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?	processed? archived? Volume-ID	remarks comments	Data Review
1	220		079	19/3/04	GRV	15:48	16:28	DSS65	Elysium Mons	performed	CD-ROM mailed & arrived Volume_ID: 0014		Volume_Id given
2	233		083	23/3/04	GRV	18:20	19:00	DSS65	Hellas	performed	CD-ROM mailed & arrived Volume_ID: 0015		Volume_Id given
3	246		087	27/3/04	GRV	20:53	21:15	DSS65	Hellas	performed	CD-ROM mailed & arrived Volume_ID: 0016		Volume_Id given
4	258		091	31/3/04	OCI	13:59	14:19	DSS65	358.27 11.99	not performed		information relay problem	
5	262		092	1/4/04	OCI	20:14	20:34	DSS55	278.08 21.27	not performed		X-band only; information relay problem	
6	264		093	2/4/04	OCI	11:24:00 11:03:58	11:44:00 11:48:01	NNO	56.61 23.05	performed	new L1a&b new L02_Ver_1.0 Volume_ID: 0017	no problems	Volume_ID given; all files available
7	265	306	093	2/4/04	OCI	18:57	19:17	DSS65	306.97 26.01	performed		failure? Signal went one-way at 18:41. error in sequence	
8	267		094	3/4/04	OCI	10:07:00 09:47:52	10:27:00 10:31:19	NNO	85.57 27.92	performed	new L1a&b new L02_Ver_1.0 Volume_ID: 0018	no problems	Volume_ID given; all files available

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9	271	308	095	4/4/04	OCI	16:26	16:46	DSS55	3.92 33.67	performed	CD-ROM mailed & arrived Volume_ID: 0019	X-band only error in sequence?	Volume_Id given
10	272		096	5/4/04	TWOD-X	10:08	11:36	NNO	commissioning	peformed	new L02	NN11 and NN13 files are missing; NN12 AGC-files are missing	
11	276		097	6/4/04	TWOD-S	08:35:00 08:55:05	10:50:00 11:48:00	NNO	commissioning	performed	new L1a&b level 1a & 1b, L2 Volume_ID: 0020	X-BAND AND S-BAND UPLINK-FREQUENCY NOT EQUAL; SAMPLE-INTERVAL X- AND S-BAND 1.0	Volume_ID given; all files available;
12	279		098	7/4/04	OCI	05:04:00 05:00:10	05:24:00 05:30:09	NNO	199.97 43.35	performed	new L1a&b new L02_Ver_1.0 Volume_ID: 0021	D1-files: X-BAND AND S-BAND UPLINK-FREQUENCY NOT EQUAL; D2-files: OK	Volume_ID given; all files available;
13	281	311	098	7/4/04	OCI	20:13	20:33	DSS54	340.23 46.93	performed	CD-ROM mailed & arrived Volume_ID: 0022	X-band only; occultation at 20:34:31??; TM & RNG was ON	Volume_Id given
14	282		099	8/4/04	GRV	05:15:00 05:46:02	09:53:00 10:46:01	NNO		performed	new L1a&b new L02_Ver_1.0 (doppler) & Range, Volume_ID: 0023	global coverage; D1-files: X-BAND AND S-BAND UPLINK-FREQUENCY NOT EQUAL; NN12 D1 were marked as S-Band; NN13 D1 and D2 files have a	Volume_ID given; all files available;
15	284	312	099	8/4/04	OCI	18:58	19:18	DSS54	8.51 49.87	performed	CD-ROM mailed & arrived Volume_ID: 0024	X-band only; occultation at 19:19:40??; TM & RNG was OFF	Volume_Id given
16	286		100	9/4/04	OCI PHO	10:08:00 09:14:30	10:28:00 11:04:16	NNO		performed	new L1a&b new L02_Ver_1.0 Volume_ID: 0025	Phobos flyby distance is 380 km; closest approach within occultation; NN11 D2 is OK but NN12 and NN13 files are missing and the information in the	Volume_ID given; all files available.

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17	287	313	100	9/4/04	OCI	17:43	18:03	DSS65	36.80 52.72	performed	CD-ROM mailed & arrived Volume_ID: 0026	X-band only! Why??? Occultation at 18:04:43?? TM & RNG OFF	Volume_Id given
18	289		101	10/4/04	OCI	8:53	9:13	DSS65	175.74 54.61	not performed		ground station not scheduled	
19	290	314	101	10/4/04	OCI	16:28	16:48	DSS65	65.24 55.57	performed	CD-ROM mailed & arrived Volume_ID: 0027	X-band only? WHY?? Occultation at 16:48:46 ?	Volume_Id given
20	292		102	11/4/04	OCI	07:40:00 06:26:14	08:00:00 08:06:07	NNO	202.52 56.35	performed	new L1a&b new L02_Ver_1.0 Volume_ID: 0028	no NN12 files; NN11 files have a samplerate of 1.0 per sec; X-BAND AND S-BAND UPLINK-FREQUENCY NOT EQUAL; NN11 D1 and D2 are OK	Volume_ID given; all files beside NN12
21	293	315	102	11/4/04	OCI	15:15	15:35	DSS55	92.00 57.28	performed	CD-ROM mailed & arrived Volume_ID: 0029	X-band only; occultation at 15:34:51?? SOE says 15:33:48!	Volume_Id given
22	295		103	12/4/04	OCI	06:25:00 06:20:07	06:45:00 06:50:03	NNO	231.11 59.29	performed	new L1a&b new L02_Ver_1.0 Volume_ID: 0030	sample rate 1.o per sec; files complete	Volume_ID given; all files available
23	296		103	12/4/04	OCI	14:00	14:20	DSS54	120.62 60.19	not performed		X-band only; no signal found; no recording; cause unknown	
24	300	317	104	13/4/04	OCI	20:20	20:40	DSS54	38.94 63.93	performed	CD-ROM mailed & arrived Volume_ID: 0031	X-band only	Volume_Id given

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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?	processed? archived? Volume-ID	remarks comments	Data Review
25	302		105	14/4/04	OCI	11:30	11:50	DSS65	178.23 65.70	not performed		ground station not scheduled until 13:30	
26	303	318	105	14/4/03	OCI	19:06	19:26	DSS65	65.40 65.66	performed	CD-ROM mailed & arrived Volume_ID: 0032	S- and X-band OK	Volume_Id given
27	305		106	15/4/04	OCI	10:17	10:37	DSS65	204.97 67.59	not performed		ground station not scheduled	
28	306	319	106	15/4/04	OCI	17:52	18:12	DSS54	94.66 68.44	performed	CD-ROM mailed & arrived Volume_ID: 0033	X-band only	Volume_Id given
29	308		107	16/4/04	OCI	09:02:00 09:02:09	09:22:00 09:25:13	NNO	234.37 70.27	performed	new L1a&b new L02_Ver_1.0 Volume_ID: 0034	sample rate 1.o per sec	Volume_ID given; all files available
30	309	320	107	16/4/04	OCI	16:37	16:57	DSS55	124.15 71.08	performed	CD-ROM mailed & arrived Volume_ID: 0035	X-band only	Volume_Id given
31	311		108	17/4/04	OCI	07:48:00 07:29:35	08:08:00 08:10:24	NNO	260.56 72.04	performed	new L1a&b new L02 Volume_ID: 0036	only NN1 files; sample rate 1.o per sec	Volume_ID given; only NN11 files available
32	312	321	108	17/4/04	OCI	15:23	15:43	DSS65	150.36 72.87	performed	CD-ROM mailed & arrived Volume_ID: 0037	One-way. X- outside passband; S- OK	Volume_Id given

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33	314		109	18/4/04	OCI	06:33:00 06:16:04	06:53:00 06:56:35	NNO	290.19 74.54	performed	new L1a&b new L02 Volume_ID: 0038	only NN1 files; sample rate 1.o per sec	Volume_ID given; only NN11 files available
34	317		110	19/4/04	OCI	5:20	5:40	NNO	316.51 76.45	failed	new L1a&b level 1a & 1b	no AGC; only NN1 files; wrong time, no match in time at all	
35	320		111	20/4/04	OCI	4:05	4:25	NNO	347.74 78.90	failed	new L1a&b level 1a & 1b	no files beside Meteo	
orbits 320 - 369 Shadow Plan incl. SSMM SW upload and test; no MaRS ops in this time													
orbits 370 - 443 Marsis commissioning; only NNO coverage for MaRS													
36	371		127	6/5/04	OCI	7:08	7:28	NNO	272.46 69.64	cancelled		due to Marsis deployment postponement	
37	371		127	6/5/04	OCE	8:26	8:46	NNO	196.81 -86.53	cancelled		due to Marsis deployment postponement	
38	374		128	7/5/04	OCI	5:28	5:48	NNO	306.98 68.34	cancelled		due to Marsis deployment postponement	
39	374		128	7/5/04	OCE	6:45	7:05	NNO	234.95 -86.35	cancelled		due to Marsis deployment postponement	
40	377		129	8/5/04	OCI	2:53	3:13	NNO	354.39 66.89	?		Keine Radio Science Daten	

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41	377		129	8/5/04	OCE	4:10	4:30	NNO	272.34 -85.40	?		Keine Radio Science Daten	
42	381		130	9/5/04	OCI	7:26	7:46	NNO	297.42 65.02	?		Keine Radio Science Daten	
43	381		130	9/5/04	OCE	8:41	9:01	NNO	230.35 -85.49	?		Keine Radio Science Daten	
44	384		131	10/5/04	OCI	4:51	5:11	NNO	344.85 63.62	cancelled		due to orbit change support	
45	384		131	10/5/04	OCE	6:06	6:26	NNO	267.02 -84.63	cancelled		due to orbit change support	
46	?		131	10/5/04	OCI	18:42	19:07	DSS65	?	not performed		included in short notice; to short for support at JPL	
47	389	345	132	11/5/04	OCI	14:54	15:19	DSS65	?	performed	CD-ROM mailed & arrived Volume_ID: 0039	included in short notice. Bad predicts; X- out of passband, S- may be OK	Volume_Id given
48	388		132	11/5/04	OCI	8:11	8:31	NNO	305.99 62.47	cancelled		due to orbit change support	

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49	388		132	11/5/04	OCE	9:25	9:45	NNO	232.95 -84.53	cancelled		due to orbit change support	
50	391		133	12/5/04	GRV	3:07	4:05	NNO	global	cancelled		due to orbit change support	

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51	391		133	12/5/04	OCI	4:23	4:43	NNO	12.13 60.62				
52	391/392		133	12/5/04	GRV	5:36	11:08	NNO	global	cancelled		due to orbit change support	
52a	393	346	133	12/5/04	OCI	17:52	18:12	DSS65		performed	CD-ROM mailed & arrived Volume_ID: 0040	S,X drifting but OK	Volume_Id given
53	394/395		134	13/5/04	GRV	3:07	7:00	NNO	global	cancelled		due to orbit change support	
54	395		134	13/5/04	OCI	7:18	7:38	NNO	339.63 58.59	cancelled		due to orbit change support	
55	395		134	13/5/04	GRV	8:30	11:07	NNO	global	cancelled		due to orbit change support	
56	398		135	14/5/04	GRV	3:05	3:10	NNO	global	cancelled		due to orbit change support	
57	398		135	14/5/04	OCI	3:28	3:48	NNO	43.77 58.43	cancelled		due to orbit change support	
58	398/399		135	14/5/04	GRV	4:41	11:07	NNO	global	cancelled		due to orbit change support	

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59	401/402		136	15/5/04	GRV	3:03	6:05	NNO	global	partially performed	new Level 1a&b level 1a & 1b, level 2 Doppler & Range	no NN13 files, no files at all	
60	402		136	15/5/04	OCI	06:23:00 04:50:32	06:43:00 06:45:01	NNO	11.41 56.40	performed	new L02 Volume_ID: 0041	only NN12; sample rate 1.0 per sec	Volume_ID given; only NN12 files available
61	402		136	15/5/04	GRV	7:35	11:05	NNO	global	failed	level 1a & 1b	no files there	
61a	403	349	136	15/5/04	OCI	13:14	13:31	DSS65		not requested; performed	CD-ROM mailed & arrived Volume_ID: 0042	X- drifted out of passband; no S	Volume_Id given
61b	404	349	136	15/5/04	OCI	20:00	20:15	DSS65		not requested; performed	CD-ROM mailed & arrived Volume_ID: 0043	X- OK, no S.	Volume_Id given
62	405		137	16/5/04	GRV	03:45:00 05:57:13	09:00:00 09:39:06	NNO	global	performed	new L1a&b new L02 Volume_ID: 0044	Timestamp of doppler data is from 5:57 to 8:57 for S- and X-Band, from 8:57 to 9:39 only X-Band	Volume_ID given; all files available
63	406		137	16/5/04	GRV	10:28	11:03	NNO	global	not performed	level 1a & 1b	no suitable doppler files on jupiter available; no two Radio science missions per day possible	
64	408/409		138	17/5/04	GRV	3:02	5:10	NNO	global	cancelled		cancelled according to SFOS	
65	409		138	17/5/04	OCI	5:28	5:48	NNO	43.31 54.34	cancelled		cancelled according to SFOS	

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66	409/410		138	17/5/04	GRV	6:38	11:03	NNO	global	cancelled		cancelled according to SFOS	

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66a	411	351	138	17/5/04	OCI	19:02	19:22	DSS65		performed	CD-ROM mailed & arrived Volume_ID: 0045	S-, X- both OK	Volume_Id given
67	412		139	18/5/04	GRV	3:31	5:01	NNO	global	cancelled		Keine Radio Science Daten	
68	413		139	18/5/04	OCI	8:24	8:49	MAD	10.99 52.24	cancelled			
69	413		139	18/5/04	GRV	9:24	10:04	MAD	Pavonis Mons	cancelled			
70	414	352	139	18/5/04	OCI	15:07	15:32	DSS65	272.50 52.20	performed	CD-ROM mailed & arrived Volume_ID: 0046	looks good at S and X	Volume_Id given
71	416		140	19/5/04	OCI	4:35	5:00	NNO	76.98 50.09	cancelled		Keine Radio Science Daten	
72	416		140	19/5/04	OCE	5:37	6:02	NNO	358.45 -81.90	cancelled			
73	417		140	19/5/04	OCI	11:19	11:44	MAD	338.55 50.11	cancelled			
74	418		140	19/5/04	GRV	19:01	19:41	MAD	Olympus Mons	cancelled			

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75	420		141	20/5/04	OCI	7:30	7:55	NNO	44.48 47.96	cancelled		Keine Radio Science Daten	
76	420		141	20/5/04	OCE	8:30	8:55	NNO	330.22 -81.94	cancelled			
77	421		141	20/5/04	OCI	14:14	14:39	DSS65	306.07 47.94	?		no ops	
78	422/423		142	21/5/04	BSR	0:30	3:30	DSS14	64.09N 60.05E	performed	Volume_ID: 0047	BCAL 00:30 - 01:00 SLEW 01:00 - 01:30 BSR 01:30 - 02:30 SLEW 02:30 - 03:00 BCAL 02:30 - 03:30	Volume_Id given
79	423		142	21/5/04	OCI	3:40	4:05	NNO	109.20 47.97	cancelled			
80	423		142	21/5/04	OCE	4:40	5:05	NNO	37.81 -81.86	cancelled			
81	424		142	21/5/04	OCI	10:24	10:49	DSS65	10.77 48.03	?		no ops	
82	425		142	21/5/04	OCI	17:07	17:32	DSS65	272.32 48.04	?		no ops	

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83	425		142	21/5/04	GRV	18:04	18:44	MAD	Olympus Mons	cancelled			
84	427		143	22/5/04	OCI	06:35:00 05:57:00	07:00:00 06:57:00	NNO	76.74 45.73	performed	new L1a&b new L02 Volume_ID 0048	Timestamp of doppler data is from 5:57 to 6:57 for S- and X-Band	Volume_ID given; all files available
85	427		143	22/5/04	OCE	7:34	7:59	NNO	9.41 -81.81	cancelled			
86	428		143	22/5/04	OCI	13:19	13:39	DSS65	338.86 45.78	?	Volume_ID: 0049	no Info	Volume_ID given
87	429		143	22/5/04	OCI	20:02	20:27	DSS65	239.86 45.91	?	Volume_ID: 0050	no Info	Volume_ID given
88	429		143	22/5/04	GRV	20:57	21:27	MAD	Ascraeus Mons	cancelled			
89	430		144	23/5/04	OCI	2:45	3:10	NNO	141.49 45.90	cancelled			
90	430		144	23/5/04	OCE	3:45	4:10	NNO	55.29 -80.43	cancelled			

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91	431		144	23/5/04	OCI	9:29	9:54	DSS65	43.00 46.05	?		no ops	
92	431		144	23/5/04	OCE	10:29	10:54	MAD	318.41 -80.53	cancelled			
93	434		145	24/5/04	OCI	5:41	6:06	NNO	109.11 43.56	failed	level 1a & 1b & 2(only doppler)	only NN11 data available, Timestamp of doppler data from 3:33 to 5:24 and from 8:59:10:53; no match in time	
94	434		145	24/5/04	OCE	6:39	7:04	NNO	25.23 -80.51	cancelled			
95	435		145	24/5/04	OCI	12:24	12:49	DSS65	10.72 43.56	?	CD-ROM mailed & arrived Volume_ID: 0051	not in POS MREQ but PTR says ok	Volume_Id given
96	436	358	145	24/5/04	OCI	19:07	19:32	DSS65	272.30 43.70	performed	new L1a&b CD-ROM mailed & arrived Volume_ID: 0052	looks good at S and X	Volume_Id given
97	436		145	24/5/04	OCE	20:11	20:31	MAD	190.09 -80.55	cancelled			

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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?	processed? archived? Volume-ID	remarks comments	Data Review
start of Phase 6													
98	438		146	25/5/04	OCI	08:36:00 07:36:00	09:01:00 09:04:00	NNO	76.67 41.16	performed	new L1a&b new L02 Volume_ID: 0053	only NN11 data available, Timestamp of doppler data from 7:46 to 9:04; sample rate 1.0 per sec	Volume_ID given; only NN11 files available
99	441		147	26/5/04	OCI	04:46:00 03:48:00	05:11:00 05:13:00	NNO	141.52 41.43	performed	new L1a&b new L02_Ver_1.0 Volume_ID: 0054	Timestamp of doppler data is from 3:48 to 5:13 for S- and X-Band	Volume_ID given; all files available
100	445		148	27/5/04	OCI	07:41:00 06:44:00	08:06:00 10:02:00	NNO	109.15 38.88	performed	Volume_ID: 0055		Volume_Id given
101	446		148	28/5/04	OCI	14:24	14:49	DSS65	10.79 39.00	failed		failed; no uplink	
102	448		149	28/5/04	OCI	3:51	4:16	NNO	174.03 39.18	failed	new L1a&b level 1a & 1b & 2(only doppler)	only NN11 data available, Timestamp of doppler data from 3:27 to 3:58, 5:56 to 6:55, 9:34 to 10:17 ; no match in time	
103	449		149	28/5/04	OCI	10:34	10:59	MAD	75.59 39.36	cancelled		in POS MREQ but PTR says "cancelled"	
104	450	362	149	28/5/04	OCI	17:17:00 17:25	17:42:00 17:40	DSS65	337.26 39.43	performed	CD-ROM mailed & arrived Volume_ID: 0056	S and X OK	Volume_Id given
105	452		150	29/5/04	OCI	06:46:00 05:48:00	07:11:00 07:10:00	NNO	141.46 36.62	performed	new L1a&b new L02_Ver_1.0 Volume_ID: 0057	Timestamp of doppler data is from 5:48 to 7:10 for S- and X-Band; sample rate 1.0 per sec	Volume_ID given; all files available

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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?	processed? archived? Volume-ID	remarks comments	Data Review
106	453		150	29/5/04	OCI	13:29	13:54	MAD	43.23 36.86	cancelled		in POS MREQ but PTR says "cancelled"	
107	454		150	29/5/04	OCI	20:12	20:37	DSS65	304.90 36.90		CD-ROM mailed & arrived Volume_ID: 0058		Volume_Id given
108	455		151	30/5/04	OCI	2:56	3:21	NNO	206.52 37.04	failed	new L1a&b level 1a & 1b & 2(only doppler)	Timestamp of doppler data is from 8:41 to 10:06 for S- and X-Band; no match in time	
109	455/456		151	30/5/04	GRV	6:38	8:11	NNO	global	cancelled		in POS MREQ but PTR says "cancelled"	
109a	456	364	151	30/5/04	OCI	9:43	10:03	DSS65		performed	CD-ROM mailed & arrived Volume_ID: 0059	X-band only; drifting badly (orbit adjustments?)	Volume_Id given
110	457	364	151	30/5/04	OCI	16:23:00 16:30	16:48:00 16:45	DSS65	9.87 37.19	performed	QL RSR Volume_ID: 0060	X-band only; OK	Volume_Id given
111	459/460		152	31/5/04	GRV	09:31:00 09:33:30	10:49:00 10:57:29	NNO	global	failed	new L1a&b level 1a & 1b & 2(only doppler)	TM ON; only NN11 & NN12 data available, Timestamp of NN11 from 7:40 to 10:57 and of NN12 from 8:33 to 10:57, RNG files only until 10:17	no CL-files, S-Band files missing
112	460		152	31/5/04	OCI	12:34	12:59	MAD	75.83 34.44	cancelled		PTR says cancelled	
113	461		152	31/5/04	OCI	19:18	19:43	DSS65	337.52 34.53	?	Volume_ID: 0061	no INFO	Volume_Id given

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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?	processed? archived? Volume-ID	remarks comments	Data Review
114	462/463		153	1/6/04	GRV	5:41	7:14	NNO	global	cancelled		PTR says cancelled	
115	463		153	1/6/04	OCI	08:44:00 08:04:00	09:09:00 09:55:00	NNO	140.82 34.80	performed	new L1a&b level 1a & 1b & 2(only doppler) Volume_ID: 0062	TM ON; only NN11 data available, Timestamp of doppler data from 8:04 to 9:55	Volume_ID given; all files (NN11)
116	464		153	1/6/04	OCI	15:28	15:53	DSS65	42.42 35.03	?		no ops	
117	466		154	2/6/04	OCI	04:56:00 03:58:00	05:21:00 07:07:00	NNO	206.81 31.86	performed	new L1a&b level 1a & 1b & 2(only doppler) Volume_ID: 0063	TM ON; Timestamp of doppler data is from 3:58 to 7:07 for S- and X-Band	Volume_ID given; all files available
118	466/467		154	2/6/04	GRV	8:34	10:08	NNO	global	cancelled		PTR says cancelled	
119	467		154	2/6/04	OCI	11:39	12:04	DSS65	108.50 31.94	cancelled		PTR says cancelled	
120	468		154	2/6/04	OCI	18:23	18:48	DSS65	10.20 32.06	?		no ops	
121	469/470		155	3/6/04	GRV	4:44	6:17	NNO	global	cancelled		PTR says cancelled	

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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?	processed? archived? Volume-ID	remarks comments	Data Review
122	470		155	3/6/04	OCI	07:49:00 07:15:00	08:14:00 08:15:00	NNO	173.51 32.33	performed	new L1a&b level 1a & 1b & 2(only doppler) VOLUME_ID: 0064	TM ON	Volume_ID given; RNG-files for just 15 minutes
123	471		155	3/6/04	OCI	14:33	14:58	DSS65	75.11 32.58	?		no ops	
124	473		156	4/6/04	OCI	04:01:00 03:03:00	04:26:00 04:25:00	NNO	239.47 29.35	performed	new L1a&b level 1a & 1b & 2(only doppler) VOLUME_ID: 0065	TM ON; Timestamp of doppler data is from 3:03 to 4:25 for S- and X-Band, but no NN13 D2 files available	Volume_ID given; no Doppler Calibration
125	475		156	4/6/04	OCI	17:28	17:53	DSS65	42.82 29.69	?		no ops	
126	476/477		157	5/6/04	GRV	3:47	5:21	NNO	global	cancelled		PTR says cancelled	
127	477		157	5/6/04	OCI	06:54:00 06:00:00	07:19:00 07:22:00	NNO	206.17 29.93	performed	new L1a&b level 1a & 1b & 2(only doppler) VOLUME_ID: 0066	TM ON; Timestamp of doppler data is from 6:00 to 7:22 for S- and X-Band, but no D1 files available; Time resolution is 1 sample per second	no D1-files in appropriate time, NN11
128	478		157	5/6/04	OCI	13:38	14:03	DSS65	107.87 30.02	?		no ops	

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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?	processed? archived? Volume-ID	remarks comments	Data Review
129	479		157	5/6/04	OCI	20:21	20:46	GST	09:58 30.13	cancelled		PTR says cancelled	
130	480		158	6/6/04	OCI	3:06	3:31	NNO	272.24 26.52	cancelled		PTR says cancelled	
131	482		158	6/6/04	OCI	16:33	16:58	DSS65	75.55 26.96	?	VOLUME_ID: 0067	X-band only	somebody added comment (see left): X-
132	483		158	6/6/04	OCI	23:16	23:41	DSS14	337.27 27.07	?	VOLUME_ID: 0068	TM ON; X-band only	somebody added comment (see left): X-
end of phase 6													
start of MTP1 part1													
133	484		159	7/6/04	OCI	06:00:00 5:02:58	06:25:00 06:03:12	NNO	238.90 27.35	performed ?	new L1a&b level 1a & 1b & 2(only doppler)	TM ON; only minimal overlap in time; only X-band, Timestamp is from 05:02 to 6:03, sample rate 1/sec, overlapping file is only 1 min long	
134	485		159	7/6/04	OCI	12:45	13:08	DSS65	140.63 27.41	??		no ops	
135	488		160	8/6/04	OCI	08:55:00 07:53:35	09:20:00 08:35:37	NNO	206.64 23.95	performed?	new L1a&b level 1a & 1b & 2(only doppler)	TM ON; Timestamp of doppler data is 7:53 to 8:35 for S- and X-Band, it seems that not all NN13 files are on jupiter, sample rate is 1/sec	

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Mars Express Radio Science Experiment - Science Operations Logbook

136	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?	processed? archived? Volume-ID	remarks comments	Data Review
	489		160	8/6/04	OCI	15:38:00 15:43	16:03:00 16:03	DSS65	108.35 24.07	performed	QL RSR VOLUME_ID: 0069	S- and X-band OK	Volume_Id given
137	491		161	9/6/04	OCI	05:05:00 04:10:34	05:30:00 05:17:52	NNO	271.74 24.41	performed ?	new L1a&b level 1a & 1b & 2(only doppler)	TM ON; Timestamp of doppler data is from 4:10 to 5:25 for S- and X-Band, it seems that not all NN13 files are on jupiter, sample rate 1/sec, big	
138	492		161	9/6/04	OCI	11:48	12:13	DSS65	173.45 24.53	??		X-band only; no ops	
139	495		162	10/6/04	OCI	07:58:00 07:11:58	08:23:00 08:18:25	NNO	238.46 25.25	performed	new L1a&b new L02 VOLUME_ID: 0070	SPICAM coordination, TM ON; server problem, sample rate 1/sec	Volume_ID given; NN11 D2 sample
140	498		163	11/6/04	OCI	04:10:00 03:33:58	04:35:00 04:14:48	NNO	304.54 21.49	performed ?	new L1a&b level 1a & 1b & 2(only doppler)	TM ON; Timestamp of doppler data is from 3:33 to 4:14 for S- and X-Band, sample rate 1/sec	
141	500		163	11/6/04	OCI	17:36:00 17:40	18:01:00 18:00	DSS65	107.94 21.83	performed	QL RSR VOLUME_ID: 0071	TM ON; S- and X-band OK	Volume_Id given
142	502		164	12/6/04	OCI	07:03:00 06:03:25	07:28:00 07:24:01	NNO	271.36 22.17	performed	new L1a&b level 1a & 1b & 2(only doppler) VOLUME_ID: 0072	TM ON; Timestamp of doppler data is from 6:03 to 7:24 for S- and X-Band, sample rate 1/sec	Doppler Volume_ID given; Calibration
143	506		165	13/6/04	OCI	10:05	10:20	DSS65		performed	VOLUME_ID: 0073	X-band sideband only; no S-band signal	Volume_Id given
144	507		165	13/6/04	OCI	16:41:00 16:45	17:06:00 17:10	DSS65	140.82 18.69	performed	QL RSR VOLUME_ID: 0074	TM ON; X-band amplifier oscillatios; occul at 17:00; S-band OK	Volume_Id given

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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?	processed? archived? Volume-ID	remarks comments	Data Review
145	508		165	13/6/04	OCI	23:35	23:50	GST	42.51 18.98	cancelled		TM ON	
146	509		166	14/6/04	OCI	06:08:00 04:35:57	06:33:00 06:28:07	NNO	304.22 19.09	peformed ?	new L1a&b level 1a & 1b & 2(only doppler) VOLUME_ID: 0075	TM ON; sample rate 1/sec	Volume_ID given; no Calibrations files,
147	510		166	14/6/04	OCI	12:52:00 13:00	13:17:00 13:15	DSS65	205.93 19.30	performed	QL RSR VOLUME_ID: 0076	TM ON; S- and X-band OK	Volume_Id given
148	511		166	14/6/04	OCI	19:35	20:00	GST	207.64 19.44	cancelled		TM ON; not in ESOC PTR	
149	513		167	15/6/04	OCI	09:02:00 08:25:23	09:27:00 09:36:09	NNO	271.08 19.78	performed	new L1a&b level 1a & 1b & 2(only doppler) VOLUME_ID: 0077	TM ON, NO S-Band, sample rate 1/sec, NNO couldn't lock IFMS3	Volume_ID given; no Doppler Calibration
150	515		167	15/6/04	OCI	22:28:00 22:38	22:53:00 22:53	DSS15	74.46 20.25	performed	QL RSR VOLUME_ID: 0078	TM ON; S- and X-band OK	Volume_Id given
151	516		168	16/6/04	OCI	05:13:00 04:28:56	05:38:00 04:54:11	NNO	337.14 15.71	failed	new L1a&b level 1a, 1b & 2 (only doppler)	TM ON, Time of files does NOT match operation time, sample rate 1/sec, may be due to U/L loss due to mains power sike	
152	517		168	16/6/04	OCI	11:57	12:22	MAD	238.81 16.05	cancelled		not in ESOC PTR	

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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?	processed? archived? Volume-ID	remarks comments	Data Review
153	518		168	16/6/04	OCI	18:40	19:05	GST	140.57 16.11	cancelled		not in ESOC PTR	
154	519/ 520		169	17/6/04	GRV	5:36	6:23	NNO	global	cancelled		not in ESOC PTR	
155	520		169	17/6/04	OCI	08:07:00 08:06:06	08:32:00 08:28:13	NNO	308.99 16.50	performed	new L1a&b level 1a & 1b & 2(only doppler) VOLUME_ID: 0079	SPICAM coordination, sample rate 1/sec, No appropriate NN11 doppler files found on jupiter	Volume_ID given; no NN11 D1 files, only
156	521		169	17/6/04	OCI	14:50	15:15	MAD	206.71 16.71	cancelled		SPICAM coordination	
157	522		169	17/6/04	OCI	21:33	21:58	GST	107.41 16.87	cancelled		not in ESOC PTR	
158	523		170	18/6/04	OCI	04:17:00 04:18:03	04:42:00 04:40:03	NNO	9.19 16.97	performed	new L1a&b level 1a & 1b, level 2 only Doppler VOLUME_ID: 0080	TM ON , NN11 D1-Files not available, sample rate 1/sec	Volume_ID given, NN11 no D1 files,
159	523/ 524		170	18/6/04	GRV	07:42:00 07:22:03	09:16:00 09:22:02	NNO	global	cancelled	level 1a & 1b	not in PTR	
160	524		170	18/6/04	OCI	11:05	11:25	MAD	270.88 17.22	cancelled		not in ESOC PTR	
161	525		170	18/6/04	OCI	17:43	18:08	DSS63	172.63 17.32	??	VOLUME_ID: 0081	TM ON; X-band only	Volume_Id given due to left comment

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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?	processed? archived? Volume-ID	remarks comments	Data Review
162	526		171	19/6/04	OCI	0:27	0:52	DSS-15	74.28 17.69	??	VOLUME_ID: 0082	TM ON; S- and X-band OK	Volume_Id given due to left comment
163	527		171	19/6/04	OCI	07:12:00 07:07:08	07:37:00 07:36:25	NNO	336.95 12.92	performed	new L1a&b level 1a & 1b, level 2 only Doppler VOLUME_ID: 0083	TM ON , NN11 D1-Files not available, sample rate 1/sec	Volume_ID given; Doppler Calibration
164	527		171	19/6/04	GRV	08:16:00 08:16:10	10:32:00 09:53:24	NNO	global	cancelled	level 1a & 1b	not in ESOC PTR	
165	528		171	19/6/04	OCI	13:55:00 14:00	14:20:00 14:25	DSS65	238.64 13.27	performed	VOLUME_ID: 0084	TM ON; occul at 14:14; S- and X-band OK	Volume_Id given
166	530		172	20/6/04	OCI	03:22:00 03:00:19	03:47:00 03:42:00	NNO	42.12 13.59	failed	new L1a&b level 1a & 1b	TM ON, NN12 & NN13 & AGC are missing, sample rate 1/sec	
167	532		172	20/6/04	OCI	16:48	17:13	GST	205.57 13.92	cancelled		not in ESOC PTR	
168	533		172	20/6/04	OCI	23:32	23:57	GST	107.29 14.09	cancelled		not in ESOC PTR	
169	533/534		173	21/6/04	GRV	03:42:00 03:50:34	04:29:00 04:34:23	NNO	global	performed	new L1a&b new L02_Ver_1.1 Level 2 Range, VOLUME_ID: 0085	TM ON	Volume_Id given

end of MTP1 part 1

start of MPT1 part 2

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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?	processed? archived? Volume-ID	remarks comments	Data Review
170	535		173	21/6/04	GRV	16:46	17:09	DSS-65	global	??		TM ON; d/L disabled before occ; no recording	
171	536		173	21/6/04	GRV	17:09	17:31	DSS-15	global	cancelled		not in ESOC PTR	
172	537		173	21/6/04	GRV	23:52	0:15	DSS15	global	??	VOLUME_ID: 0086	TM ON; TNF collected; ODF pending	Volume_Id given
173	538		174	22/6/04	OCI	09:09:00 09:06:06	09:34:00 09:36:16	NNO	336.02 14.35	failed	new L1a&b level 1a & 1b	TM ON; only NN11 data available, 1 sample/10 sec!!!	
174	539		174	22/6/04	GRV	13:19	13:41	MAD	global			TM ON	
175	539		174	22/6/04	GRV	19:40	20:02	DSS-15	global	??	VOLUME_ID: 0087	TM ON; TNF collected; ODF pending	Volume_Id given
176	540		174	22/6/04	GRV	20:02	20:25	GST	global	cancelled		not in ESOC PTR	

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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?	processed? archived? Volume-ID	remarks comments	Data Review
177	540		175	23/6/04	GRV	2:23	2:45	NNO	global	cancelled	level 1a & 1b	not in ESOC PTR	
178	541		175	23/6/04	OCI	05:19:00 05:15:06	05:44:00 05:46:06	NNO	41.48 13.64	performed !!!	new L1a&b level 1a &1b, level 2 Doppler VOLUME_ID: 0088	TM ON, everything correct!!! Unbelievable	Volume_id given; no RNG-files
179	543		175	23/6/04	GRV	16:12	16:35	MAD	global	cancelled		TM ON	
180	543		175	23/6/04	OCI	18:46:00 18:50:00	19:11:00 19:10:00	DSS-65	205.13 12.94	performed	VOLUME_ID: 0089	TM ON; 19:06:31 occult; S- and X-band OK	Volume_id given
181	543		175	23/6/04	GRV	22:33	22:45	DSS15	global	**??**	VOLUME_ID: 0090	TM ON; TNF collected; ODF pending	Volume_id given
182	544		175	23/6/04	GRV	22:55	23:18	GST	global	cancelled		not in ESOC PTR	
183	544		176	24/6/04	GRV	5:16	5:39	NNO	global	cancelled		TM ON - no files on DDS Server available; cancelled by POS	
184	545		176	24/6/04	OCI	08:13:00 08:10:03	08:38:00 08:42:24	NNO	8.82 12.18	performed	new L1a&b level 1a &1b, level 2 Doppler VOLUME_ID: 0091	TM ON	Volume_id given; no RNG-files

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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?	processed? archived? Volume-ID	remarks comments	Data Review
185	546	389	176	24/6/04	OCI	14:57:00 15:00:00	15:22:00 15:25:00	DSS-65	270.61 11.93	performed	VOLUME_ID: 0092	TM ON; occult 15:16:51; S- and X-band OK	Volume_ID given
186	548		177	25/6/04	OCI	04:24:00 04:19:58	04:49:00 04:49:58	NNO	74.23 11.38	failed	new L1a&b processed to level 1a,1b,Doppler2	TM ON; sample rate 1/10 sec!!	failed (because of sample rate)
187	549		177	25/6/04	GRV	8:32	8:54	NNO	global	cancelled		not in ESOC PTR	
188	549		177	25/6/04	GRV	14:53	15:15	DSS63	global	cancelled		TM ON; no uplink	
189	550		177	25/6/04	GRV	15:15	15:38	DSS63	global	cancelled		TM ON; no uplink	
190	550	390	177	25/6/04	OCI	17:51:00 17:55	18:16:00 18:15	DSS15	237.87 10.75	performed	Volume_ID: 0093	TM ON; occul. 18:10:51; S- and X-band OK	Volume_ID given
191	550		177	25/6/04	GRV	21:36	21:59	MAD	global	cancelled		not in ESOC PTR	
192	552		178	26/6/04	OCI	07:12:00 07:15:55	07:42:00 07:54:55	NNO	41.29 11.53	failed	new L1a&b level 1a & 1b & 2(only doppler)	TM ON; SPICAM coordination, wrong sample rate: 1 sample/10 seconds	

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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?	processed? archived? Volume-ID	remarks comments	Data Review
193	553		178	26/6/04	OCI	14:01	14:26	DSS65	303.12 11.12	failed		TM ON; script failed (weekend); no data recorded	
194	554		178	26/6/04	OCI	20:44	21:09	DSS15	204.95 10.78	failed		TM ON; script failed (weekend); no data recorded	
195	558		179	27/6/04	OCI	23:38	0:03	DSS14	172.31 9.24	failed		TM ON; script failed (weekend); no data recorded	
196	559		180	28/6/04	OCI	06:22:00 06:17:08	06:28:00 06:49:16	NNO	74.08 9.11	performed	new L1a&b level 1a, 1b, Level 2: only doppler Volume_ID: 0094	TM ON; samplerate ok (10 per sec); one NN11 D2-file missing	Volume_ID given;
197	560	393	180	28/6/04	OCI	13:05:00 13:10:00	13:30:00 13:30:00	DSS-65	335.94 8.66	performed	Volume_ID: 0095	TM ON; occult 13:25:32; S- and X-band OK	Volume_ID given
198	563		181	29/6/04	OCI	09:15:00 09:12:15	09:40:00 09:40:20	NNO	41.17 9.21	performed	new L1a&b level 1a & 1b & 2(only doppler) Volume_ID: 0096	TM ON	Volume_ID given; all files available
199	564	394	181	29/6/04	OCI	15:59:00 16:04:00	16:24:00 16:24:00	DSS65	303.00 8.78	performed	Volume_ID: 0097	TM ON; occult 16:19:21, S- and X-band OK	Volume_ID given
200	566		182	30/6/04	OCI	05:26:00 05:22:00	05:51:00 05:53:00	NNO	106.66 8.07	performed	new L1a&b level 1a, 1b; Volume_ID: 0098	TM ON; SPICAM coordination, No appropriate meteo file on DDS available to process doppler data to level 2	Volume_ID given;

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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?	processed? archived? Volume-ID	remarks comments	Data Review
201	568		182	30/6/04	OCI	18:53:00 18:58:00	19:18:00 19:18:00	DSS15	270.35 7.28	performed	nwe L1a&b level 1a, 1b; Volume_ID: 0099	TM ON; occult 19:13:11, S- and X-band OK	Volume_ID given
202	570		183	1/7/04	OCI	08:20:00 08:13:50	08:45:00 08:50:56	NNO	74.00 6.61	performed	new L1a&b level 1a & 1b & 2; Volume_ID: 0100	TM ON SPICAM coordination, Samplerate OK; No NN11 doppler data available	Volume_ID given;
203	571		183	1/7/04	GRV	12:25	12:47	MAD	global			TM ON	
204	571		183	1/7/04	GRV	18:45	19:08	DSS-65	global	??	Volume_ID: 0101	TM ON; TNF collected; ODF pending	Volume_ID given
205	572		183	1/7/04	GRV	19:08	19:30	GST	global	cancelled		TM ON	
206	572		184	2/7/04	GRV	1:48	1:51	NNO	global	not performed		TM ON	
207	573		184	2/7/04	OCI	4:30	3:55	NNO	139.26 7.02	cancelled		TM ON; no uplink	
208	574		184	2/7/04	GRV	8:35	8:57	NNO	global			TM ON	

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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?	processed? archived? Volume-ID	remarks comments	Data Review
209	574		184	2/7/04	GRV	14:55	15:18	DSS-65	global	?	Volume_ID: 0102	TM ON; TNF collected; ODF pending	Volume_ID given
210	575		184	2/7/04	GRV	15:18	15:40	MAD	global	cancelled		not in ESOC PTR	
211	575/576		184	2/7/04	GRV	21:39	22:24	DSS-65	global	cancelled		TM ON	
212	576		185	3/7/04	OCI	0:41	1:06	DSS-15	204.80 5.77			TM ON; no data were recorded	
213	576/577		185	3/7/04	GRV	04:22:00 03:56:07	05:07:00 05:10:15	NNO	global	failed	new L1a&b level 1a & 1b & 2(only doppler)	TM ON; only NN11 Doppler, RNG-files only available from 4:38-5:10	failed (no NN13-files available)
214	577		185	3/7/04	GRV	11:05	11:28	MAD	global	cancelled		TM ON	
215	578	398	185	3/7/04	OCI	14:08:00 14:10:00	14:33:00 15:35:00	DSS-65	8.51 4.88	performed	Volume_ID: 0103	TM ON; occult 14:27:39, S- and X-Band OK.	Volume_ID given

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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?	processed? archived? Volume-ID	remarks comments	Data Review
216	581		186	4/7/04	GRV	7:38	8:00	NNO	global	cancelled		TM ON	
217	581		186	4/7/04	GRV	13:59	14:44	DSS-65	global	??	Volume_ID: 0104	TM ON; TNF collected; ODF pending	Volume_ID given
218	582		186	4/7/04	GRV	14:21	14:44	DSS-65	global	??	Volume_ID: 00105	TM ON; TNF collected; ODF pending	Volume_ID given
219	582		186	4/7/04	GRV	20:42	21:04	DSS-65	global	cancelled		TM ON	
end of MTP 1 part 2													
MTP 2 start													
220	586		187	5/7/04	OCI	19:55	20:20	DSS65	302.96 03.29	failed		TM ON; no recording attempted because occ after end of track	
221	593	402	189	7/7/04	OCI	18:59:00 19:07:00	19:24:00 19:22:00	DSS65	335.61 2.03	performed	Volume_ID: 00106	TM ON	Volume_ID given

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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?	processed? archived? Volume-ID	remarks comments	Data Review
222	596	403	190	8/7/04	OCI	15:09	15:34	DSS65	40.91 2.44	failed		TM ON; script failed; no recording	
223	600	404	191	9/7/04	OCI	18:03:00 18:08:00	18:28:00 18:28:00	DSS65	8.34 0.44	performed	Volume_ID: 00107	TM ON; occult 18:23:26	Volume_ID given
224	602		192	10/7/04	OCI	07:30:00 07:25:06	07:55:00 08:00:02	NNO	171.77 1.30	performed	new L1a&b level 1a & 1b; only D2 processed to L2 (doppler)	TM ON;NN13 D1 missing,AGC NN13 missing;only D2 processed to L2	Volume_ID given; all files available
225	603	405	192	10/7/04	OCI	14:13:00 14:10:00	14:38:00 14:40:00	DSS65	73.57 1.08	performed	Volume_ID: 0109	TM ON; occult 14:33:42	Volume_ID given
226	605		193	11/7/04	OCI	03:40:00 03:35:02	04:05:00 04:05:57	NNO	237.27 0.17	performed	new L1a&b level 1a & 1b, level 2 only Doppler; Volume_ID: 0110	TM ON, only NN11	Volume_ID given; all files available
227	607	406	193	11/7/04	OCI	17:07:00 17:05:00	17:32:00 17:35:00	DSS-65	42.04 -1.05	failed		TM ON; occult 17:27:22; no data in the RSR data; reason unknown	
228	610	407	194	12/7/04	OCI	13:17	13:42	DSS-65	106.30 -0.60	not performed		TM ON; not recorded, lack of personnel	
229	618	409	196	14/7/04	OCI	19:05:00 19:13:00	19:30:00 19:30:00	DSS-15	40.94 -2.96	performed	Volume_ID: 0111	TM ON; occult 19:25:05; only X-Band	Volume_ID given

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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?	processed? archived? Volume-ID	remarks comments	Data Review
230	620		197	15/7/04	OCI	08:31:00 08:32:49	08:56:00 09:05:22	NNO	204.39 -2.17	performed	new L1a&b level 1a & 1b & 2(only doppler) Volume_ID: 0112	TM ON; no NN13-files available. Only_NN11,D1:One data file missing.Only_NN12,D1:AGC-file missing and one data file	Volume_ID given; only NN11 and NN12;
231	621	410	197	15/7/04	OCI	15:15:00 15:20:00	15:40:00 15:38:36	DSS-65	106.21 -2.55	performed	Volume_ID: 0113	TM ON; occult 15:35:25	Volume_ID given
232	625	411	198	16/7/04	OCI	18:08:00 18:14:00	18:33:00 18:34:00	DSS-65	73.39 -2.72	performed	Volume_ID: 0114	TM ON; occult 18:29:06; 0.5dB dropouts every 2 minutes; cause unknown	Volume_ID given
233	628	412	199	17/7/04	OCI	14:19:00 14:24:00	14:44:00 14:44:00	DSS-63	139.00 -4.50	performed		TM ON; occult 14:39:09; no signal in the RSR data; reason unknown	
234	632	413	200	18/7/04	OCI	17:13:00 17:17:00	17:38:00 17:37:00	DSS-65	106.18 -4.18	performed	Volume_ID: 0115	TM ON; occult 17:32:25; 0.5 dB dropouts every 5 min, cause unknown	Volume_ID given
235	639	415	202	20/7/04	OCI	16:17:00 16:21:00	16:42:00 16:41:00	DSS-63	138.99 -6.96	performed	QL RSR Volume_ID: 0116	TM ON; occult 16:36:45	Volume_ID given
236	646	417	204	22/7/04	OCI	15:20:00 15:25:00	15:45:00 15:45:00	DSS-65	171.58 -7.36	performed	QL RSR Volume_ID:0117	TM ON	Volume_ID given
237	653	419	206	24/7/04	OCI	14:24:00 14:29:00	14:49:00 14:49:00	DSS-65	204.15 -7.73	performed	Volume_ID: 0118	TM ON; occult 14:44:07	Volume_ID given

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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?	processed? archived? Volume-ID	remarks comments	Data Review
238	654	419	206	24/7/04	OCI	21:07:00 21:12:00	21:32:00 21:32:00	DSS-15	205.97 -8.14	performed	Volume_ID: 0119	TM ON; occult 21:27:35	Volume_ID given
239	657	420	207	25/7/04	OCI	17:18:00 17:22:00	17:43:00 17:42:00	DSS-15	171.62 -10.30	performed	Volume_ID: 0120	TM ON; occult 17:37:43	Volume_ID given
240	660	421	208	26/7/04	OCI	13:28:00 13:33:00	13:53:00 13:53:00	DSS-65	236.91 -9.82	performed	Volume_ID: 0121	TM ON; occult 13:47:54	Volume_ID given
241	667	423	210	28/7/04	OCI	12:31:00 12:36:00	12:56:00 12:56:00	DSS-65	269.51 -10.39	performed	Volume_ID: 0122	TM ON; occult 12:51:39	Volume_ID given
242	671	424	211	29/7/04	OCI	15:25:00 15:30:00	15:50:00 15:50:00	DSS-65	236.71 -10.88	performed	Volume_ID: 0123	TM ON; occult 15:45:05	Volume_ID given
243	674	425	212	30/7/04	OCI	11:35:00 11:40:00	12:00:00 12:00:00	DSS-65	302.36 -13.36	performed	Volume_ID: 0124	TM ON; occult 11:55:19	Volume_ID given
244	679	426	213	31/7/04	OCI	21:12:00 21:17:00	21:37:00 21:37:00	DSS-15	171.21 -12.45	performed	Volume_ID: 0125	TM ON; occult 21:32:14	Volume_ID given
245	684		215	2/8/04	OCI	06:49:00 06:45:15	07:14:00 07:16:00	NNO	40.30 -13.81	performed	new L1a&b level 1a & 1b; Volume_ID: 0126	TM ON, NN13 D1 files are missing, NN11 and NN12 D1 files have incorrect sample rate of 1/sec. But NN11 and NN12 D2 files otherwise have correct	Volume_ID given;
end of MTP 2													
start of MTP 3													

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Mars Express Radio Science Experiment - Science Operations Logbook

246	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?	processed? archived? Volume-ID	remarks comments	Data Review
247	685/686		215	2/8/04	GRV	17:01	17:46	DSS-65	global	??	Volume_ID: 0127	TM ON; TNF collected; ODF pending	Volume_ID given
248	686		215	2/8/04	OCI	20:16	20:41	GST	204.04 -15.46	cancelled		TM ON	
249	687/688		216	3/8/04	GRV	06:28:23 06:25:14	07:13:22 07:22:35	NNO	global	failed	new L1a&b L1a & b Volume_ID: 0128	TM ON; NN13 files are missing,no lock up at IFMS3 (answer Michel Denis 16.08.2004)	Volume_ID given
250	689	429	216	3/8/04	OCI	16:26:23 16:31:00	16:51:23 16:51:00	DSS-65	269.32 -14.96	performed	Volume_ID: 0129	TM ON; occult 16:46:10	Volume_ID given
251	690		216	3/8/04	OCI	23:09	23:34	GST	171.21 -15.92	cancelled		TM ON	
252	690/691		217	4/8/04	GRV	02:38:15 02:43:24	03:23:15 03:28:13	NNO	global	performed	new L1a&b new L02_Ver_1.1 Range Level 2, Volume_ID: 0130	TM ON, no RCL files available	Volume_ID given; NN13 D2 sample
253	692		217	4/8/04	OCI	12:36	13:01	MAD	334.67 -14.97	cancelled		TM ON	
254	694		218	5/8/04	OCI	02:03:24 02:02:00	02:28:24 02:52:00	NNO	138.36 -16.38	performed	new L1a&b level 1a,1b; L2 (only doppler) Volume_ID: 0131	TM ON; NN11 only D1 files	Volume_ID given; no CL-files; D2 sample

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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?	processed? archived? Volume-ID	remarks comments	Data Review
255	696	431	218	5/8/04	OCI	15:29:55 15:34:00	15:54:55 15:55:00	DSS-65	301.90 -15.86	performed	Volume_ID: 0132	TM ON; occult 15:49:48	Volume_ID given
256	698		219	6/8/04	OCI	4:56	5:21	NNO	105.58 -17.22	cancelled		TM ON	
257	699		219	6/8/04	OCI	11:39	12:04	MAD	7.27 -15.81	cancelled		TM ON	
258	700	432	219	6/8/04	OCI	18:23:26 18:27:00	18:48:26 18:47:00	DSS-15	206.09 -16.37	performed	Volume_ID: 0133	TM ON; occult 18:43:26	Volume_ID given
259	701/702		220	7/8/04	GRV	04:34:22 04:30:00	05:13:04 05:15:00	NNO	global	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0134	TM ON, D2 files are missing	Volume_ID given; all files available
260	703		220	7/8/04	OCI	14:37	14:58	MAD	334.47 -16.60	cancelled		TM ON	
261	705		221	8/8/04	OCI	04:00:28 03:55:05	04:25:28 04:28:01	NNO	138.16 -18.20	performed	new L1a&b processed to L1a, L1b; L2 (omly doppler);	TM ON, D2 files are missing	Volume_ID given
262	707	434	221	8/8/04	OCI	17:26:58 17:31:00	17:51:58 17:52:00	DSS-65	301.72 -17.86	performed	Volume_ID: 0136	TM ON; occult 17:46:47	Volume_ID given
263	709		222	9/8/04	OCI	06:53:59 06:51:00	07:18:59 07:22:00	NNO	105.40 -19.40	performed	new L1a&b new L02 Volume_ID: 0137	TM ON, D2 files are missing	Volume_ID given; no CL-files available

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264	711	435	222	9/8/04	OCI	20:20:29 20:25:00	20:45:29 20:45:00	DSS-15	268.93 -18.69	performed	Volume_ID: 0138	TM ON; occult 20:40:14	Volume_ID given
265	712/713		223	10/8/04	GRV	06:30:18 06:25:03	07:15:18 07:19:37	NNO	global	failed	new L1a&b processed to L1a,1b	TM ON; NN13 missing, BUT NN12 is S-band!!!(but only 1h before NN11 measurement, not simultanously)	failed
266	714		223	10/8/04	OCI	16:30	16:55	GST	334.32 -19.17	cancelled		TM ON	
267	715/716		224	11/8/04	GRV	02:40:06 02:36:17	03:25:06 03:28:40	NNO	global	performed	new L1a&b new L02_Ver_1.1 L2:Range, Volume_ID: 0139	TM ON	Volume_ID given; no CL-files available
268	717		224	11/8/04	OCI	12:40	13:05	MAD	39.74 -19.78	cancelled		TM ON	
269	718		224	11/8/04	OCI	19:33	19:49	GST	301.56 -20.75	cancelled		TM ON	
270	721	438	225	12/8/04	OCI	15:34:01 15:38:00	15:59:01 15:58:00	DSS-65	6.95 -21.16	performed	Volume_ID: 0140	TM ON; occult 15:53:32	Volume_ID given
271	723/724		226	13/8/04	GRV	08:26:03 08:26:01	09:04:30 09:06:02	NNO	global	performed	new L1a&b new L02_Ver_1.1 L2:Range, Volume_ID: 0141	TM ON	Volume_ID given; no CL-files available

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Mars Express Radio Science Experiment - Science Operations Logbook

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272	725		226	13/8/04	OCI	18:27	18:52	GST	334.12 -22.60	cancelled		TM ON	
273	727		227	14/8/04	OCI	07:54:03 07:50:28	08:19:03 08:22:13	NNO	137.67 -22.17	performed	new L1a&b processed to L1a,1b, 2 (only doppler)	TM ON, everything ok.	Volume_ID given; no CL-files available
274	728	440	227	14/8/04	OCI	14:37:03 14:41:00	15:02:03 15:02:00	DSS-65	39.46 -21.08	performed	Volume_ID: 0143	TM ON, occult 14:57:01	Volume_ID given
275	730		228	15/8/04	OCI	4:04	4:29	NNO	203.10 -23.33	cancelled		TM ON	
276	730/731		228	15/8/04	GRV	07:28:42 07:26:00	08:06:06 08:09:00	NNO	global	performed	new L1a&b new L02_ver_1.1 L2:Range, Volume_ID: 0145	TM ON, everthing ok.	Volume_ID given; all files available
277	732/733		228	15/8/04	GRV	20:55	21:40	DSS-15	global	??	Volume_ID: 0146	TM ON; TNF collected; ODF pending	Volume_ID given
278	735/736		229	16/8/04	SCO	16:39	17:43	MAD	9.86 9.77 deg	cancelled		TM ON	
279	738/739		230	17/8/04	SCO	11:58	14:58	DSS-63	9.59 9.59 deg	??		no ops	
280	742/743	444	231	18/8/04	SCO	14:51:35 14:15:00	17:49:00 17:45:00	DSS-63	9.23 9.23 deg	performed	CD-ROM mailed & arrived Volume_ID: 0147	TM ON	Volume_ID given

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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?	processed? archived? Volume-ID	remarks comments	Data Review
281	744/745		232	19/8/04	SCO	4:05	7:04	NNO	9.05 8.06 deg	cancelled		TM ON	
282	746		232	19/8/04	OCI	15:36	16:00	DSS-63	203.10 -23.33	??		no ops	
283	749		233	20/8/04	OCI	11:46	12:10	DSS-63	203.10 -23.33	??		no ops	
284	749/750		233	20/8/04	SCO	13:20	16:20	MAD	8.60 8.60 deg	cancelled		TM ON	
285	752/753	447	234	21/8/04	SCO	11:34:59 11:00:00	13:58:57 13:59:00	DSS-63	8.24 8.24 deg	performed	CD-ROM mailed & arrived Volume_ID: 0148	TM ON	Volume_ID given
286	758/759		236	23/8/04	SCO	2:22	5:22	NNO	7.78 7.78 deg	cancelled		TM ON	
287	759/760		236	23/8/04	SCO	10:44	13:43	MAD	7.61 7.61 deg	cancelled		TM ON	
288	762/763		237	24/8/04	SCO	6:22	8:45	NNO	7.43 7.34 deg	failed		TM ON; no S-band downlink	
289	767/768	451	238	25/8/04	SCO	13:00	18:20:00	DSS-63	6.98 6.89 deg	failed		TM ON, no S-band down	

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?	processed? archived? Volume-ID	remarks comments	Data Review
290	770/771		239	26/8/04	SCO	11:59	14:59	MAD	6.62 6.62 deg	cancelled		TM ON	
291	774/775	453	240	27/8/04	SCO	12:28	18:12	DSS-63	6.34 6.34 deg	failed		TM ON, no S-band down	
292	777/778	454	241	28/8/04	SCO	15:21	18:15	DSS-63	5.99 5.99 deg	performed	Volume_ID: 0149	TM ON, S-band LCP data appear to be the same as the RCP data	Volume_ID given
293	781/782	455	242	29/8/04	SCO	13:58:00 14:00:00	17:56:00 17:55:00	DSS-63	5.72 5.63 deg	performed	Volume_ID: 0150	TM ON, S- X-band down; X-band LCP, 2-way (X-band uplink); X-band LCP was not recorded because of a conflict with MGS (there are only 4 RSRs available	Volume_ID given
294		456	243	30/8/04	SCO	14:25:00 14:25:00	18:10:00 18:10:00	DSS-63		performed	Volume_ID: 0151	TM ON,X-band uplink; these recordings were done "in the blind" using scripts, due to RSR client7server problems	Volume_ID given
end of MTP 3													

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

start of MTP 4

	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?	processed? archived? Volume-ID	remarks comments	Data Review
295		458	245	1/9/04	SCO	14:05:01 14:05:01	17:44:59 17:44:59	DSS-63		performed	Volume_ID: 0152	TM ON; X-band uplink	Volume_ID given
296	799/800	459	247	3/9/04	SCO	13:24	17:09	MAD	4.10 4.10 deg	cancelled		TM ON	
297		460	247	3/9/04	SCO	14:05:00 14:05:00	18:00:00 18:00:00	DSS-63		performed	Volume_ID: 0153	TM ON; X-band uplink	Volume_ID given
298		461	248	4/9/04	SCO	14:00:00 14:00:00	17:55:00 17:55:00	DSS-63		performed	Volume_ID: 0154	TM ON; X-band uplink; LCP X-Band not recorded, no RSR available	Volume_ID given
299		462	249	5/9/04	SCO	14:00:00 14:00:00	17:55:00 17:55:00	DSS-63		performed	Volume_ID: 0155	TM ON; X-band uplink; LCP X-Band not recorded, no RSR available	Volume_ID given
300		463	250	6/9/04	SCO	15:26:00 15:30:50	17:50:00 17:40:00	DSS-63		performed	Volume_ID: 0156	TM ON	Volume_ID given
301		463	250	6/9/04	SCO	20:00	21:52	DSS-15		???	Volume_ID: 0157	TM ON	Volume_ID given
302	814		251	7/9/04	SCO	14:36	17:05	CAN	2.92 deg	cancelled		TM ON	

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?	processed? archived? Volume-ID	remarks comments	Data Review
303		464	251	7/9/04	SCO	13:58	17:40	DSS-63		???	Volume_ID: 0158	TM ON	Volume_ID given
304		465	252	8/9/04	SCO	13:45:00 14:00:00	17:45:00 17:45:00	DSS-63		performed	Volume_ID: 0159	TM ON; X-band uplink	Volume_ID given
305		467	254	10/9/04	SCO	13:28:00 13:30:01	17:40:00 17:40:00	DSS-63		performed	Volume_ID: 0160	TM ON; X-band uplink	Volume_ID given
306	824/825		254	10/9/04	SCO	14:47	16:55	MAD	2.02 2.02 deg	cancelled		TM ON	
307	827/828		255	11/9/04	SCO	10:59	13:59	MAD	1.73 1.73 deg	cancelled		TM ON	
308		468	255	11/9/04	SCO	14:28:00 14:30:00	17:40:00 17:40:00	DSS-63			Volume_ID: 0161	TM ON; X-Band uplink	Volume_ID given
309		469	256	12/9/04	SCO	15:25:00 15:25:00	17:35:00 17:35:00	DSS-63			Volume_ID: 0162	TM ON; X-Band uplink	Volume_ID given
310	832/833		256	12/9/04	SCO	18:54	21:45	GST	1.39 1.39 deg	cancelled		TM ON	
311		470	257	13/9/04	SCO	13:28:00 13:35:00	17:35:00 17:35:00	DSS-63			Volume_ID: 0163	TM ON; X-Band uplink	Volume_ID given

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?	processed? archived? Volume-ID	remarks comments	Data Review
312	842/843		259	15/9/04	SCO	14:39	16:27	MAD	0.96 0.96 deg	cancelled		TM ON	
313		472	260	16/9/04	SCO	14:15	17:25	DSS-63	???		Volume_ID: 0165	TM ON	Volume_ID given
314		474	261	17/9/04	SCO	13:28:00 13:25:01	17:25:00 17:25:00	DSS-63		performed	Volume_ID: 0166	TM ON; X-Band uplink	Volume_ID given
315		475	262	18/9/04	SCO	14:40:00 14:40:01	17:20:00 17:20:00	DSS-63		performed	Volume_ID: 0167	TM ON; X-Band uplink	Volume_ID given
316		475	262	18/9/04	SCO	18:04	21:22	DSS-15			Volume_ID: 0168	TM ON	Volume_ID given
317		476	263	19/9/04	SCO	13:28:00 13:28:00	17:20:00 17:20:00	DSS-63		performed	Volume_ID: 0169	TM ON; X-Band uplink	Volume_ID given
318		477	264	20/9/04	SCO	13:28:00 13:35:01	17:15:00 17:15:00	DSS-63		performed	Volume_ID: 0170	TM ON; X-Band uplink	Volume_ID given
319		478	265	21/9/04	SCO	14:44:00 15:00:01	17:15:00 17:15:00	DSS-63		performed	Volume_ID: 0171	TM ON; X-Band uplink	Volume_ID given

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?	processed? archived? Volume-ID	remarks comments	Data Review
320	867		266	22/9/04	GRV	10:59	13:23	MAD		??	Volume_ID: 0172	TM ON	Volume_ID given
321		480	267	23/9/04	SCO	13:58:00 14:00:00	17:10:00 17:10:00	DSS-63		performed	Volume_ID: 0173	TM ON	Volume_ID given
322		481	268	24/9/04	SCO	14:10:00 14:20:00	17:10:00 17:10:00	DSS-63		performed	Volume_ID: 0174	TM ON	Volume_ID given
323		482	269	25/9/04	SCO	12:58:00 13:00:00	17:05:00 17:05:00	DSS-63		performed	Volume_ID: 0175	TM ON, X-band uplink; these recordings were done "in the blind" using scripts	Volume_ID given
324		483	270	26/9/04	SCO	12:58	17:05	DSS-63		??	Volume_ID: 0176	TM ON	Volume_ID given
end of MTP 4													

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

start of MTP 5

	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?	processed? archived? Volume-ID	remarks comments	Data Review
325	884		271	27/9/04	SCO	10:37	12:42	MAD	3.95 deg	cancelled		TM ON	
326	888	485	272	28/9/04	SCO	12:45:57 12:15:46	15:46:00 15:46:00	DSS-63	4.27 deg	performed	Volume_ID: 0177	TM ON, X-band uplink; these recordings were done "in the blind" using scripts; this pass was not designated for SCO but for a gravity experiment	Volume_ID given
327	893		273	29/9/04	SCO	18:05	19:45	???		??		TM ON	
328	896		274	30/9/04	SCO	18:23	21:24	GST	5.02 deg	??		TM ON	
329	899	488	275	1/10/04	SCO	14:15:19 13:45:01	16:12:24 16:12:00	DSS-63	5.24 deg	performed	Volume_ID: 0178	TM ON; X-band uplink	Volume_ID given
330	903	489	276	2/10/04	SCO	13:37	16:07	DSS-63	5.57 deg	??	Volume_ID: 0179	TM ON; X-band uplink	Volume_ID given
331	906		277	3/10/04	SCO	10:41	13:12	MAD		cancelled by DSN		TM ON; power problems for S-band	
332	913	492	279	5/10/04	SCO	12:55	16:01	DSS-63	6.56 deg	performed	Volume_ID: 0180	TM ON; X-band uplink	Volume_ID given

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?	processed? archived? Volume-ID	remarks comments	Data Review
333	919		281	7/10/04	GRV	4:42	7:16	NNO (CAN)		cancelled		TM ON; power problems for S-band	
334	924		282	8/10/04	GRV	13:35	15:57	MAD (GST)		cancelled		TM ON; power problems for S-band	
335	927		283	9/10/04	GRV	10:38	13:02	MAD		cancelled		TM ON; power problems for S-band	
336	931	497	284	10/10/04	SCO	12:32:00 12:33:00	15:47:06 15:47:00	DSS-63	8.21 deg	performed	Volume_ID: 0181	TM ON; X-Band uplink	Volume_ID given
337	936		285	11/10/04	SCO	17:45	20:39	GST	8.65 deg	cancelled		TM ON	
338	938/939	499	286	12/10/04	SCO	13:25:43 13:15:01	15:26:45 15:26:45	DSS-63		performed	Volume_ID: 0182	TM ON; X-Band uplink	Volume_ID given
339	943	500	287	13/10/04	SCO	17:57:18 17:10:00	20:57:18 20:57:00	DSS-15	9.21 deg	performed	Volume_ID: 0183	TM ON; X-Band uplink	Volume_ID given
340	946		288	14/10/04	GRV	18:19	20:43	GST	9.65 deg	cancelled		TM ON	
341	950	502	289	15/10/04	SCO	17:35:57 17:20:00	20:35:57 20:36:00	DSS-15	9.98 deg	performed	Volume_ID: 0184	TM ON; X-band uplink; DSS-15 cannot support simultaneous RCP and LCP, so only RCP data could be recorded	Volume_ID given

white: planned task
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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?	processed? archived? Volume-ID	remarks comments	Data Review
342	951/952		290	16/10/04	GRV	04:46:08 04:40:34	06:49:14 06:50:11	NNO	global	performed	new L1a&b failed	TM ON; NN13 missing, S-Band files were recorded on IFMS2 instead due to failure of IFMS3	failed because no NN13-files available
343	953	503	290	16/10/04	GRV	14:32:26 13:35:00	15:12:26 15:12:00	DSS-63	Valles Marineris	performed	Volume_ID: 0185	TM ON; X-band uplink; these recordings were done "in the blind" using scripts; X-band LCP data were not recorded because of a conflict with	Volume_ID given
344	956	504	291	17/10/04	GRV	10:51:38 10:04:01	13:51:38 13:51:00	DSS-63	global	performed	Volume_ID: 0186	TM ON; X-band uplink; X-band LCP data were not recorded because of a conflict with MGS (there are only 4 RSRs available at Madrid)	Volume_ID given
345	960	505	292	18/10/04	GRV	13:14:00 13:18:00	14:14:07 14:14:00	DSS-63	Valles Marineris	performed	Volume_ID: 0187	TM ON; X-band uplink; X-band LCP data were not recorded because of a conflict with MGS (there are only 4 RSRs available at Madrid)	Volume_ID given
346	963		293	19/10/04	GRV	11:54	14:54	MAD	global	cancelled		TM ON; power problems for S-band	
347	969		294	20/10/04	GRV	23:05:04 22:58:35	01:02:04 01:04:46	NNO	global	performed	new L1a&b new L02_Ver_1.1 L2:Range, Volume_ID: 0188	TM ON; NN13 RNG-files just match in time from 23:00:15 till 01:03:27 (D1 and D2)	Volume_ID given; all files available
348	974	509	296	22/10/04	SCO	09:54:00 09:55:01	11:47:35 11:47:00	DSS-63	global	performed	Volume_ID: 0189	TM ON; X-Band uplink	Volume_ID given

white: planned task
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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?	processed? archived? Volume-ID	remarks comments	Data Review
349	978		297	23/10/04	GRV	17:21	19:41	GST	global	cancelled		TM ON; power problems for S-band	
350	981		298	24/10/04	GRV	13:15	15:12	MAD (GST)	global	cancelled		TM ON; power problems for S-band	
351	983		299	25/10/04	GRV	02:29:28 02:23:30	04:32:38 04:33:35	NNO	global	performed	new L1a&b new L02_Ver_1.1 L2:Range, Volume_ID: 0190	TM ON	Volume_ID given; no CL-files available
end of MTP 5													

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

start of MTP 6

	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?	processed? archived? Volume-ID	remarks comments	Data Review
352	987/988		300	26/10/04	GRV	5:38	7:51	NNO	global	cancelled		cancelled by POS	
353	990		300	26/10/04	GRV	23:07:11 23:05:27	23:47:11 23:49:36	NNO	ArsiaMons	performed	new L1a&b new L02, L2:Range, Volume_ID: 0191	TM ON	Volume_ID given; all files available
354	990/991		301	27/10/04	GRV	1:37	4:40	NNO	global	cancelled		cancelled by POS	
355	992		301	27/10/04	BSR	13:46	14:46	MAD	SyriaSinaiSolis	cancelled		cancelled by POS	
356	993		301	27/10/04	GRV	19:16	19:56	DSS-15	VallesMarineris	??	Volume_ID: 0192	TM ON	Volume_ID given
357	994/995		302	28/10/04	GRV	04:29:37 04:53:05	07:22:47 07:25:24	NNO	global	performed	new L1a&b new L02_Ver_1.1 L2:Range Volume_ID: 0193	TM ON; no AGC2 files	Volume_ID given; no CL-files and AGC2-

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?	processed? archived? Volume-ID	remarks comments	Data Review
358	999		303	29/10/04	GRV	12:45	14:55	MAD (GST)	global	cancelled		TM ON; cancelled by POS	
359	1002 / 1003		304	30/10/04	GRV	10:24	12:47	MAD	global	cancelled		TM ON; cancelled by POS	
360	1004 / 1005		304	30/10/04	GRV	23:51:31 23:45:32	01:54:21 01:57:15	NNO	global	performed	new L1a&b new L02_Ver_1.1 L2:Range, Volume_ID: 0194	TM ON;	Volume_ID given; all files available
361	1006 / 1007		305	31/10/04	GRV	11:46	14:50	MAD (GST)	global	cancelled		TM ON; cancelled by POS	
362	1008 / 1009		306	01/11/04	GRV	02:43:13 02:37:18	05:36:17 05:37:13	NNO	global	performed	new L1a&b new L02_Ver_1.1 L2:Range Volume_ID: 0195	TM ON;	Volume_ID given; all files available
363	1012		307	02/11/04	GRV	2:55	3:35	NNO	global	cancelled		TM ON; cancelled by POS	
364	1012 / 1013		307	02/11/04	GRV	05:35:27 05:28:59	07:48:38 08:00:19	NNO	global	performed	new L1a & 1b, new L02_Ver_1.1 L2:Range Volume_ID: 0196	TM ON; NN11-files only till 06:30; NN13 till 07:30	Volume_ID given; all files available
365	1013		307	02/11/04	GRV	9:58	10:38	DSS-63	none	performed	Volume_ID 0197	TM ON	Volume_ID given
366	1019 / 1020		309	04/11/04	GRV	04:38:23 04:31:33	07:51:13 07:51:36	NNO	global	peformed	new L1a&b new L02_Ver_1.1 L2:Range Volume_ID: 0198	TM ON	Volume_ID given; no CL-files

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?	processed? archived? Volume-ID	remarks comments	Data Review
367	1021 / 1022		309	04/11/04	GRV	16:33	19:36	GST	global	cancelled		TM ON; cancelled by POS	
368	1024		310	05/11/04	GRV	11:32	14:42	DSS-63	global	??	Volume_ID 0199	TM ON	Volume_ID given
369	1027 / 1028		311	06/11/04	GRV	10:52	13:55	DSS-63	global	??	Volume_ID 0200	TM ON	Volume_ID given
370	1030 / 1031		312	07/11/04	GRV	06:31:30 06:25:25	07:44:34 07:45:29	NNO	global	performed	new L1a&b new L02_Ver_1.1 L2:Range Volume_ID: 0201	TM ON	Volume_ID given; all files available
371	1035		313	08/11/04	GRV	13:27	14:07	DSS65	none	??	Volume_ID 0202	TM ON	Volume_ID given
372	1038 / 1039		314	09/11/04	GRV	11:16	14:19	DSS-63	global	??	Volume_ID 0203	TM ON	Volume_ID given
373	1040 / 1041		315	10/11/04	GRV	1:42	3:25	NNO	global	cancelled		TM ON; cancelled by POS	

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?	processed? archived? Volume-ID	remarks comments	Data Review
374	1043 / 1044		315 / 316	10/11/04	GRV	22:11:45 22:05:51	01:14:48 01:15:53	NNO	global	performed	new 1a & 1b new L02_Ver_1.1 L2:Range Volume_ID:204	TM ON	Volume_ID given; all files available
375	1045 / 1046		316	11/11/04	GRV	11:17	13:11	DSS54	global	??	Volume_ID 0204	TM ON	Volume_ID given
376	1052 / 1053		318	13/11/04	GRV	10:19	13:22	DSS-63	global	??	Volume_ID 0205	TM ON	Volume_ID given
377	1060 / 1061		320	15/11/04	GRV	16:54	19:27	DSS-15	global	??	Volume_ID 0206	TM ON	Volume_ID given
378	1061 / 1062		320 / 321	15/11/04	GRV	22:07	0:40	NNO	global	cancelled		TM ON; cancelled by POS	
379	1065 / 1066		322	17/11/04	GRV	1:50	3:13	NNO	global	cancelled		TM ON; cancelled by POS	
380	1067		322	17/11/04	GRV	12:26	13:06	DSS-65	OlympusMons	??	Volume_ID 0207	TM ON	Volume_ID given

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?	processed? archived? Volume-ID	remarks comments	Data Review
381	1069 / 1070		323	18/11/04	GRV	4:42	6:25	NNO	global	cancelled		TM ON; cancelled by POS	
382	1071 / 1072		323	18/11/04	GRV	16:28	19:31	GST	global	cancelled		TM ON; cancelled by POS	
383	1074		324	19/11/04	GRV	11:28	12:08	DSS-63	AscraeusMons	??	Volume_ID 0208	TM ON	Volume_ID given
384	1078		325	20/11/04	GRV	11:40	14:00	DSS-63	global	cancelled		TM ON; cancelled by POS	
385	1079 / 1080		325 / 326	20/11/04	GRV	23:23:35 23:37:44	01:56:41 01:47:49	NNO	global	performed	new 1a & 1b new L02_Ver_1.1 L2:Range Volume_ID: 0209	TM ON	Volume_ID given; all files available
386	1083 / 1084		327	22/11/04	GRV	2:46	4:19	NNO	global	cancelled		TM ON; cancelled by POS	
end of MTP6													

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 7

	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?	processed? archived? Volume-ID	remarks comments	Data Review
387	1086 / 1087		327	22/11/04	GRV	22:50:34 22:44:51	00:47:34 01:31:17	NNO	global	performed	new Level 1a & 1b new L02 Volume_ID: 0210	TM ON, only NN12/13-files; AGC and ME; NN12 and 13 one D1-file missing (request failed); no CL- and RNG-files	Volume_ID given; files missing (see left)
388	1090 / 1091		329	24/11/04	GRV	01:43:31 01:35:53	04:21:30 04:22:38	NNO	global	failed	new Level 1a & 1b	TM ON, no NN13 files,	
389	1094 / 1095		330	25/11/04	GRV	04:02:28 03:57:00	07:02:28 07:03:00	NNO	global	performed	new Level 1a & 1b new L02_Ver_1.1 Volume_ID: 0211	TM ON, Ranging Data missing; no CL-files	Volume_ID given; files missing (see left);
390	1101 / 1102		332	27/11/04	GRV	03:04:24 02:58:23	06:04:23 06:05:30	NNO	global	performed	new Level 1a & 1b new L02_Ver_1.1 L2:Range Volume_ID: 0212	TM ON, no RCL files available, one NN1- D1-file missing	Volume_ID given
391	1104 / 1105		332	27/11/04	GRV	23:52	2:55	NNO	global	failed		TM ON, no NN12 and NN13 files	
392	1108 / 1109		334	29/11/04	GRV	01:54:19 01:48:16	04:57:18 05:00:03	NNO	global	performed	new Level 1a & 1b new L02_Ver_1.1 L2:Range Volume_ID: 0213	TM ON, NN13 D1 files are missing	Volume_ID given
393	1112 / 1113		335	30/11/04	GRV	04:27:16 04:20:18	07:30:15 07:31:32	NNO	global	performed	new Level 1a & 1b new L02_Ver_1.1 L2:Range Volume_ID: 0214	TM ON; RNG-files taken from DOY 334; no CL-files	Volume_ID given; files missing (see left)
394	1118 / 1119		336	1/12/04	GRV	21:57:11 21:18:00	00:59:11 04:33:00	NNO	global	failed	new Level 1a & 1b	TM ON; No NN12 and NN13 at all; no AGC-files for NN11	
395	1120 / 1121		337	2/12/04	GRV	11:12	13:35	MAD	global	??	Volume_ID: 0215	TM ON	Volume_ID given

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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?	processed? archived? Volume-ID	remarks comments	Data Review
396	1125 / 1126		338	3/12/04	GRV	21:27	0:01	NNO	global	failed		TM ON; Only NN11 D1, D2; MET & RNG files there; due to ssmm problem	
397	1136 / 1137		341	6/12/04	GRV	22:13	1:13	NNO	global	failed		TM ON; Only NN11 D1, D2; MET & RNG files there; due to ssmm problem	
398	1140		342	7/12/04	GRV	22:53	23:33	NNO	AscraeusMons	failed	the available data processed to Level 1a+1b	TM ON; only NN11, NN12 D1, D2, MET available, waiting on answer from ESOC	
399	1142 / 1143		343	8/12/04	OCI	15:44	16:09	GST	274.33 -18 59	cancelled		TM ON, cancelled by POS	
400	1143 / 1144		343	8/12/04	OCI	22:26:49 22:22:52	22:49:49 22:50:52	NNO	177.87 -22.20	performed	new L02_Ver_1.1 Volume_ID: 0216	TM ON; sample rate 10 per sec	Volume_ID given
401	1144		344	9/12/04	GRV	01:46:17 01:40:24	02:26:17 02:27:23	NNO	OlympusMons	performed	new L1a&b new L02 Volume_ID: 0217	TM ON, no RNG files	Volume_ID given
402	1150 / 1151		345	10/12/04	OCI	21:23:21 21:19:17	21:48:21 21:49:31	NNO	216.34 -34.93	performed	new L1a&b new L02_Ver_1.1 Level 1a & 1b Volume_ID: 0218	TM ON; SPICAM; sample rate 10 per sec	Volume_ID given
403	1151		346	11/12/04	GRV	00:48:29 00:42:43	01:28:29 01:30:37	NNO	AscraeusMons	performed	new L1a&b new L02 Level 1a & 1b Volume_ID: 0219	TM ON	Volume_ID given
404	1152 / 1153		346	11/12/04	OCI	10:49	11:14	DSS-55	21.17 -37.54	performed	Volume_ID: 0220	TM ON; SPICAM; X-band only	Volume_ID given

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Mars Express Radio Science Experiment - Science Operations Logbook

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405	1154 / 1155		347	12/12/04	OCI	00:15:30 00:11:34	00:40:30 00:41:35	NNO	186.12 -40.19	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0221	TM ON; SPICAM; sample rate 10 per sec	Volume_ID given
406	1155 / 1156		347	12/12/04	OCI	06:58:34 06:54:46	07:23:34 07:15:35	NNO	87.84 -40.58	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0222	TM ON; SPICAM; sample rate 10 per sec	Volume_ID given
407	1156 / 1157		347	12/12/04	OCI	13:42	14:07	DSS-65	350.29 -41.95			TM ON; cannot be supported by DSN due to a oversubscription of equipment at Madrid; SPICAM	
408	1158 / 1159		348	13/12/04	OCI	03:08:35 03:04:48	03:33:28 03:34:11	NNO	155.49 -44.64	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0223	TM ON; SPICAM; sample rate 10 per sec	Volume_ID given
409	1162		349	14/12/04	GRV	02:43:37 02:34:54	03:23:37 03:25:01	NNO	AscraeusMons	performed	new L1a&b new L02 Volume_ID: 0224	TM ON; sample rate 1 per sec	Volume_ID given
410	1162 / 1163		349	14/12/04	OCI	06:02:22 06:03:42	06:27:11 06:27:43	NNO	124.25 -48.28	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0225	TM ON; SPICAM; sample rate 10 per sec	Volume_ID given
411	1163		349	14/12/04	GRV	9:46	10:06	DSS-54	ElysiumMons			TM ON; DSS-54 cannot support X&S-band downlink at the moment due to sub-reflector	
412	1166		350	15/12/04	GRV	05:35:43 05:29:12	06:15:34 06:15:12	NNO	OlympusMons	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0226	TM ON; no NN11 G1 & G2 files there; wrong sample rate of 10 per sec for IFMS3 => for each channel 7 files, NN11 & NN12 files o.k. ; the only	CR: OK, LC Volume_ID given
413	1168 / 1169		350	15/12/04	GRV	21:22:32 21:15:56	22:48:06 22:47:56	NNO	global	performed	new Level 1a & 1b Volume_ID: 0227	TM ON; Doppler data has wrong sample rate of 10 per sec => for each channel 15 files !!!	CR: OK, LC Volume_ID given

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Mars Express Radio Science Experiment - Science Operations Logbook

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414	1170 / 1171		351	16/12/04	GRV	11:23	12:15	DSS65	global	??	Volume_ID: 0228	TM ON	Volume_ID given
415	1171		351	16/12/04	OCI	18:33	18:52	GST	324.70 -56.00			TM ON, cancelled by POS	
416	1173		352	17/12/04	GRV	04:38:28 04:31:40	05:18:28 05:18:35	NNO	AscraeusMons	performed	new L1a&b new L02 Volume_ID: 0229	TM ON; sample rate 1 per sec	CR: OK, LC Volume_ID given
417	1174		352	17/12/04	GRV	11:21	12:01	DSS65	ElysiumMons	??	Volume_ID: 0230	TM ON	Volume_ID given
418	1174 / 1175		352	17/12/04	OCI	14:41	15:06	NNO	294.58 -59.73			TM ON, cancelled by POS	
419	1175 / 1176		352	17/12/04	OCI	21:24:07 21:19:38	21:49:00 21:48:38	NNO	294.58 -59.73	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0231	TM ON; problem to rertieve MET data due to DSS problems (too many concurrent request) Problem solved, see sheet Problems	CR: OK, LC Volume_ID given
420	1176 / 1177		353	18/12/04	OCI	04:11:16 04:06:52	04:36:09 04:37:53	NNO	196.61 -60.38	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0232	TM ON; NN11 CL files from DOY 352	CR: OK, LC Volume_ID given
421	1178 / 1179	566	353	18/12/04	OCI	17:38:51 17:48:00	18:04:40 18:04:00	DSS-15	99.83 -61.48	performed	new L1a&b Volume_ID: 0233	TM ON	Volume_ID given
422	1179		353	18/12/04	GRV	23:08	0:23	NNO	global			TM ON, cancelled by POS	

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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?	processed? archived? Volume-ID	remarks comments	Data Review
423	1179 / 1180	567	354	19/12/04	OCI	0:23	0:48	DSS-43	263.96 -62.78			TM ON; data on DOY 354 were lost	
424	1183 / 1184		355	20/12/04	OCI	03:19:00 03:20:48	03:42:32 03:41:50	NNO	234.03 -62.78	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0234	TM ON, sample rate o.k, CL-files from DOY 354; 18:56	CR: OK, LC Volume_ID given
425	1184 / 1185	568	355	20/12/04	OCI	10:01:46 10:05:01	10:26:56 10:26:00	DSS-63	136.00 -66.35	performed	new L1a&b Volume_ID: 0235	TM ON; Weak transient surface echoes are visible in the quick-look power spectra from day 355 at both S- and X-band.	Volume_ID given
end of MTP7													
MTP8													
426	1186 / 1187		355	20/12/04	OCI	23:30:17 23:25:24	23:51:17 23:51:33	NNO	302.01 -67.95	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0236	TM ON, **ATTENTION:** from now on IFMS 1 D1 is configured with a sample rate of 1/sec and IFMS 1 D2 with a sample rate of 1/ 10 sec. But sample	CR: OK, LC Volume_ID given
427	1187 / 1188		356	21/12/04	OCI	06:14:16 06:10:35	06:35:16 06:34:45	NNO	204.44 -68.59	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0237	TM ON, CL-files from DOY 355, 18:21; sample rate for IFMS 2&3 o.k.	CR: OK, LC Volume_ID given
428	1190 / 1191		357	22/12/04	OCI	02:24:13 02:20:06	02:46:14 02:46:19	NNO	273.60 -70.77	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0238	TM ON, CL-files from DOY 356, 17:36; sample rate for IFMS 2&3 o.k.	CR: OK, LC Volume_ID given
429	1192 / 1193		357	22/12/04	OCI	15:53	16:14	GST	79.14 -72.04	cancelled		TM ON; cancelled by POS	
430	1194 / 1195		358	23/12/04	OCI	05:21:10 05:22:00	05:42:10 05:42:00	NNO	244.77 -73.27	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0239	TM ON, no NN13 D1 files available. CL-files from DOY 357, 19:00. sample rate for NN12 & NN13 ok	CR: OK, LC Volume_ID given

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431	1195 / 1196	571	358	23/12/04	OCI	12:04:09 12:12:01	12:26:09 12:27:00	DSS-65	147.40 -73.85	performed	new L1a&b Volume_ID: 0240	TM ON; Both S-band and X-band samples are about 10 dB too low in the data collected on day 358. FGAIN could	Volume_ID given
432	1199		359	24/12/04	GRV	11:20	12:00	MAD	OlympusMons	?	Volume_ID: 0241	TM ON	Volume_ID given
433	1199 / 1200		359	24/12/04	OCI	15:00	15:21	GST	122.51 -76.26	cancelled		TM ON; cancelled by POS	
434	1200 / 1201		359	24/12/04	OCI	21:43	22:05	NNO	26.14 -76.80			TM ON; no uplink	
435	1202 / 1203	573	360	25/12/04	OCI	11:11:03 11:20:01	11:33:03 11:35:00	DSS-65	194.03 -77.83	performed	new L1a&b Volume_ID: 0241	TM ON	Volume_ID given
436	1205		361	26/12/04	OCI	00:39:02 00:35:00	01:01:02 01:00:00	NNO	2.80 -78.80	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 042	TM ON, CL files from DOY 360 19:21, NN11 D2 files missing	CR: OK, LC Volume_ID given
437	1207		361	26/12/04	OCI	14:07	14:29	GST	172.37 -79.68	cancelled		TM ON; cancelled by POS	
438	1208		361	26/12/04	OCI	20:50:59 20:46:00	21:12:59 21:12:00	NNO	77.75 -80.05	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0243	TM ON	CR: OK, LC Volume_ID given
439	1208 / 1209		362	27/12/04	GRV	1:59	3:33	NNO	global	cancelled		TM ON; canceled by ESOC	

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Mars Express Radio Science Experiment - Science Operations Logbook

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440	1209		362	27/12/04	OCI	03:33:58 03:29:16	03:55:58 03:56:47	NNO	344.69 -80.15	performed	new L1a&b new L02 Volume_ID: 0244	TM ON; SPICAM, NN13 D2 files are missing, could not retrieve other D2 data on first attempt, CL files only available from DOY 361 18:43	CR: OK, LC Volume_ID given
441	1212		362	27/12/04	OCI	23:45:55 023:41:43	00:07:55 00:08:35	NNO	62.15 -80.81	performed	new L1a&b new L02 Volume_ID: 0245	TM ON, NN13 D2 files are missing	CR: OK, LC Volume_ID given
442	1213		363	28/12/04	OCI	06:29:55 06:25:09	06:51:55 06:51:59	NNO	328.47 -80.91	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0246	TM ON; SPICAM, CL files only available from DOY 362 19:14	CR: OK, LC Volume_ID given
443	1216		364	29/12/04	OCI	02:41:52 02:37:25	03:04:52 03:04:21	NNO	46.86 -80.93	performed	new L1a&b new L02_Ver_1.1 Volume_ID: 0247	TM ON, CL files from DOY 363 19:05	CR: OK, LC Volume_ID given
444	1217	577	364	29/12/04	OCI	09:26:51 09:30:00	09:48:51 09:51:00	DSS-65	313.33 -81.12	performed	new L1a&b Volume_ID: 0248	TM ON; SPICAM	Volume_ID given
445	1219		364	29/12/04	OCI	22:53:49 22:48:01	23:15:49 23:15:56	NNO	124.96 -80.47	performed	new L1a&b new L02 Volume_ID: 0249	TM ON; SPICAM, retrieval of IFMS 1 AGC2 file and IFMS 3 Meteo file failed	CR: OK, LC Volume_ID given
446	1220		365	30/12/04	OCI	05:37:48 05:33:10	05:59:48 06:00:07	NNO	30.69 -80.25	performed	new L1a&b new L02 Volume_ID: 0250	TM ON, CL files from DOY 364 19:14;one NN13-D1-file is missing	CR: OK, LC Volume_ID given
447	1221	578	365	30/12/04	OCI	12:21:47 12:26:00	12:43:47 12:47:00	DSS-65	295.89 -79.96	performed	new L1a&b Volume_ID: 0251	TM ON	Volume_ID given
448	1224		366	31/12/04	OCI	8:34	8:56	MAD	12.18 -78.98		Volume_ID: 0252	TM ON	Volume_ID given

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Mars Express Radio Science Experiment - Science Operations Logbook

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449	1225		366	31/12/04	OCI	15:18	15:40	GST	276.55 -78.57	cancelled		TM ON; SPICAM	
to be continued in MaRS_ops_logbook 05_I1_R0													

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