10/10/07	GRV	07:27:10	10:10:16	GST	global	successfully performed	1350	

white: planned task

grey: status of operation? to be checked

yellow: task to be completed

green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR

## Mars Express Radio Science Experiment - Science Operations Logbook

234	4842/ 4843		283	10/10/07	GRV	13:53:53	16:24:50	NNO	global	failed	1351	no files available
235	4849/ 4850		285	12/10/07	GRV	12:56:06	15:55:16	GST	global	partially performed	1352	no files with samplerate 1 per sec
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
236	4850/ 4851		285	12/10/07	GRV	19:39:16	22:38:29	NNO	global	successfully performed	1353	station change to NNO; much noise in NN11 D1 differential doppler and x-band residual data; wide range in x-band AGC for
237	4854		286	13/10/07	GRV	20:19:53	20:59:53	MAD	Hellas	partially performed	1354	no files with samplerate 1 per sec
238	4854/ 4855		286	13/10/07	GRV	22:31:53	01:01:50	NNO	global	successfully performed	1355	station change to NNO; wide range in X-band AGC;
239	4857/ 4858		287	14/10/07	GRV	18:41:25	21:40:39	NNO	global	successfully performed	1356	station change to NNO
240	4861/ 4862		288	15/10/07	GRV	21:34:08	00:33:21	NNO	global	successfully performed	1357	station change to NNO
241	4863/ 4864		289	16/10/07	GRV	11:00:30	13:59:38	DSS-14	global	successfully performed	1358	GS changed according to file content
242	4865		289	16/10/07	GRV	22:14:47	22:54:46	NNO	Hellas	successfully performed	1359	station change to NNO; NN11 D2 not usable;
243	4866/ 4867		290	17/10/07	GRV	07:09:54	10:09:10	GST	global	partially performed	1360	no files with samplerate 1 per sec

white: planned task

grey: status of operation? to be checked

yellow: task to be completed

green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

244	4867/ 4868		290	17/10/07	GRV	13:53:09	16:09:49	GST	global	partially performed	1361	no files with samplerate 1 per sec
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
245	4873/ 4874		292	19/10/07	GRV	07:06:10	09:11:26	DSS-14	global	successfully performed	1362	GS changed according to file content
246	4874/ 4875		292	19/10/07	GRV	12:55:25	15:54:33	GST	global	partially performed	1363	no files with samplerate 1 per sec
247	4879/ 4880		293	20/10/07	GRV	22:31:16	00:43:54	NNO	global	successfully performed	1364	station change to NNO
248	4881/ 4882		294	21/10/07	GRV	11:57:37	14:56:50	GST	global	partially performed	1365	no files with samplerate 1 per sec
249	4882/ 4883		294	21/10/07	GRV	18:40:49	21:40:01	NNO	global	successfully performed	1366	station change to NNO
<b>end of MTP44</b>												
<b>start of MTP45</b>												
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
250	4886/ 4887		295	22/10/07	GRV	21:46:31	00:32:41	NNO	global	successfully performed	1368	

white: planned task

grey: status of operation? to be checked

yellow: task to be completed

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## Mars Express Radio Science Experiment - Science Operations Logbook

251	4889/ 4890		296	23/10/07	GRV	17:43:04	20:42:16	NNO	global	successfully performed	1369	
252	4893/ 4894		297	24/10/07	GRV	20:35:49	23:35:01	NNO	global	successfully performed	1370	
253	4907/ 4908		301	28/10/07	GRV	18:40:27	21:39:36	NNO	global	successfully performed	1371	
254	4908		301	28/10/07	GRV	23:11:36	23:51:36	NNO	Hellas	successfully performed	1372	
255	4911/ 4912		302	29/10/07	GRV	21:33:10	00:17:21	NNO	global	performed	1373	
256	4918/ 4919		304	31/10/07	GRV	21:12:32	23:34:41	NNO	global	successfully performed	1374	wide range in x-band AGC
257	4953/ 4954		314	10/11/07	GRV	16:32:11	18:46:18	NNO	global	successfully performed	1375	
258	4978/ 4979		321	17/11/07	GRV	15:51:05	18:46:22	NNO	global	successfully performed	1376	
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
259	4982/ 4983		322	18/11/07	GRV	18:39:53	20:29:07	NNO	global	successfully performed	1377	
<b>end of MTP45</b>												
<b>start of MTP46</b>												

white: planned task

grey: status of operation? to be checked

yellow: task to be completed

green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
260	4985		323	19/11/07	GRV	15:59:12	17:50:04	NNO	global	successfully performed	1378	
261	4989		324	20/11/07	GRV	17:45:07	20:16:16	NNO	global	performed	1379	
262	5003		328	24/11/07	GRV	15:56:33	18:56:13	NNO	global	successfully performed	1380	
263	5007		329	25/11/07	GRV	18:51:15	21:50:56	NNO	global	successfully performed	1381	
264	5010		330	26/11/07	GRV	15:29:41	18:07:24	NNO	global	successfully performed	1382	
265	5014		331	27/11/07	GRV	18:07:51	19:48:36	NNO	global	successfully performed	1383	
266	5017		332	28/11/07	GRV	15:20:37	17:25:47	NNO	global	successfully performed	1384	
267	5021		333	29/11/07	GRV	17:26:15	19:40:38	NNO	global	successfully performed	1385	
268	5035		337	3/12/07	GRV	16:06:46	19:10:01	NNO	global	failed	1386	no files available

white: planned task  
 grey: status of operation? to be checked  
 yellow: task to be completed  
 green: task completed

dark red: task failed or cancelled after ESOC PTR  
 light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
269	5039	338	4/12/07	GRV	19:15:55	21:40:43	NNO	global	partially performed	1387	wide range in X-Band AGC, ranging-files missing
270	5042	339	5/12/07	GRV	15:37:50	18:41:09	NNO	global	successfully performed	1388	
271	5049	341	7/12/07	GRV	15:08:54	18:12:17	NNO	global	successfully performed	1389	
272	5063	345	11/12/07	GRV	14:20:36	17:25:44	NNO	global	partially performed	1390	ranging-files missing
273	5070	347	13/12/07	GRV	14:05:55	17:09:43	NNO	global	successfully performed	1391	
274	5074	348	14/12/07	GRV	15:09:07	15:49:07	NNO	Pavonis	successfully performed	1392	noise in X-Band
<b>end of MTP46</b>											
<b>start of MTP47</b>											
orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	remarks comments
5091/ 5092		353	19/12/07	GRV	13:28:44	16:35:15	NNO	global	successfully performed	1393	wide range in AGC

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 green: task completed

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## Mars Express Radio Science Experiment - Science Operations Logbook

5092		353	19/12/07	GRV	18:07:15	18:47:15	NNO	Pavonis	performed	1394	NN11 D1, D2 missing
5095/ 5096		354	20/12/07	GRV	16:50:48	19:57:12	NNO	global	performed(-)	1395	measurement was stoped and restartet in NN11 and NN12, several times out of lock between 18:33:21 and 18:44:29
5098/ 5099		355	21/12/07	GRV	13:22:15	16:28:49	NNO	global	successfully performed	1396	
5102/ 5103		356	22/12/07	GRV	16:44:09	19:50:35	NNO	global	successfully performed	1397	wide range in X-Band AGC
5105/ 5106		357	23/12/07	GRV	13:15:40	16:22:13	NNO	global	successfully performed	1398	peaks in data
5109/ 5110		358	24/12/07	GRV	16:37:34	19:44:04	NNO	global	successfully performed	1399	wide range in X-Band AGC
5119/ 5120		361	27/12/07	GRV	13:02:27	16:08:54	NNO	global	successfully performed	1400	peaks in data
5126/ 5127		363	29/12/07	GRV	12:55:47	16:02:15	NNO	global	failed	1401	no files available
<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>remarks comments</b>
5130/ 5131		364	30/12/07	GRV	16:17:44	19:11:14	NNO	global	failed	1402	no files available
5133/ 5134		365	31/12/07	GRV	12:49:10	15:55:38	NNO	global	failed	1403	no files available

white: planned task

grey: status of operation? to be checked

yellow: task to be completed

green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

## MTP 47 (prequel to Mars\_ops\_logbook 08)


white: planned task  
grey: status of operation? to be checked  
yellow: task to be completed  
green: task completed

dark red: task failed or cancelled after ESOC PTR  
light red: task cancelled by ESOC PTR































































































































































































































































































































































































































































































































































































































































# Mars Express Radio Science Experiment - Science Operations Logbook


white: planned task  
grey: status of operation? to be checked  
yellow: task to be completed  
green: task completed  
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light red: task cancelled by ESOC PTR





# Mars Express Radio Science Experiment - Science Operations Logbook

processed?	archived?								
		0	cancelled by M	0	PSA				
L1a&b	L02								
processed?	archived?								
L1a&b	L02								
L1a&b	L02								
L1a&b	L02								
L1a&b	L02								
L1a&b	L02								

white: planned task  
 grey: status of operation? to be checked  
 yellow: task to be completed  
 green: task completed  
 dark red: task failed or cancelled after ESOC PTR  
 light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
<b>processed?</b>	<b>archived?</b>									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									

white: planned task

grey: status of operation? to be checked

yellow: task to be completed

green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

L1a&b	L02										
L1a&b	L02										
processed?	archived?										
L1a&b											
L1a&b	L02										
L1a&b											
L1a&b	L02										
L1a&b	L02										

white: planned task  
 grey: status of operation? to be checked  
 yellow: task to be completed  
 green: task completed  
 dark red: task failed or cancelled after ESOC PTR  
 light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

L1a&b										
L1a&b										
processed?	archived?									
L1a&b										
L1a&b L02										
L1a&b										
L1a&b L02										

white: planned task  
 grey: status of operation? to be checked  
 yellow: task to be completed  
 green: task completed  
 dark red: task failed or cancelled after ESOC PTR  
 light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

processed?	archived?									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									

white: planned task  
 grey: status of operation? to be checked  
 yellow: task to be completed  
 green: task completed  
 dark red: task failed or cancelled after ESOC PTR  
 light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

processed?	archived?								
L1a&b	L02								
L1a&b	L02								
L1a&b									
L1a&b	L02								
L1a&b	L02								
L1a&b	L02								
L1a&b	L02								
L1a&b	L02								
L1a&b	L02								
L1a&b	L02								

white: planned task  
 grey: status of operation? to be checked  
 yellow: task to be completed  
 green: task completed  
 dark red: task failed or cancelled after ESOC PTR  
 light red: task cancelled by ESOC PTR

# Mars Express Radio Science Experiment - Science Operations Logbook

processed?	archived?									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
L1a&b	L02									
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