

Mars Express Radio Science Experiment - Science Operations Logbook

start of MTP 8 (sequel to Mars_ops_logbook 04)

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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
1	1228	580	001	1/1/05	OCI	11:30:41 11:34:00	11:52:41 11:56:00	DSS-63	348.68 -77.07	performed	0253	TM ON; SPICAM; no S-band file
2	1228		001	1/1/05	GRV	14:21:26	15:01:26	GST	Alba Patera	performed	0254	TM ON
3	1229	580	001	1/1/05	OCI	18:14:40 18:18:00	18:36:40 18:39:00	DSS-15	252.64 -76.56	performed	0255	TM ON; SPICAM
4	1230		002	2/1/05	GRV	05:49:38 05:42:06	07:03:39 07:05:00	NNO	global	performed	0256	TM ON; no calibration files
5	1232		002	2/1/05	OCI	14:26:37	14:48:37	GST	322.83 -74.92	cancelled by MPS		TM ON; SPICAM
6	1233		002	2/1/05	OCI	21:10:37 21:06:27	21:32:37 21:33:19	NNO	225.98 -74.33	performed	0257	TM ON; NN11 D2 file missing (sample rate NN11 D1 is 1/s; all others 10 per sec)
7	1235	582	003	3/1/05	OCI	10:38:35 10:43:00	11:00:35 11:04:00	DSS-65	31.90 -73.16	performed	0258	TM ON
8	1237		004	4/1/05	OCI	00:07:33 00:03:11	00:29:33 00:30:11	NNO	198.54 -71.89	performed	0259	TM ON
9	1239		004	4/1/05	GRV	16:22:41	17:02:41	GST	Alba Patera	cancelled by MPS		TM ON

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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
10	1240		004	4/1/05	OCI	20:19:30 20:14:51	20:41:30 20:41:51	NNO	266.56 -70.05	performed	0260	TM ON; no calibration files; the data show a large drift and noise and are obviously non-coherent
11	1255		009	9/1/05	GRV	05:50:15 05:44:00	07:03:16 07:04:23	NNO	global	performed	0261	TM ON; Calibration files (Doppler and Ranging from DOY 008 18:49)
12	1259/ 1260		010	10/1/05	GRV	09:21:12	11:02:10	MAD	global	performed	0262	TM ON
13	1261/ 1262		010	10/1/05	GRV	22:09:09 22:02:52	23:56:09 23:56:04	NNO	global	performed	0263	TM ON
14	1263		011	11/1/05	GRV	11:35:07	12:29:08	MAD	global	partially performed	0264	TM ON
15	1265/ 1266		012	12/1/05	GRV	01:40:06 01:34:22	03:21:05 03:10:39	NNO	global	performed	0265	TM ON
16	1267/ 1268		012	12/1/05	GRV	15:07:04	16:48:33	GST	global	cancelled by MPS		TM ON; no uplink
17	1268/ 1269		012	12/1/05	GRV	21:12:03 21:05:47	23:31:50 23:19:47	NNO	global	performed	0266	TM ON
18	1269/ 1270		013	13/1/05	GRV	04:33:02 04:42:58	06:15:01 06:03:57	NNO	global	performed	0267	TM ON, only 5 minutes ranging 5:59-6:04; NN13 S-Band files start (4:43:00) 16 Minutes after start of NN11 & NN12 files
	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

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19	1272/ 1273		014	14/1/05	GRV	00:54:59	02:25:46	NNO/ DSS-43	global	failed	0268	TM ON, in MREQ scheduled as NNO pass, obviously DSS-43 pass (information from ESOC); No DSN-data
20	1273		014	14/1/05	GRV	04:57:35	05:03:51 05:44:30	NNO	Elysium Mons	performed	0269	TM ON, the first two AGC files on NN13 contained only a few seconds of data. Third file is ok!
21	1276/ 1277		015	15/1/05	GRV	03:29:35	03:35:55 05:19:55	NNO	global	performed	0270	TM ON
22	1277/ 1278		015	15/1/05	GRV	09:40:54	12:03:18	MAD	global	performed	0271	TM ON
23	1278/ 1279		015	15/1/05	GRV	17:11:54	18:47:35	GST	global	partially performed	0272	TM ON; RMP-file doesnt cover measurement time
24	1282/ 1283		016	16/1/05	GRV	20:28:20	20:34:50 21:28:45	NNO	global	performed	0273	TM ON
25	1284/ 1285		017	17/1/05	GRV	09:31:48	11:08:35	MAD	global	performed	0274	TM ON
end of MTP 8												
start of MTP 9												
	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
26	1286/ 1287		017	17/1/05	GRV	22:09:45	00:35:45	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
27	1287/ 1288		018	18/1/05	GRV	06:00:45	07:14:44	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem

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28	1290		018	18/1/05	GRV	22:50:42 22:44:39	23:30:42 23:40:52	NNO	Tempe Fossae	performed	0275	
29	1290/ 1291		019	19/1/05	GRV	01:02:41	03:29:41	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
30	1292/ 1293		019	19/1/05	GRV	14:28:39	16:58:39	GST	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
31	1294		020	20/1/05	GRV	01:43:38 01:38:03	02:23:38 02:24:03	NNO	Alba Patera	performed	0276	TM ON
32	1294		020	20/1/05	GRV	03:55:37	05:25:38	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
33	1295/ 1296		020	20/1/05	GRV	11:17:37	12:20:36	MAD	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
34	1299/ 1300		021	21/1/05	GRV	14:10:33	16:03:32	GST	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
	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
35	1300/ 1301		021	21/1/05	GRV	20:15:32	22:46:31	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
36	1302/ 1303		022	22/1/05	GRV	09:41:30	12:13:29	MAD	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
37	1304/ 1305		022	22/1/05	GRV	23:08:28	01:40:27	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem

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38	1306/ 1307		023	23/1/05	GRV	14:02:26	15:07:25	GST	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
39	1307/ 1308		023	23/1/05	GRV	20:16:25	21:51:24	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
40	1308/ 1309		024	24/1/05	GRV	02:01:24	04:33:23	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
41	1310/ 1311		024	24/1/05	GRV	16:26:22	17:29:21	GST	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
42	1311/ 1312		024	24/1/05	GRV	22:11:21	00:47:20	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
43	1315/ 1316		026	26/1/05	GRV	01:04:17	03:42:16	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
	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
44	1316/ 1317		026	26/1/05	GRV	09:05:16	10:26:15	MAD	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
45	1318/ 1319		026	26/1/05	GRV	21:13:14	23:54:13	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
46	1319/ 1320		027	27/1/05	GRV	04:45:13	06:37:12	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
47	1320/ 1321		027	27/1/05	GRV	10:40:12	12:12:11	MAD	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem

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48	1324/ 1325		028	28/1/05	GRV	14:12:08	16:16:07	GST	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
49	1326/ 1327		029	29/1/05	GRV	04:08:06	05:43:05	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
50	1327/ 1328		029	29/1/05	GRV	09:43:05	12:05:04	MAD	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
51	1330		030	30/1/05	GRV	05:53:02	06:51:02	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
52	1332/ 1333		030	30/1/05	GRV	20:08:00	22:05:59	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
	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
53	1334/ 1335		031	31/1/05	GRV	09:34:58	11:35:57	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
54	1338		032	1/2/05	GRV	09:43:03	10:22:54	MAD	Alba Patera	performed	0277	TM ON
55	1343/ 1344		033	2/2/05	GRV	21:43:49	00:07:48	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
56	1344/ 1345		034	3/2/05	GRV	05:29:48	06:51:47	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
57	1347/ 1348		035	4/2/05	GRV	00:57:45	03:04:44	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem

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58	1350/ 1351		035	4/2/05	GRV	20:18:41	23:16:41	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
59	1351/ 1352		036	5/2/05	GRV	03:40:41	06:00:40	NNO	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
60	1353/ 1354		036	5/2/05	GRV	16:29:38	18:20:38	GST	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
61	1355		037	6/2/05	GRV	05:55:36	06:43:37	MAD	global	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
	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
62	1356/ 1357		037	6/2/05	GRV	13:57:36	15:10:35	GST	global	partially performed	0278	TM ON
63	1357/ 1358		037	6/2/05	GRV	20:00:35 19:54:07	21:54:34 21:59:48	NNO	global	failed		TM ON; NNT3: all D1, most D2, some G1 and G2 files missing (only last 30 min available) Loss of remote control
64	1359/ 1360		038	7/2/05	GRV	08:49:32	11:20:32	MAD	global	failed	0279	TM ON; No files available
65	1361/ 1362		038	7/2/05	GRV	22:54:31 22:49:12	00:47:30 00:49:31	NNO	global	performed	0280	TM ON; volume_ID added - all files available, but Ranging is only a few minutes; only valid for internal archive because: Data
66	1365/ 1366		040	9/2/05	GRV	01:09:26 01:02:55	03:40:26 03:41:16	NNO	global	performed	0281	TM ON
67	1368/ 1369		040	9/2/05	GRV	22:17:24 22:11:00	23:50:22 23:51:20	NNO	global	performed	0282	TM ON; Volume_ID added problems with Ranging reported

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68	1369/ 1370		041	10/2/05	GRV	04:02:22 03:56:21	06:34:21 06:34:40	NNO	global	performed	0283	TM ON
69	1372/ 1373		042	11/2/05	GRV	00:57:19	03:00:18	NNO	global	cancelled by MPS		TM ON; cancelled by ESOC; no station available
70	1373/ 1374		042	11/2/05	GRV	08:14:18	09:37:17	MAD	global	failed	0284	TM ON; No files available
	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
71	1374/ 1375		042	11/2/05	GRV	13:57:17	16:21:16	GST	global	failed	0285	TM ON; No files available
72	1376/ 1377		043	12/2/05	GRV	03:06:15	06:06:15	NNO	global	cancelled by MPS		TM ON; cancelled by ESOC; no station available
73	1377/ 1378		043	12/2/05	GRV	10:07:14	12:01:13	MAD	global	failed	0286	TM ON; No files with sample rate 1 per sec
74	1378/ 1379		043	12/2/05	GRV	17:11:13	18:24:12	GST	global	failed	0287	TM ON; No files with sample rate 1 per sec
75	1382/ 1383		044	13/2/05	GRV	19:54:09	22:07:08	NNO	global	failed		TM ON, measurement failed due to system crash on NNO, only NN11 Doppler, Ranging & Meteo files are available, NN11 D1 & D2
end of MTP 9												
start of MTP 10												
	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

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76	1385/ 1386		045	14/2/05	GRV	16:32:18	18:10:05	GST	global	failed	0288	TM ON; No files with sample rate 1 per sec
77	1392/ 1393		047	16/2/05	GRV	15:37:59	17:26:58	GST	global	failed	0289	TM ON; No files with sample rate 1 per sec
78	1393/ 1394		047	16/2/05	GRV	21:22:57 21:15:00	23:54:57 23:53:00	NNO	global	performed	0290	TM ON
79	1394/ 1395		048	17/2/05	GRV	04:44:57 04:39:04	06:36:56 05:39:03	NNO	global	performed	0291	TM ON; no NN13-D2 files
80	1397/ 1398		049	18/2/05	GRV	00:23:54 00:17:55	02:52:52 02:53:17	NNO	global	performed	0292	TM ON, 25 NN12 files because of reduced sample number for each file from 3600 to 360, NN13 files with sample rate of
81	1400/ 1401		049	18/2/05	GRV	20:25:50 20:19:00	23:17:49 23:18:00	NNO	global	performed	0293	TM ON
82	1401/ 1402		050	19/2/05	GRV	04:04:49 03:58:00	05:45:48 5:46:00	NNO	global	performed	0294	TM ON; NN13-D1 files missing, sample rate of x- and s-band not equal!
83	1402/ 1403		050	19/2/05	GRV	10:07:48	11:48:47	MAD	global	failed	0295	TM ON; No files with sample rate 1 per sec
84	1406/ 1407		051	20/2/05	GRV	13:32:44	15:40:43	GST	global	failed	0296	TM ON; No files with sample rate 1 per sec
	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
85	1407		051	20/2/05	GRV	17:26:05	17:57:43	MAD	North Polar Cap	partially performed	0297	TM ON; No files with sample rate 1 per sec

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86	1409		052	21/2/05	GRV	06:52:30	07:04:41	NNO	North Polar Cap	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem
87	1409/ 1410		052	21/2/05	GRV	09:46:41 09:34:34	11:49:40 12:19:59	DSS-63	global	performed	0298	TM ON
88	1410/ 1411		052	21/2/05	GRV	16:34:40 15:42:23	18:03:39 18:35:15	DSS-15	global	performed	0299	TM ON
89	1411/ 1412		052	21/2/05	GRV	22:22:38 22:15:00	01:05:38 01:05:00	NNO	global	performed	0300	TM ON
90	1414/ 1415		053	22/2/05	GRV	19:41:36 19:34:00	21:30:35 21:31:00	NNO	global	performed	0301	TM ON
91	1415/ 1416		054	23/2/05	GRV	01:15:34 01:09:00	03:58:34 03:58:00	NNO	global	performed	0302	TM ON
92	1418		054	23/2/05	GRV	19:30:02	19:54:32	MAD	North Polar Cap	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem; No files with sample rate 1 per sec
93	1418/ 1419		054	23/2/05	GRV	21:25:31 21:18:00	00:25:31 00:24:00	NNO	global	performed	0303	TM ON
	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
94	1419/ 1420		055	24/2/05	GRV	04:09:30 04:02:52	06:29:30 06:25:52	NNO	global	performed	0304	TM ON
95	1422/ 1423		056	25/2/05	GRV	01:04:28 00:57:53	03:19:27 03:20:57	NNO	global	performed	0305	TM ON

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96	1423/ 1424		056	25/2/05	GRV	08:16:27 08:04:51	10:02:26 10:35:46	DSS-63	global	performed	0306	TM ON
97	1424/ 1425		056	25/2/05	GRV	13:45:25 13:14:11	16:45:25 17:09:17	DSS-14	global	performed	0307	TM ON
98	1426/ 1427		057	26/2/05	GRV	03:12:23 03:06:05	06:12:23 06:13:50	NNO	global	performed	0308	TM ON
99	1427		057	26/2/05	GRV	07:55:49 07:51:39	08:23:22 12:12:29	DSS-63	North Polar Cap	performed	0309	X-Band: 5057057B.ODF S-Band: 5057057C.ODF TM ON
100	1427/ 1428		057	26/2/05	GRV	09:55:22 07:51:39	11:44:21 12:12:29	DSS-63	global	performed	0310	X-Band: 5057057B.ODF S-Band: 5057057C.ODF TM ON
101		644	057	26/2/05	BSR	21:45:00 21:45:00	05:45:00 05:45:00	DSS-43	Bistatic Radar	performed	0311	TM OFF; callibration : (0:50-1:20) and (2:38-2:59)
102	1431/ 1432		058	27/2/05	GRV	13:22:18 13:08:30	15:48:18 15:47:53	DSS-14	global	performed	0312	Only S-Band: 5058058A.ODF TM ON; no X-band file with sample rate 1 per sec
	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
103	1434/ 1435		059	28/2/05	GRV	08:58:14	11:44:14	DSS-63	global	failed	0313	TM ON; No files with sample rate 1 per sec
104	1436/ 1437		059	28/2/05	GRV	23:28:13	01:19:12	NNO	global	failed		TM ON; Antenna Servo Failure at end of ROSETTA pass. Because of this MEX track started late with carrier up at 00:09z. Most of data
105	1438		060	1/3/05	GRV	09:54:13	10:20:11	MAD	North Polar Cap	cancelled by MPS		TM ON; cancelled by POS; eclipse power problem

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106	1438/ 1439		060	1/3/05	GRV	13:20:35	14:52:10	DSS-25	global	failed	0314	TM ON; No files with sample rate 1 per sec
107	1442/ 1443		061	2/3/05	GRV	14:45:06	17:42:06	DSS-14	global	failed	0315	TM ON; No files with sample rate 1 per sec
108	1444/ 1445		062	3/3/05	GRV	04:12:04 04:05:00	06:23:04 06:24:50	NNO	global	performed	0316	TM ON; NN13_NN11 D2 data are not valid data
109	1456		065	6/3/05	GRV	10:56:45	11:19:52	DSS-63	North Polar Cap	partially performed	0317	TM ON; No files with sample rate 1 per sec
110	1459/ 1460		066	7/3/05	GRV	09:00:48 07:23:20	11:44:48 12:14:59	DSS-63	global	performed	0318	X-Band: 5066066B.ODF S-Band: 5066066D.ODF TM ON
111	1460/ 1461		066	7/3/05	GRV	16:37:48 15:47:40	18:04:47 18:34:59	DSS-15	global	performed	0319	X-Band: 5066066A.ODF S-Band: 5066066C.ODF TM ON
	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
112	1463/ 1464		067	8/3/05	GRV	13:10:45 12:56:59	14:54:44 15:29:29	DSS-15	global	performed	0320	X-Band: 5067067C.ODF S-Band: 5067067D.ODF TM ON; cycle slips in S- & X-band files
113	1467/ 1468		068	9/3/05	GRV	14:47:40 12:58:19	17:47:40 18:25:41	DSS-14	global	performed	0321	X-Band: 5068068B.ODF S-Band: 5068068C.ODF TM ON; cycle slips in X- & S-band files
114	1473/ 1474		070	11/3/05	GRV	07:35:34 07:21:50	10:07:34 11:00:54	DSS-63	global	performed	0322	X-Band: 5070070B.ODF S-Band: 5070070C.ODF TM ON; cycle slips in S- & X-band file
115	1476/ 1477		071	12/3/05	GRV	03:50:31 03:44:27	06:17:31 06:18:22	NNO	global	performed	0323	TM ON; NN13_NN11 D2 data are not valid data

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116	1477/ 1478		071	12/3/05	GRV	10:00:30	11:40:29	DSS-63	global	failed	0324	TM ON; No files with sample rate 1 per sec
117	1479/ 1480		072	13/3/05	GRV	00:19:28 00:13:16	02:27:28 02:28:16	NNO	global	performed	0325	TM ON; NN13_NN11 D2 data are not valid data
118	1480/ 1481		072	13/3/05	GRV	07:29:27 07:16:33	09:10:27 10:06:23	DSS-63	global	performed	0326	X-Band: 5072072B.ODF S-Band: 5072072E.ODF TM ON
119	1481/ 1482		072	13/3/05	GRV	13:32:26 12:51:54	15:53:26 16:36:41	DSS-14	global	performed	0327	X-Band: 5072072C.ODF S-Band: 5072072D.ODF TM ON
end of MTP 10												
start of MTP 11												
	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
120	1483/ 1484		073	14/3/05	GRV	03:08:18 03:02:06	05:19:42 05:20:31	NNO	global	performed	0328	TM ON; NN13-D1-files are missing. Sample interval of x- and s-band is not equal; cycle slips in s- and x-band
121	1484/ 1485		073	14/3/05	GRV	09:46:42 07:22:28	11:39:58 12:09:59	DSS-63	global	performed	0329	X-Band: 5073073A.ODF S-Band: 5073073B.ODF
122	1488/ 1489		074	15/3/05	GRV	12:58:53 12:45:51	14:57:12 15:23:36	DSS-15	global	performed	0330	X-Band: 5074074B.ODF S-Band: 5074074C.ODF TM ON; cycle slip in X-band file
123	1493/ 1494		075	16/3/05	GRV	22:50:36 22:44:51	00:32:40 00:33:51	NNO	global	performed	0331	TM ON
124	1497/ 1498		077	18/3/05	GRV	00:26:40 00:20:36	03:26:57 03:26:36	NNO	global	performed	0332	TM ON; RNG- and CL-files from DOY 76; NN13_NN11 D2 data are not valid data

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125	1498/ 1499		077	18/3/05	GRV	08:00:57 07:15:35	10:09:16 11:11:47	DSS-63	global	performed	0333	X-Band: 5077077B.ODF S-Band: 5077077B.ODF TM ON; cycle slip in X-band file
126	1502/ 1503		078	19/3/05	GRV	10:02:11	11:40:50	DSS-63	global	cancelled by MPS		TM ON; cancelled by ESOC due to Star Tracker test
127	1504/ 1505		079	20/3/05	GRV	00:20:47 00:22:26	02:29:04 02:31:19	NNO	global	performed	0334	TM ON; All files available. Calibration files and RNG data files from doy 78. But RNG data files cover exactly measurement
128	1505/ 1506		079	20/3/05	GRV	07:40:10 07:15:21	09:12:29 10:03:09	DSS-63	global	performed	0335	X-Band: 5079079B.ODF S-Band: 5079079D.ODF TM ON
	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
129	1506/ 1507		079	20/3/05	GRV	13:48:28 13:01:15	15:56:46 16:59:15	DSS-14	global	performed	0336	X-Band: 5079079A.ODF S-Band: 5079079C.ODF TM ON; No X-band file with sample rate 1 per sec
130	1508/ 1509		080	21/3/05	GRV	03:15:05 03:08:57	05:22:22 05:23:23	NNO	global	performed	0337	TM ON
131	1509/ 1510	659	080	21/3/05	GRV	08:51:21 07:23:27	11:24:40 12:09:58	DSS-63	global	performed	0338	X-Band: 5080080B.ODF S-Band: 5080080D.ODF TM ON
132	1510/ 1511		080	21/3/05	GRV	16:40:40 15:53:00	17:40:59 18:24:59	DSS-15	global	performed	0339	X-Band: 5080080A.ODF S-Band: 5080080C.ODF TM ON; cycle slips in X-band
133	1513/ 1514	660	081	22/3/05	GRV	12:53:37 12:34:36	14:58:53 16:05:46	DSS-14	global	performed	0340	X-Band: 5081081B.ODF S-Band: 5081081C.ODF TM ON; cycle slips in X-band
134	1517/ 1518	661	082	23/3/05	GRV	14:37:54 13:10:37	17:52:13 18:24:59	DSS-14	global	performed	0341	X-Band: 5082082B.ODF S-Band: 5082082C.ODF TM ON; cycle slips in X-band

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135	1522/ 1523		084	25/3/05	GRV	00:29:27 00:22:53	03:28:45 03:10:10	NNO	global	failed	0051	TM ON; about 10 minutes during the measurement are missing, CL-files from DoY 083, IFMS-3 was unable to look correctly on
136	1524/ 1525		084	25/3/05	GRV	13:56:05	16:56:22	GST	global	cancelled by MPS		TM ON
137	1526/ 1527		085	26/3/05	GRV	04:04:43 03:58:52	05:58:00 05:59:08	NNO	global	performed	0342	TM ON; CL-files from DoY 084
	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
138	1527/ 1528	664	085	26/3/05	GRV	09:51:59 08:24:21	11:40:24 11:54:59	DSS-63	global	performed	0343	X-Band: 5085085A.ODF S-Band: 5085085B.ODF TM ON; cycle slip in X-band
139	1529/ 1530		086	27/3/05	GRV	00:23:42 00:17:57	02:32:04 02:33:12	NNO	global	performed	0344	TM ON; CL and RNG-files from DoY 085; NN13_NN11 D2 data are not valid data
140	1530/ 1531		086	27/3/05	GRV	07:23:03	09:16:21	MAD	global	cancelled by MPS		TM ON
141	1531/ 1532	665	086	27/3/05	GRV	12:59:19 12:59:01	15:58:39 17:10:19	DSS-14	global	performed	0345	X-Band: 5086086A.ODF S-Band: 5086086B.ODF TM ON; cycle slip in X-band
142	1533/ 1534		087	28/3/05	GRV	03:16:58 03:10:48	05:26:16 05:27:06	NNO	global	performed	0346	TM ON; CL-files from DoY 086
143	1543/ 1544		089	30/3/05	GRV	21:48:11 21:42:12	00:38:32 00:39:35	NNO	global	performed	0347	TM ON; NN13 D2 sample rate 1/10 sec, NN11 (D1 and D2) has a gap of one minute in measurement, beginig time of
144	1547/ 1548		091	1/4/05	GRV	00:31:27 00:25:30	03:31:51 03:32:55	NNO	global	performed	0348	TM ON; CL-files from DoY 90; NN13_NN11 D2 data are not valid data

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145	1550/ 1551		091	1/4/05	GRV	21:38:32 21:32:49	23:41:51 23:43:08	NNO	global	performed	0349	TM ON
146	1551/ 1552		092	2/4/05	GRV	03:25:50 03:20:09	05:46:11 05:47:31	NNO	global	performed	0350	TM ON; CL-files from DOY 91
	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
147	1555	672	092	3/4/05	BSR	22:30:07	05:10:07	DSS-43	South Highlands	performed	0351	TM ON; BSR Calibration
148	1558/ 1559		094	4/4/05	GRV	03:18:04 03:10:44	05:28:28 05:31:34	NNO	global	performed	0352	TM ON, CL-files from DOY 93
149	1561/ 1562		094	4/4/05	GRV	22:38:08 22:34:04	01:38:28 01:40:56	NNO	global	performed	0353	TM ON; NN11 D2 data are missing
150	1569		097	7/4/05	GRV	04:25:42 04:19:46	05:42:55 05:43:53	NNO	global	performed	0354	TM ON; CL-files from DoY 96
151	1575/ 1576		098	8/4/05	GRV	21:35:46 21:29:38	23:45:04 23:45:38	NNO	global	performed	0355	TM ON
152	1579/ 1580		099	9/4/05	GRV	23:38:05 23:32:15	02:38:23 02:39:41	NNO	global	performed	0356	TM ON; Cycle slips in s- & x-band
153	1583	679	100	10/4/05	BSR	19:05:27	01:45:27	DSS-43	Hellas	performed	0357	TM ON, BSR Calibration
end of MTP 11												
start of MTP 12												

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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
154	1590/ 1591		103	13/4/05	GRV	02:39:09 02:33:11	04:35:23 04:36:24	NNO	global	performed	0358	TM ON; CL-files taken from 102
155	1593/ 1594		103	13/4/05	GRV	21:45:23 21:37:35	00:45:23 00:46:26	NNO	global	performed	0359	TM ON; CL-files missing due to a Station Computer crash; 1 AGC-file NN12 D1 missing
156	1597/ 1598		105	15/4/05	GRV	01:40:05 01:32:26	03:05:22 03:07:33	NNO	global	performed	0360	TM ON; CL-files from 104
157	1598/ 1599	684	105	15/4/05	GRV	07:22:01 06:52:33	10:22:01 11:14:47	DSS-63	global	performed	0361	X-Band: 5105105D.ODF S-Band: 5105105F.ODF TM ON
158	1599/ 1600	684	105	15/4/05	GRV	14:05:20 12:48:30	17:05:20 17:59:59	DSS-14	global	performed	0362	X-Band: 5105105C.ODF S-Band: 5105105E.ODF TM ON
159	1601/ 1602		106	16/4/05	GRV	03:32:01 03:26:11	05:28:41 05:29:57	NNO	global	performed	0363	TM ON; CL-files from 105
160	1605/ 1606	686	107	17/4/05	GRV	07:05:44 06:37:05	09:25:22 10:51:46	DSS-63	global	performed	0364	X-Band: 5107107D.ODF S-Band: 5107107F.ODF TM ON
161	1606/ 1607	686	107	17/4/05	GRV	13:48:03 12:48:39	16:08:43 17:08:53	DSS-15	global	performed	0365	X-Band: 5107107C.ODF S-Band: 5107107E.ODF TM ON
162	1607/ 1608		107	17/4/05	GRV	20:32:24 20:26:30	22:52:03 22:52:30	NNO	global	performed	0366	TM ON; out of lock for about 2 minutes; additional single peak in X-band
	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

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163	1609/ 1610	687	108	18/4/05	GRV	10:22:46 09:34:06	11:36:20 12:06:35	DSS-63	global	performed	0367	X-Band: 5108108A.ODF S-Band: 5108108B.ODF TM ON
164	1611/ 1612		108	18/4/05	GRV	22:45:18	01:45:18	NNO	global	failed		TM ON; due to an computer-error, only X-Band observations
165	1613/ 1614	688	109	19/4/05	GRV	13:06:09 12:41:57	15:11:58 16:39:41	DSS-15	global	performed	0368	X-Band: 5109109D.ODF S-Band: 5109109C.ODF TM ON; cycle slips in X-band
166	1614/ 1615		109	19/4/05	GRV	20:23:29 20:17:27	21:55:19 21:56:18	NNO	global	performed	0369	TM ON
167	1615/ 1616		110	20/4/05	GRV	01:38:38 01:32:36	04:38:38 04:39:42	NNO	global	performed	0370	TM ON; CL-files from DOY 109; out of lock for 3-4 minutes at 02:35 UT; one NN11 D1 file missing; NN13_NN11 D2 data
168	1618/ 1619		110	20/4/05	GRV	22:48:36 22:42:38	00:48:38 00:50:41	NNO	global	performed	0371	TM ON
169	1622/ 1623		112	22/4/05	GRV	01:39:48 01:34:03	03:41:52 03:43:07	NNO	global	performed	0372	TM ON; CL-files from DOY 111
170	1623/ 1624	691	112	22/4/05	GRV	07:54:36 07:56:30	10:25:13 11:29:58	DSS-63	global	performed	0373	X-Band: 5112112C.ODF S-Band: 5112112B.ODF TM ON; cycle slips in X-band
171	1625/ 1626		112	22/4/05	GRV	20:51:53 20:46:08	23:51:52 23:53:07	NNO	global	performed	0374	TM ON; one NN12-D2 file missing
	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	1626/ 1627		113	23/4/05	GRV	04:23:32 04:19:07	05:18:54 05:20:05	NNO	global	performed	0375	TM ON

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173	1627	692	113	23/4/05	GRV	10:18:36 06:15:54	11:35:54 12:04:59	DSS-63	global	performed	0376	X-Band: 5113113B.ODF S-Band: 5113113A.ODF TM ON
174	1629/ 1630		113	23/4/05	GRV	23:45:11 23:40:07	02:45:11 02:46:07	NNO	global	performed	0377	TM ON
175	1631	693	114	24/4/05	BSR	11:34:03	12:49:03	DSS-14	Syrtis Major	performed	0378	TM ON
176	1633/ 1634		115	25/4/05	GRV	02:38:24 02:33:20	05:15:08 05:15:20	NNO	global	performed	0379	TM ON
177	1634/ 1635		115	25/4/05	GRV	09:21:45 06:10:28	11:37:25 12:05:30	DSS-63	global	performed	0380	X-Band: 5115115B.ODF S-Band: 5115115A.ODF TM ON; cycle slips in X-band
178	1637/ 1638		116	26/4/05	GRV	06:39:03	08:31:42	MAD	global	cancelled by MPS		TM ON
179	1639/ 1640		116	26/4/05	GRV	19:52:43 19:44:31	21:58:22 22:00:31	NNO	global	performed	0381	TM ON
	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
180	1643/ 1644		117	27/4/05	GRV	21:51:33 21:45:35	00:51:32 00:51:35	NNO	global	performed	0382	TM ON
181	1647/ 1648		119	29/4/05	GRV	00:44:52 00:39:11	03:44:52 03:45:11	NNO	global	performed	0383	TM ON
182	1649/ 1650		119	29/4/05	GRV	15:14:15 14:16:49	17:02:10 17:29:59	DSS-14	global	performed	0384	X-Band: 5119119C.ODF S-Band: 5119119B.ODF TM ON; cycle slips in X-band

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183	1650/ 1651		119	29/4/05	GRV	20:54:47 21:48:57	23:54:48 23:56:17	NNO	global	performed	0385	TM ON, NN11-D2 files missing
184	1651		120	30/4/05	GRV	03:38:07 03:32:19	05:01:29 05:02:54	NNO	global	performed	0386	TM ON
185	1654/ 1655		120	30/4/05	GRV	23:47:58	02:47:58	NNO	global	failed		TM ON, no files found on DDS
186	1657/ 1658		121	1/5/05	GRV	19:57:57	22:57:57	NNO	global	failed		TM ON, no files found on DDS
187	1667/ 1668	703	124	4/5/05	GRV	10:50:00	18:00:40	DSS-14	global	performed	0387	TM ON; MARSIS Deployment
188		711	132	12/5/05	GRV	10:40:00	14:45:00	DSS-14	global	failed	0388	TM ON; MARSIS Deployment; No files with sample rate 1 per sec
end of MTP 12												
start of MTP 13												
	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
189	1721/ 1722		139	19/5/05	GRV	18:47:50	20:25:15	NNO	global	cancelled by MPS		TM ON
190	1737/ 1738		144	24/5/05	GRV	05:42:34	08:42:35	MAD	global	cancelled by MPS		TM ON
191	1738/ 1739		144	24/5/05	GRV	12:25:52	14:43:33	GST	global	cancelled by MPS		TM ON

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192	1739/ 1740		144	24/5/05	GRV	19:09:11	22:09:11	NNO	global	cancelled by MPS		TM ON
193	1743/ 1744		145	25/5/05	GRV	22:02:20	01:02:20	NNO	global	cancelled by MPS		TM ON
194	1744		146	26/5/05	PHO	03:35:03	04:35:03	NNO (CAN)	Phobos	unknown		TM ON; distance to Phobos 523 km
195	1745		146	26/5/05	BSR	09:59:09	11:59:09	GST (MAD)	-137.36 -5.65	cancelled by MPS		BSR (9:59:09 - 10:59:09); BSLW (10:59:09 - 11:29:09); BCAL (11:29:09 - 11:59:09) target: stealth
196	1746/ 1747		146	26/5/05	GRV	18:52:37	21:12:18	NNO	global	failed		TM ON, only NN11(D1, D2, MT) files, no calibration files, MEX Safe mode: no RSI
197	1747/ 1748		147	27/5/05	GRV	00:55:33	03:55:33	NNO	global	failed		TM ON, no files found on DDS, MEX Safe mode: no RSI
198	1749/ 1750		147	27/5/05	GRV	14:22:05	16:49:57	GST	global	failed	0389	TM ON; no S-band files with sample rate 1 per sec
199	1750/ 1751		147	27/5/05	GRV	21:05:23	00:05:23	NNO	global	failed		TM ON, only callibration files found on DDS, MEX safe mode: no RSI
	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
200	1754		148	28/5/05	GRV	18:54:08	20:15:11	NNO	global	failed		TM ON, only NN11(D1, D2, MT,RGN)- and calibration files, MEX safe mode: no RSI
201	1754/ 1755		148	28/5/05	GRV	23:58:28	02:58:28	NNO	global	failed		TM ON, no files found on DDS, MEX Safe mode: no RSI

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202	1755/ 1756		149	29/5/05	GRV	06:41:48	09:41:47	MAD	global	failed	0390	TM ON; no S-band files with sample rate 1 per sec
203	1757/ 1758		149	29/5/05	GRV	20:08:24	23:08:23	NNO	global	failed		TM ON, only callibration files found on DDS, MEX safe mode: no RSI
204	1758/ 1759		150	30/5/05	GRV	02:51:37	04:39:57	NNO	global	failed		TM ON, only callibration files found on DDS, MEX safe mode: no RSI
205	1761/ 1762		150	30/5/05	GRV	23:01:25	02:01:25	GST	global	failed	0391	TM ON; No files with sample rate 1 per sec
206	1762/ 1763		151	31/5/05	GRV	05:46:30	08:44:40	MAD	global	failed	0392	TM ON; no S-band files with sample rate 1 per sec
207	1763/ 1764		151	31/5/05	GRV	12:27:56	15:27:56	GST	global	failed	0393	TM ON; no S-band files with sample rate 1 per sec
208	1767		152	1/6/05	BSR	13:53:49	15:53:49	GST	-137.66 -5.05	cancelled by MPS		BSR (13:53:49 - 14:53:49), BSLW (14:53:49 - 15:23:49); BCAL (15:23:49 - 15:53:49) target: stealth
	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
209	1770/ 1771		153	2/6/05	GRV	11:37:35	14:30:45	GST	global	failed	0394	TM ON; No S-band files with sample rate 1 per sec
210	1771/ 1772		153	2/6/05	GRV	18:52:48 18:12:00	21:13:59 20:41:00	NNO	global	performed	0395	TM ON, Calibration files missing (D1, D2,RGN), RGN files missing, some Meteo files missing
211	1774/ 1775		154	3/6/05	GRV	14:23:45	17:23:45	GST	global	failed	0396	TM ON; No S-band files with sample rate 1 per sec

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212	1775/ 1776		154	3/6/05	GRV	21:06:59 20:27:09	00:06:59 23:33:59	NNO	global	performed	0397	TM ON
213	1778		155	4/6/05	GRV	12:17:12	13:33:31	GST	global	failed	0398	TM ON; No files with sample rate 1 per sec
214	1779		155	4/6/05	GRV	19:00:30 18:20:21	20:16:48 19:43:22	NNO	global	performed	0220	TM ON, D1 and D2 calibration files missing, MET NN11 files missing, RGN all files missing; NN12-Data are not valid data
215	1779/ 1780		155	4/6/05	GRV	00:00:04 23:17:45	03:00:04 02:26:31	NNO	global	performed	0179	TM ON, Calibration files missing (D1, D2,RGN); one NN12 D2 file missing; NN12-Data are not valid data
216	1782/ 1783		156	5/6/05	GRV	20:09:42 19:27:33	23:09:42 22:36:38	NNO	global	performed	0399	TM ON; S-band non-coherent for about 40 minutes after end of X-band data recording! Goes back to coherent mode after 40
217	1783/ 1784		157	6/6/05	GRV	02:52:58 02:09:47	04:25:57 03:51:50	NNO	global	performed	0400	TM ON; X- and S-band non-coherent for about 30 minutes after the first 50 minutes of data-recording! X-band back to
end of MTP 13												
start of MTP 14												
	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
218	1785		157	6/6/05	PHO	14:39:59	15:39:59	GST	Phobos	performed	0401	TM ON; distance to Phobos ~900 km; cycle slip in X-band
219	1786/ 1787		157	6/6/05	GRV	23:00:31 22:54:36	01:13:33 01:14:37	NNO	global	performed	0402	TM ON; X- and S-band data non coherent starting 90 minutes after begin of data recording! Both stay non coherent until end of data
220	1789/ 1790		158	7/6/05	GRV	19:02:50	21:36:19	NNO	global	failed		TM ON, Problems because of bad weather near NNO. Loss of Lock, loss of ranging at 20:45

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221	1793/ 1794		159	8/6/05	GRV	21:41:14 21:35:07	00:28:42 00:29:07	NNO	global	performed	0403	TM ON; X- and S-band-data non coherent starting 107minutes after begin of data recording! Both stay non-coherent until end
222	1794		160	9/6/05	PHO	03:48:26	04:48:26	MAD		cancelled by MPS		TM ON; distance to Phobos 305 km
223	1795		160	9/6/05	BSR	10:06:26	11:06:26	GST (MAD)	-6.10 -2.17	cancelled by MPS		TM ON; target Opportunity
224	1799		161	10/6/05	GRV	14:06:52	15:10:52	GST	global	performed	0404	TM ON
225	1804		162	11/6/05	GRV	18:12:42 18:07:26	20:17:31 19:40:53	NNO	global	performed	0431	TM ON, RGN-Calib file missing
226	1805/ 1806		163	12/6/05	GRV	06:37:31	09:05:59	MAD	global	failed	0405	TM ON
227	1806		163	12/6/05	BSR	12:03:16	13:03:16	GST	-5.94 -1.50	cancelled by MPS		TM ON; target Opportunity
	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
228	1807/ 1808		163	12/6/05	GRV	19:44:43 19:38:33	22:18:51 21:34:48	NNO	global	performed	0406	TM ON; some AGC-files missing; S-band non-coherent from 21.30:45 [GRT]
229		744	165	13/6/05		09:55:00	16:10:00	DSS-14		failed	0407	TM ON; MARSIS deployment (Dipole #2)
230		747	168	17/6/05		11:55:00	16:00:00	DSS-14		failed	0408	TM ON; MARSIS deployment (Monopole)

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Mars Express Radio Science Experiment - Science Operations Logbook

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231		763	184	3/7/05	BSR	16:40:00	23:25:00	DSS-43		unknown	0409	TM ON; Bistatic Radar
end of MTP 14												
start of MTP 15												
232	1886 / 1887		185	4/7/05	GRV	23:06:07 22:59:08	01:21:44 01:24:09	NNO	global	performed	0410	TM ON
233	1887 / 1888	765	186	5/7/05	GRV	05:04:59 04:00:10	08:04:55 09:10:48	DSS-63	global	performed	0411	X-Band: 5186186A.ODF S-Band: 5186186B.ODF TM ON
234	1889 / 1890		186	5/7/05	GRV	18:31:24 18:09:29	20:42:33 20:43:27	NNO	global	performed	0412	TM ON
235	1893 / 1894	767	187	6/7/05	BSR	22:48:00	23:47:59	CAN	74.92 -60.85	performed	0413	TM ON; Sth Hellas
236	1895 / 1896	767	188	7/7/05	GRV	12:15:57 11:18:51	13:50:35 14:44:59	DSS-14	global	performed	0414	X-Band: 5188188B.ODF S-Band: 5188188C.ODF TM ON; cycle slips in X-band
237	1897 / 1898		189	8/7/05	GRV	01:37:31 01:31:58	03:01:35 03:02:58	NNO	global	performed	0415	TM ON
238	1903 / 1904		190	9/7/05	GRV	17:46:34 17:40:05	19:36:04 19:37:16	NNO	global	performed	0416	TM ON
239	1905 / 1906	770	191	10/7/05	GRV	07:12:01 05:43:10	09:02:33 09:51:06	DSS-63	global	performed	0417	X-Band: 5191191A.ODF S-Band: 5191191B.ODF 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?	Volume-ID	remarks comments
240	1907 / 1908		191	10/7/05	GRV	20:26:03 20:19:00	22:28:56 22:29:49	NNO	global	performed	0418	TM ON
241	1911 / 1912		192	11/7/05	GRV	22:21:55 22:14:15	01:21:56 01:23:00	NNO	global	performed	0419	TM ON
242	1914 / 1915		193	12/7/05	GRV	18:31:28 18:21:59	20:27:29 20:32:01	NNO	global	performed	0420	TM ON
243	1918 / 1919		194	13/7/05	GRV	21:24:21 21:18:26	00:24:14 00:25:18	NNO	global	performed	0421	TM ON
244	1922		195	14/7/05	GRV	22:05:40	22:45:40	NNO	AscraeusMons	failed		TM ON, many files missing
245	1922 / 1923		196	15/7/05	GRV	00:40:40 00:33:29	03:05:51 03:07:06	NNO	global	performed	0422	TM ON
246	1926		197	16/7/05	GRV	00:58:20 00:50:40	01:38:20 01:39:36	NNO	OlympusMons	performed	0423	TM ON
247	1929 / 1930		197	16/7/05	GRV	23:19:40 23:13:58	02:19:33 02:14:58	NNO	global	performed	0424	TM ON
248	1937 / 1938	799	200	19/7/05	GRV	06:10:12 04:12:54	08:05:17 08:36:40	DSS-63	global	performed	0425	X-Band: 5200200C.ODF S-Band: 5200200D.ODF TM ON; cycle slips in S- & X-band
249	1938 / 1939	779	200	19/7/05	GRV	12:00:24 11:50:56	14:48:27 16:23:06	DSS-15	global	partially performed	0426	Only X-Band: 5200200B.ODF TM ON

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Mars Express Radio Science Experiment - Science Operations Logbook

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250	1939		200	19/7/05	OCI	17:44:57	17:58:06	NNO	180.64 30.67	failed		TM ON; loss of IFMS3 and no recoverage before end of Radio Science; no ranging either!
251	1939 / 1940		200	19/7/05	GRV	18:31:39	20:12:24	NNO	global	failed		TM ON; loss of IFMS3 and no recoverage before end of Radio Science; no ranging either!
252	1942		201	20/7/05	OCI	13:49:30	14:05:11	NNO	249.50 35.81	unknown	0427	TM ON; IFMS 1 could not lock, only IFMS 2 & 3 should be available (not clear if this measurement is affected)
253		780	201	20/7/05	GRV	13:34:00 13:34:41	14:05:00 16:44:58	DSS-15	global	partially performed	0428	Only S-Band: 5201201B.ODF TM ON
254	1942 / 1943	780	201	20/7/05	GRV	14:31:22 13:34:41	16:44:57 16:44:58	DSS-15	global	partially performed	0429	Only S-Band: 5201201B.ODF TM ON
255	1943		201	20/7/05	OCI	20:31:37 20:27:00	20:48:01 20:49:00	NNO	249.52 35.8	performed	0430	TM ON; only IFMS 2&3 available; big noise on S-band
256	1943 / 1944		201	20/7/05	GRV	21:24:31 21:19:00	00:24:37 00:26:00	NNO	global	performed	0431	TM ON; IFMS 1 could not lock, only IFMS 2 & 3 should be available (not clear if this measurement is affected); RG
257	1945		202	21/7/05	OCI	10:05:11	11:14:11	GST	316.98 38.72	partially performed	0432	TM ON; No files with sample rate 1 per sec
258	1946 / 1947		202	21/7/05	GRV	17:37:56 17:32:00	20:07:59 20:09:00	NNO	global	performed	0433	TM ON
259	1947		202	21/7/05	OCI	23:22:36 23:18:00	23:40:14 23:41:00	NNO	219.41 39.55	performed	0434	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?	Volume-ID	remarks comments
260	1948	782	203	22/7/05	GRV	04:34:52 03:18:55	05:28:52 07:44:28	DSS-63	AscræusMons	performed	0435	Only X-Band: 5203203C.ODF TM ON; DSS-63 has a problem with their s-band downlink, but X-band should be ok!
261		782	203	22/7/05	GRV	05:46:00 03:18:55	06:23:00 07:44:28	DSS-63	global	partially performed	0436	Only X-Band: 5203203C.ODF TM ON; DSS-63 has a problem with their s-band downlink, but X-band should be ok!; Changed
262	1948		203	22/7/05	OCI	06:01:23 03:18:55	06:23:23 07:44:28	DSS-63	121.91 40.45	performed	0437	Only X-Band: 5203203C.ODF TM ON; RMP-file corrected; only X-band L2-processed
263	1949		203	22/7/05	OCI	12:57:34 09:38:45	13:06:34 16:49:59	DSS-15	24.19 41.16	performed	0438	X-Band: 5203203B.ODF S-Band: 5203203D.ODF TM ON
264	1949 / 1950	782	203	22/7/05	GRV	13:42:43 09:38:45	16:43:41 16:49:59	DSS-15	global	performed	0439	X-Band: 5203203B.ODF S-Band: 5203203D.ODF TM ON
265	1950		203	22/7/05	OCI	19:34:52 19:30:00	19:49:52 19:50:00	NNO	286.62 41.94	performed	0440	TM ON
266	1950 / 1951		203	22/7/05	GRV	20:36:11 20:30:00	23:26:59 23:28:00	NNO	global	performed	0441	TM ON
267	1951/ 1952	783	204	23/7/05	GRV	03:47:47 03:37:24	04:47:44 06:43:06	DSS-63	global	performed	0442	X-Band: 5204204A.ODF S-Band: 5204204B.ODF TM ON; cycle slip in X-band
268	1953 / 1954		204	23/7/05	GRV	17:31:50 17:24:11	19:36:30 19:37:39	NNO	global	performed	0443	TM ON
269	1954		204	23/7/05	OCI	22:27:56 22:24:00	22:42:56 22:44:00	NNO	255.66 44.36	performed	0444	TM ON

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270	1956	784	205	24/7/05	BSR	10:58:14	11:58:14	DSS-14	155.91 49.44	performed	0445	TM ON; Nothern_Plains
271	1957		205	24/7/05	OCI	18:38:00	18:53:00	NNO	322.34 45.95	performed	0445	TM ON; data have a high noise level: in NN12 D1X ~ 520 mHz in S-Band: NN13 D1S ~130 mHz
272	1957 / 1958		205	24/7/05	GRV	19:47:35	22:29:16	NNO	global	performed	0446	TM ON, no range files available
273	1958		206	25/7/05	OCI	01:18:58 01:16:00	01:36:12 01:40:00	NNO	224.51 46.42	performed	0447	TM ON
274	1960	785	206	25/7/05	GRV	10:35:00 09:07:35	11:24:00 11:24:59	DSS-63	global	performed	0448	X-Band: 5206206A.ODF S-Band: 5206206B.ODF TM ON; cycle slips in X-band
275	1961 / 1962		206	25/7/05	GRV	22:53:15	01:22:07	NNO	global	performed	0449	TM ON
276	1963		207	26/7/05	OCI	11:03:07	11:13:07	NNO	357.71 49.29	failed		TM ON no files found on DDs
277	1963 / 1964	786	207	26/7/05	GRV	12:03:00 12:05:22	14:48:25 15:49:18	DSS-15	global	performed	0450	X-Band: 5207207B.ODF S-Band: 5207207C.ODF TM ON
278	1965		208	27/7/05	OCI	00:26:49	00:39:52	NNO	259.9 49.75	performed	0451	TM ON
279	1969 / 1970		209	28/7/05	GRV	04:40:13	07:07:20	MAD	global	cancelled by MPS		TM ON; Mail from John Reynolds: Madrid Pass but no Radio Science scheduled

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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	
280	1970 / 1971	788	209	28/7/05	GRV	11:13:00 11:15:13	13:50:40 14:25:39	DSS-14	global	performed	0452	X-Band: 5209209B.ODF S-Band: 5209209C.ODF TM ON
281	1971 / 1972		209	28/7/05	GRV	18:08:55	19:52:16	NNO	global	performed	0453	TM ON; no NN13-D2 files
282	1972		209	28/7/05	OCI	23:24:51 23:21:00	23:43:51 23:44:00	NNO	295.13 52.64	performed	0454	TM ON; data have a high noise level in X-Band (NN11 D1X ~1.715 Hz) and S-Band (NN13 D1S ~0.475 Hz) and seem to be
283	1973	789	210	29/7/05	OCI	06:12:27 05:58:09	06:27:27 09:49:52	DSS-63	197.18 52.96	performed	0455	X-Band: 5210210B.ODF S-Band: 5210210c.ODF TM ON
284	1973 / 1974	789	210	29/7/05	GRV	07:37:46 02:58:00	09:50:00 09:54:45	DSS-63	global	performed	0456	X-Band: 5210210B.ODF S-Band: 5210210C.ODF TM ON
285	1974		210	29/7/05	OCI	12:59:47	13:10:47	NNO		failed		TM ON; no files found on DDS
286	1974 / 1975	789	210	29/7/05	GRV	14:10:00	16:43:22	DSS-15	global	failed	0457	TM ON; No files with sample rate 1 per sec
287	1975		210	29/7/05	OCI	19:42:18 19:38:00	19:54:18 19:55:00	NNO	1.52 53.74	performed	0458	TM ON; NN13 D2 files missing
288	1975 / 1976		210	29/7/05	GRV	21:06:24	23:26:30	NNO	global	performed	0459	TM ON
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	

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289	1978		211	30/7/05	OCI	15:50:31	16:04:39	NNO			failed		TM ON; no data available
290	1978 / 1979		211	30/7/05	GRV	17:24:31	19:36:02	NNO	global		failed		TM ON; no files found on DDS
291	1979		211	30/7/05	OCI	22:29:09 22:25:17	22:48:09 22:49:17	NNO	330.17 55.21		performed	0460	TM ON;
292	1979 / 1980		212	31/7/05	GRV	00:03:35	00:49:10	NNO	global		failed		TM ON; no files found on DDS
293	1980		212	31/7/05	OCI	05:11:30	05:31:30	MAD	134.55 55.30		cancelled by MPS		TM ON; Mail from John Reynolds: Madrid Pass but no Radio Science scheduled
294	1981		212	31/7/05	OCI	11:59:39 11:53:14	12:14:43 12:12:53	DSS-15	134.55 55.30		performed	0461	X-Band: 5212212A.ODF S-Band: 5212212B.ODF TM ON
295	1982		212	31/7/05	OCI	18:37:47	18:58:27	NNO			failed		TM ON; no files found on DDS
end of MTP 15													
start of MTP 16													
	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	
296	1985	792	213	1/8/05	OCI	14:59:05	15:08:43	DSS-63	103.11 57.32	partially performed	0462	TM ON; No files with sample rate 1 per sec	
297	1986		213	1/8/05	OCI	21:30:10 21:26:00	21:52:10 21:53:00	NNO	5.31 57.67	performed	0463	TM ON, no NN13 files, some NN11 and NN12 files missing	

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298	1986/ 1987		213	1/8/05	GRV	23:12:28 23:06:00	01:21:17 01:22:00	NNO	global	performed	0464	TM ON; NN13-D2 files missing
299	1989		214	2/8/05	OCI	17:40:42 17:52:00	18:02:42 18:02:00	NNO	71.82 58.69	performed	0465	TM ON; some files are missing
300	1989/ 1990		214	2/8/05	GRV	19:25:18 19:19:00	21:30:45 21:31:00	NNO	global	performed	0466	TM ON; no NN13-D2 files
301	1991/ 1992	794	215	3/8/05	OCI	10:00:01 10:00:00	10:24:59 10:24:00	DSS-15	???	performed	0467	TM ON; cycle slips in S- & X-band
302	1992	794	215	3/8/05	OCI	13:55:01 13:50:01	14:13:01 14:15:00	DSS-15	138.48 59.73	performed	0468	TM ON; cycle slips in S- & X-band
303	1993/ 1994		215	3/8/05	GRV	22:22:11 22:16:00	00:23:16 00:35:00	NNO	global	failed	0176	TM ON; no records between 22:30 till 22:52; no NN13-D2-file for 22:16-22:30
304	1995	795	216	4/8/05	OCI	10:01:42 10:00:01	10:23:42 10:24:59	DSS-15	204.98 60.67	performed	0469	TM ON; cycle slips in S- & X-band
	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
305	1995/ 1996	795	216	4/8/05	GRV	11:50:12 09:46:57	13:49:34 13:49:35	DSS-15	global	performed	0470	X-Band: 5216216B.ODF S-Band: 5216216C.ODF TM ON; cycle slips in S- & X-band
306	1997		216	4/8/05	OCI	23:28:46 23:24:00	23:50:46 23:51:00	NNO	9.43 61.33	performed	0471	TM ON, s- and x-band doesn't have the same sample rate TM ON, this measurement was formerly known as a GRV, but changed into OCI because of a not suitable s-band and therefore
307	1997/ 1998		217	5/8/05	OCI	01:19:10 01:13:00	02:02:27 02:04:00	NNO	global	performed	0472	

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308	2000		217	5/8/05	OCI	19:39:23 19:35:00	20:01:23 20:02:00	NNO	76.10 62.28	performed	0473	TM ON; NN1-D1/D2-files only till 19:42; X-Band file has an increased noise level (NN11 D1 ~156 mHz)
309	2001/ 2002	797	218	6/8/05	GRV	04:15:00 04:07:05	06:08:19 09:26:38	DSS-63	global	performed	0474	X-Band: 5218218B.ODF S-Band: 5218218D.ODF TM ON; GS changed to DSS-15 according to file content
310	2002	797	218	6/8/05	OCI	08:51:00 09:07:00	09:28:25 09:32:00	DSS-63	240.57 62.91	performed	0475	TM ON
311	2003		218	6/8/05	GRV	14:22:56	15:02:56	DSS-14	OlympusMons	performed	0476	TM ON; GS changed to DSS-14 according to file content
312	2003/ 2004		218	6/8/05	GRV	17:44:16 17:38:00	19:34:32 19:35:00	NNO	global	performed	0477	TM ON; no NN13-D2 files
313	2004		218	6/8/05	OCI	22:33:36 22:29:00	22:55:26 22:56:00	NNO	45.17 63.56	performed	0478	TM ON; no NN13 files (IFMS3 crashed shortly before the measurement)
	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
314	2005	798	219	7/8/05	OCI	05:02:00 05:17:00	05:37:00 05:36:00	DSS-63	307.48 63.90	performed	0479	TM ON
315	2005/ 2006		219	7/8/05	GRV	07:12:40	07:29:50	MAD (GST)	global	failed	0480	TM ON
316	2006	798	219	7/8/05	OCI	12:00:00	12:22:36	DSS-15	209.66 64.17	performed	0481	TM ON
317	2006/ 2007	798	219	7/8/05	GRV	13:56:00 11:45:57	15:44:00 15:43:59	DSS-15	global	performed	0482	X-Band: 5219219A.ODF S-Band: 5219219C.ODF TM ON

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318	2007		219	7/8/05	OCI	18:44:12 18:40:00	19:06:12 19:07:00	NNO	111.98 64.49	performed	0483	TM ON; NN13 G1 files missing Large Offset and drift in S-Band data! Reason unknown! Noise level in S-band is ok!
319	2008		220	8/8/05	OCI	01:28:43 01:24:00	01:49:43 01:50:00	NNO	14.26 64.79	performed	0484	TM ON; NN13 D2 files missing
320	2011		220	8/8/05	OCI	21:38:25 21:34:00	22:00:25 22:01:00	NNO	81.20 65.69	performed	0485	TM ON
321	2011/ 2012		220	8/8/05	GRV	23:37:44 23:31:41	01:19:32 01:20:29	NNO	global	performed	0486	TM ON; NN13 D1 and D2 files missing
322	2014		221	9/8/05	OCI	17:48:58 17:44:00	18:10:58 18:12:00	NNO	148.40 66.64	performed	0487	TM ON; NN13 D2 files missing
	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
323	2015		222	10/8/05	OCI	00:32:36 00:29:00	00:54:36 00:59:00	NNO	50.70 66.90	performed	0488	TM ON
324	2018		222	10/8/05	OCI	20:43:29 20:39:00	21:05:29 21:06:00	NNO	117.88 67.78	performed	0489	TM ON
325	2018/ 2019		222	10/8/05	GRV	22:46:40 22:40:00	00:21:15 00:22:00	NNO	global	performed	0490	TM ON; wrong uplink-frequency in header in NN12, NN13, uplink-frequency corrected in NN13_NN12
326	2019/ 2020	802	223	11/8/05	GRV	05:30:00 05:22:10	07:05:00 07:04:22	DSS-63	global	performed	0491	X-Band: 5223223C.ODF S-Band: 5223223D.ODF TM ON
327	2021/ 2022		223	11/8/05	GRV	18:58:50 18:52:55	20:30:37 20:31:49	NNO	global	performed	0492	TM ON

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328	2022		223	11/8/05	OCI	23:37:50 23:31:00	23:59:50 00:01:00	NNO	87.66 68.90	performed	0493	TM ON; NN13 D2 files missing
329	2025		224	12/8/05	OCI	19:48:30 19:44:00	20:10:30 20:11:00	NNO	155.38 69.77	performed	0494	TM ON; CL-D1 and NN13-D2 files missing
330	2027	804	225	13/8/05	OCI	09:15:00	09:37:47	DSS-14	320.47 70.30	failed		TM ON; RSR hardware failure, no data acquired
331	2028	804	225	13/8/05	OCI	15:59:29	16:21:29	DSS-14	222.92 70.53	failed		TM ON; RSR hardware failure, no data acquired
	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
332	2029		225	13/8/05	OCI	22:43:10 22:39:00	23:05:10 23:06:00	NNO	125.60 70.81	performed	0495	TM ON; CL-D1, some NN13-D1 and all NN13-D2 files missing
333	2030	805	226	14/8/05	OCI	05:26:00 05:25:00	05:48:45 05:50:00	DSS-63	28.19 71.06	performed	0496	TM ON
334	2032		226	14/8/05	OCI	18:53:57 18:50:22	19:15:57 19:17:29	NNO	193.64 71.57	performed	0497	TM ON; just NN13 D1 + 2, AGC 1 + 2 and ME-files found on DDS; found some of the missing files later on DDS
335	2034	806	227	15/8/05	OCI	08:06:12 08:21:00	08:43:12 08:46:00	DSS-63	359.01 72.05	performed	0498	TM ON; cycle slips in X-band
336	2036		227	15/8/05	GRV	20:05:15 20:00:09	20:45:15 20:47:08	NNO	ArsiaMons	performed	0499	TM ON, D2 NN13 files missing
337	2037	807	228	16/8/05	OCI	04:17:00 04:32:00	04:54:10 04:57:00	DSS-63	67.42 72.76	performed	0500	TM ON; cycle slip in X-band

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338	2040		229	17/8/05	OCI	00:43:17 00:39:12	01:05:17 01:06:10	NNO	136.04 73.41	performed	0501	TM ON; no MET files
339	2043		229	17/8/05	GRV	19:06:59 19:01:00	19:46:59 19:48:00	NNO	PavoniMons	performed	0502	TM ON
340	2045	809	230	18/8/05	OCI	10:06:30 10:25:00	10:43:30 10:44:00	DSS-15	10.96 74.37	performed	0503	TM ON
	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
341	2046		230	18/8/05	OCI	17:05:16 17:01:20	17:27:16 17:28:12	NNO	274.03 74.53	performed	0504	TM ON, D2 NN13 files missing
342	2047		230	18/8/05	OCI	23:48:51 23:44:00	00:10:51 00:11:00	NNO	177.36 74.71	performed	0505	TM ON; no MET files
343	2054		232	20/8/05	OCI	22:54:54 22:51:00	23:16:54 23:18:00	NNO	219.84 75.60	performed	0506	TM ON, D2 NN13 files missing
344	2057		233	21/8/05	OCI	19:06:07	19:28:07	NNO	289.79 75.83	performed	0507	TM ON, D2 NN13 files missing
345	2058		233	21/8/05	GRV	23:52:58 23:47:16	00:32:58 00:34:37	NNO	ArsiaMons	performed	0508	TM ON; problems on IFMS 1: GRV RNG starts earlier than planned; no AGC from IFMS 1, Ranging files missing
346	2059	813	234	22/8/05	OCI	08:18:34 08:39:00	08:55:34 08:59:00	DSS-63	96.65 75.93	performed	0509	TM ON
347	2061		234	22/8/05	GRV	20:02:23 19:56:18	20:42:23 20:43:18	NNO	VallesMarineris	performed	0510	TM ON; no NN13 D2-files

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348	2061		234	22/8/05	OCI	22:01:27 21:57:06	22:23:27 22:23:56	NNO	???	performed	0511	TM ON; no DOP 2 from IFMS 3 due to hang up of system
349	2063	814	235	23/8/05	OCI	11:13:00 11:34:00	11:49:00 11:54:00	DSS-14	???	performed	0512	TM ON
	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
350	2065		235	23/8/05	GRV	22:54:39 22:47:04	23:34:59 23:36:26	NNO	PavoniMons	performed	0513	TM ON, D2 NN13 files missing
351	2065		236	24/8/05	OCI	00:56:30 00:51:06	01:18:30 01:19:09	NNO	???	performed	0514	TM ON; problems with IFMS 3: Doppler measurements three minutes late in starting
352			236	24/8/05	BSR	06:00:00	14:00:00	DSS-63	???	performed	0515	TM ON
353	2068		236	24/8/05	OCI	21:07:30 21:03:37	21:29:30 21:30:22	NNO	307.34 75.80	performed	0516	TM ON; no NN13 D2-files; wrong uplink-frequency in header in NN12, NN13, uplink-frequency corrected in NN13_NN12
354	2069	816	237	25/8/05	OCI	03:36:00 03:56:00	04:13:14 04:16:00	DSS-63	210.98 75.71	performed	0517	TM ON; cycle slip in X-band
355		816	237	25/8/05	BSR	06:00:00	14:00:00	DSS-63	???	unknown	0518	TM ON
356	2071		237	25/8/05	OCI	17:18:52 17:15:01	17:40:52 17:42:08	NNO	17.73 75.51	performed	0519	TM ON
357	2072		237	25/8/05	OCI	00:02:43 23:59:00	00:24:43 00:26:00	NNO	280.79 75.42	performed	0520	TM ON, D2 NN13 files missing; much noise in S-Band

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358	2073	817	238	26/8/05	OCI	06:31:38 06:52:00	07:08:38 07:12:00	DSS-63	184.15 75.29	performed	0521	TM ON
359	2075	817	238	26/8/05	BSR	15:36:00	17:28:00	DSS-14		performed	0522	TM ON; RSPC Priority_3
360	2075		238	26/8/05	OCI	20:14:14 20:10:17	20:36:14 20:37:17	NNO	350.76 75.00	performed	0523	TM ON; no CL-files TM ON, RSPC_Priority_3; S-band has an increased noise level ($1\sigma \sim 1.7$ Hz) and shows spikes up to ~ 8
	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
361	2076		239	27/8/05	GRV	00:48:28 00:42:43	01:08:57 01:10:11	NNO	PavoniMons	performed	0524	TM ON; no CL- and RG-files; no NN13 D2-files
362	2076	818	239	27/8/05	OCI	02:42:00 03:03:00	03:19:55 03:23:00	DSS-63	253.92 74.86	performed	0551	TM ON; cycle slip in X-band
363	2078	818	239	27/8/05	BSR	12:06:30	14:36:14	DSS-14		performed	0525	TM ON; RSPC_Priority_1
364	2079		239	27/8/05	OCI	23:09:25 23:05:09	23:31:25 23:33:07	NNO	323.28 74.34	performed	0526	TM ON
365	2080	819	240	28/8/05	GRV	03:25:38 03:25:53	04:20:38 06:13:32	DSS-63	ArsiaMons	performed	0527	X-Band: 5240240A.ODF S-Band: 5240240B.ODF TM ON
366	2080	819	240	28/8/05	OCI	05:38:00 05:58:00	06:15:13 06:18:00	DSS-63	226.57 74.11	performed	0528	TM ON
367	2082		240	28/8/05	OCI	19:20:57 19:17:12	19:42:57 19:44:05	NNO	32.68 73.68	performed	0529	TM ON

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end of MTP 16

start of MTP 17

	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
368	2085	820	241	29/8/05	GRV	13:16:09 13:01:22	13:56:09 13:56:09	DSS-14	Hellas	performed	0530	X-Band: 5241241A.ODF S-Band: 5241241B.ODF TM ON; cycle slip in X-band
369	2086		241	29/8/05	OCI	22:16:30	22:38:30	NNO	4.30 72.75	performed	0531	TM ON, D2 NN13 files missing
370	2089		242	30/8/05	OCI	18:27:54	18:49:54	NNO	72.73 71.98	performed	0532	TM ON, D2 NN13 files missing
371	2091		243	31/8/05	BSR	03:58:00	04:58:00	DSS-63	-86.72 -89.75	performed	0533	TM ON; target: South Pole
372	2091	822	243	31/8/05	OCI	07:55:43 08:00:00	08:17:43 08:20:00	DSS-14	238.26 71.40	failed		TM ON; Signal outside 2 KHz bandwidth (information from Sami Asmar)
373	2093		243	31/8/05	OCI	21:23:32 21:21:05	21:45:32 21:46:22	NNO	43.61 70.81	performed	0534	TM ON
374	2095	823	244	1/9/05	OCI	10:51:29 10:55:00	11:13:29 11:15:00	DSS-14	208.73 70.23	performed	0535	TM ON
375	2096		244	1/9/05	OCI	17:35:17 17:31:00	17:57:17 17:58:00	NNO	111.28 69.93	performed	0536	TM ON
376	2097		245	2/9/05	OCI	00:19:16 00:15:00	00:41:16 00:42:00	NNO	13.83 69.93	performed	0537	TM ON

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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
377	2098	824	245	2/9/05	GRV	04:36:12 04:21:21	05:16:12 07:23:08	DSS-65	PavonisMons	performed	0538	X-Band: 5245245B.ODF S-Band: 5245245C.ODF TM ON; cycle slips in s- & X-band
378	2098	824	245	2/9/05	OCI	07:03:00 07:08:00	07:25:00 07:28:00	DSS-63	276.34 69.30	partially performed	0539	TM ON; No X- and S-band files with sample rate 1 per sec
379	2100		245	2/9/05	OCI	20:30:47 20:26:22	20:52:47 20:54:10	NNO	81.28 68.65	performed	0540	TM ON; no NN13 files
380	2102		246	3/9/05	GRV	07:28:24	08:08:24	GST (MAD)	TharsisRidge	cancelled by MPS		TM ON; cancelled due to station equipment over allocation
381	2102		246	3/9/05	OCI	09:58:42	10:20:42	MAD (GST)	246.17 67.96	cancelled by MPS		TM ON; cancelled due to station equipment over allocation
382	2103		246	3/9/05	OCI	16:42:38	17:04:38	NNO	148.53 67.63	failed		TM ON; no files found on DDS
383	2105	826	247	4/9/05	GRV	03:37:51 03:22:59	04:17:51 06:30:43	DSS-65	VallesMarineris	performed	0541	X-Band: 5247247A.ODF S-Band: 5247247B.ODF TM ON; cycle slips in X-band
384	2105	826	247	4/9/05	OCI	06:10:33 06:15:00	06:32:33 06:35:00	DSS-65	313.15 66.98	performed	0542	TM ON; cycle slips X-band
385	2107		247	4/9/05	OCI	19:38:26 19:33:00	20:00:26 20:01:00	NNO	117.79 66.27	performed	0543	TM ON
	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

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386	2109	827	248	5/9/05	OCI	09:06:14 09:10:00	09:28:14 09:30:00	DSS-14	282.34 65.57	performed	0544	TM ON
387	2111		248	5/9/05	GRV	19:56:17	20:36:17	MAD	Huygens	partially performed	0545	TM ON; no files with sample rate 1 per sec
388	2111		248	5/9/05	OCI	22:34:04	22:56:04	NNO	86.80 64.85	performed	0546	TM ON, D2 & G1 NN13 files missing
389	2113	828	249	6/9/05	BSR	07:57:59	08:57:59	DSS-63	-52.90 -87.10	performed	0547	TM ON; target: ResSthPolCap
390	2114		249	6/9/05	OCI	18:46:03 18:41:00	19:08:03 19:09:00	NNO	153.37 63.73	performed	0548	TM ON; S-band has an increased noise level ($1\sigma \sim 1.83$ Hz) and shows spikes.
391	2118		250	7/9/05	GRV	18:57:57	19:37:57	MAD	Hellas	partially performed	0549	TM ON; no files with sample rate 1 per sec
392	2118		250	7/9/05	OCI	21:41:57 21:37:00	22:03:57 22:04:00	NNO	121.83 62.28	performed	0550	TM ON; NN11 D1 & D2 missing
393	2119		251	8/9/05	OCI	04:26:00	04:48:00	MAD	23.93 61.89	cancelled by MPS		TM ON; cancelled due to station equipment over allocation
	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
394	2121		251	8/9/05	OCI	17:53:49 17:49:00	18:15:19 18:16:00	NNO	188.09 61.16	performed	0552	TM ON; NN13 D2 missing, S-band has an increased noise level ($1\sigma \sim 1.75$ Hz) and shows spikes.
395	2122		251	8/9/05	GRV	21:50:17 21:44:00	22:30:17 22:40:00	NNO	Huygens	performed	0553	TM ON

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396	2125		252	9/9/05	OCI	20:49:43 20:45:00	21:11:43 21:12:00	NNO	156.23 59.65	performed	0554	TM ON; S-band has an increased noise level ($1\sigma \sim 0.163$ Hz) and shows spikes.
397	2126	832	253	10/9/05	OCI	03:33:46 03:39:00	03:55:46 03:59:00	DSS-63	58.26 59.24	performed	0555	TM ON; cycle slip in X-band
398	2127	832	253	10/9/05	GRV	07:25:51	08:05:51	DSS-14	VallesMarineris	partially performed	0556	TM ON; no S- & X-band files with sample rate 1 per sec
399	2129		253	10/9/05	OCI	23:45:41 23:42:00	00:07:41 00:08:00	NNO	124.15 58.17	performed	0557	TM ON
400	2135		255	12/9/05	OCI	16:09:36 16:06:00	16:31:36 16:32:00	NNO	255.85 55.85	performed	0558	TM ON
401	2139		256	13/9/05	OCI	19:05:41 19:00:52	19:27:41 19:28:29	NNO	223.38 54.41	performed	0559	TM ON, D2 NN13 files missing
402	2140		256	13/9/05	GRV	22:46:03 22:39:30	23:26:03 23:26:45	NNO	Hellas	performed	0560	TM ON; NN11 G1 & G2 missing
	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
403	2143		257	14/9/05	OCI	22:01:27 21:57:00	22:23:27 22:24:00	NNO	190.86 52.98	performed	0561	TM ON, D2 NN13 files missing, S-band has an increased noise level ($1\sigma \sim 0.121$ Hz) and shows spikes.
404	2146		258	15/9/05	OCI	18:13:27 18:09:00	18:35:27 18:36:00	NNO	256.42 51.83	performed	0562	TM ON, D2 NN13 files missing; NN12 has a sampling rate of 1/s but NN11 has a sampling rate of 10/s.
405	2150		259	16/9/05	OCI	21:09:28 21:05:00	21:31:28 21:30:00	NNO	223.66 50.46	performed	0563	TM ON, D2 NN13 files missing

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406	2153		260	17/9/05	OCI	17:21:12	17:43:12	NNO	289.12 49.43	performed	0564	TM ON, D2 NN13 files missing
407	2157		261	18/9/05	OCI	20:17:08	20:39:08	NNO	256.26 48.05	performed	0565	TM ON, D2 NN13 files missing, S-band has an increased noise level ($1\sigma \sim 0.168$ Hz) and shows spikes.
408	2158	841	262	19/9/05	OCI	03:01:04 03:06:00	03:23:04 03:26:00	DSS-63	158.02 47.48	performed	0566	TM ON
409	2161		262	19/9/05	OCI	23:13:02 23:08:00	23:32:02 23:36:00	NNO	223.28 46.81	performed	0567	TM ON; no NN13 and NN12_G1&G2 files
410	2171		265	22/9/05	OCI	18:32:11	18:54:52	NNO	320.72 43.85	cancelled by MPS		TM ON; Safe Mode Recovery Day
411	2175		266	23/9/05	OCI	21:27:40 21:26:00	21:49:13 21:50:00	NNO	287.63 42.76	performed	0568	TM ON, the log reports that the operator was unable to achieve solid lock on the S-Band Downlink with either
	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
412	2178		267	24/9/05	OCI	17:39:19 17:35:00	18:01:19 18:02:00	NNO	352.74 42.05	performed	0569	TM ON, NN11-D file missing, S-band has an increased noise level ($1\sigma \sim 0.137$ Hz) and shows spikes.
413	2182		268	25/9/05	OCI	20:34:47 20:31:00	20:56:47 20:57:00	NNO	319.53 41.11	performed	0570	TM ON
end of MTP 17												
start of MTP 18												
	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

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414	2189		270	27/9/05	GRV	18:10:36 18:04:00	19:15:04 19:06:00	NNO	global	performed	0571	
415	2190		270	27/9/05	OCI	19:41:28 19:37:00	20:03:28 20:04:00	NNO	351.35 39.72	performed	0572	
416	2193		271	28/9/05	GRV	18:50:32 18:44:00	19:30:32 19:31:00	NNO		performed	0573	TM ON; uplink_window
417	2194		271	28/9/05	OCI	22:36:39	22:58:39	NNO	318.04 39.02	performed	0574	
418	2202	853	274	1/10/05	BSR	08:04:00	09:04:00	DSS-14	118.87 49.54	performed	0575	TM ON; UtopiaPlantia
419	2204		274	1/10/05	OCI	17:54:06 17:50:00	18:16:06 18:16:00	NNO	54.68 37.65	performed	0576	
420	2214		277	4/10/05	GRV	15:55:26	16:35:26	NNO		performed	0577	TM ON; uplink_window; only NN11 files; two single peaks in X-band observed frequency and AGC; archive only NN11 D1
421	2218		278	5/10/05	OCE	17:28:43 17:40:00	17:44:21 22:29:00	NNO	???	performed	0578	TM ON; only NN11 without AGC; OCE-test
422	2221		279	6/10/05	GRV	14:57:02	15:37:02	NNO		performed	0579	TM ON; uplink_window; no files on DDS; S-band very noisy; short loss of lock at the beginning of the measurement
423	2232		282	9/10/05	GRV	16:50:56	17:30:56	NNO		performed	0580	TM ON; uplink_window
	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

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424	2236		283	10/10/05	GRV	19:43:14	20:23:14	NNO		performed	0581	TM ON; uplink_window
425	2237	863	284	11/10/05	GRV	02:26:24 02:11:37	03:06:24 03:06:24	DSS-63		performed	0582	X-Band: 5284284C.ODF S-Band: 5284284B.ODF TM ON; uplink_window
426	2250		287	14/10/05	GRV	17:46:15	18:26:15	NNO	Hellas	performed	0583	TM ON
427	2261		290	17/10/05	GRV	19:39:57	20:19:57	NNO	Hellas	performed	0584	TM ON
428	2267	871	292	19/10/05	BSR	13:00:00	14:00:00	DSS-14	-151.30 47.41	performed	0585	TM ON; ArcadiaPlantia
end of MTP 18												
start of MTP 19												
	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
429	2294	879	300	27/10/05	GRV	01:20:48	02:00:48	DSS-63	Hellas	partially performed	0586	TM ON; no files with sample rate 1 per sec
430	2308	882	304	31/10/05	BSR	00:44:00	01:44:00	DSS-63	135.07 47.16	performed	0587	TM ON; VL2
431	2310		304	31/10/05	GRV	12:49:39 12:41:00	13:29:39 13:38:00	NNO		performed	0588	TM ON; uplink
432	2314		305	1/11/05	GRV	15:41:54 15:36:00	16:21:54 16:24:00	NNO	ClaritasFossaeS E	failed		TM ON; only NN11-files

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433	2325	888	308	4/11/05	BSR	18:43:54	19:43:54	DSS-63	-94.82 41.54	performed	0589	TM ON; AlbaPatera
434	2339		312	8/11/05	GRV	15:38:08 15:32:00	16:18:08 16:19:00	NNO		performed	0590	TM ON; uplink
435	2342 / 2343		313	9/11/05	GRV	13:58:55	16:21:48	NNO	global	cancelled by MPS		TM ON; On DOY 313 we had only had a 40 minute pass, from 16:00z without uplink or any radiometric measurements.
436	2343 / 2344	893	313	9/11/05	GRV	21:04:26 20:49:39	23:00:26 23:00:27	DSS-63	global	performed	0591	X-Band: 5313314B.ODF S-Band: 5313313BD.ODF TM ON; cycle slips in X-band
437	2346 / 2347		314	10/11/05	GRV	16:51:10 16:44:45	18:38:35 18:40:02	NNO	global	performed	0592	TM ON
	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
438	2349 / 2350		315	11/11/05	GRV	13:00:18	15:24:49	NNO	global	cancelled by MPS		TM ON; On DOY 315 we didn't begin track until 16:33z, with carrier up at 18:27z. day were not flagged as Radio Science.
439	2351 / 2352	896	316	12/11/05	GRV	02:26:24 02:11:35	04:51:25 04:51:27	DSS-65	global	performed	0593	X-Band: 5315316A.ODF S-Band: 5316316A.ODF TM ON;
440	2358	897	317	13/11/05	GRV	23:27:51 23:16:47	23:56:21 03:54:37	DSS-65		performed	0594	X-Band: 5317318B.ODF S-Band: 5317318A.ODF TM ON; uplink; cycle slips in S- & X-band
441	2358 / 2359		318	14/11/05	GRV	01:27:54	03:54:36	DSS-65	global	failed	0595	TM ON; GS changed to DSS-65 according to file content
442	2361		318	14/11/05	GRV	19:28:27	19:45:53	NNO		cancelled by MPS		TM ON; uplink; cancelled because xTx is off due to power reasons

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443	2361 / 2362	898	318	14/11/05	GRV	21:37:00	00:04:32	DSS-65	global	failed	0596	TM ON; GS changed to DSS-65 according to file content
444	2367 / 2368		320	16/11/05	GRV	13:55:26 13:49:37	16:24:28 16:25:37	NNO	global	performed	0597	TM ON
445	2371		321	17/11/05	GRV	14:40:08 14:34:21	15:16:08 15:17:17	NNO	global	performed	0598	TM ON
446	2371 / 2372		321	17/11/05	GRV	16:47:41	19:20:10	NNO	global	performed	0599	TM ON
	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
447	2373 / 2374	902	322	18/11/05	GRV	06:13:47 05:59:55	08:44:25 08:44:26	DSS-14	global	performed	0600	X-Band: 5322322C.ODF S-Band: 5322322B.ODF TM ON; cycle slip in X-band
448	2377		323	19/11/05	OCI	04:56:29	05:16:29	GST	286.42 64.78	cancelled by MPS		TM ON; cancelled because xTx is off due to power reasons
449	2378	903	323	19/11/05	OCI	11:37:54 11:43:00	11:59:54 12:03:00	DSS-14	187.83 64.82	performed	0601	TM ON; cycle slips in X-band
450	2378		323	19/11/05	GRV	15:49:10 15:39:00	17:51:39 17:52:00	NNO	global	performed	0602	TM ON; sampling rate of IFMS2 and 3 is 10 samples per second
451	2379		323	19/11/05	OCI	18:21:09 18:16:00	18:43:09 18:44:00	NNO	89.06 64.94	performed	0603	TM ON
452	2381		324	20/11/05	OCI	07:47:51	08:09:51	GST	251.70 65.11	cancelled by MPS		TM ON; cancelled because xTx is off due to power reasons

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453	2381 / 2382		324	20/11/05	GRV	11:58:24	14:01:14	NNO	global	performed	0604	TM ON
454	2382		324	20/11/05	OCI	14:31:14	14:53:14	NNO	153.07 65.17	performed	0605	TM ON
455	2382 / 2383	904	324	20/11/05	GRV	20:11:26 19:41:30	21:14:29 21:14:30	DSS-63	global	performed	0606	X-Band: 5324325A.ODF S-Band: 5324324A.ODF TM ON; GS changed to DSS-63 according to file content
end of MTP 19												
start of MTP 20												
	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
456	2385		325	21/11/05	OCI	10:41:12	11:03:12	NNO	217.14 65.38	performed		TM ON, obviously non-coherent measurement. Data show a noise of 1.5 - 2 Hertz. 1-way, Signal outside 2 KHz bandwidth
457	2385/ 2386		325	21/11/05	GRV	14:50:38	17:09:33	NNO	global	performed	0607	TM ON
458	2386		325	21/11/05	OCI	17:24:33	17:46:33	NNO	118.41 65.47	performed	0608	TM ON
459	2387	905	326	22/11/05	OCI	00:07:57 00:12:00	00:29:57 00:31:00	DSS-63	19.81 65.52	performed	0609	TM ON
460	2387/ 2388	906	326	22/11/05	GRV	04:16:48 04:02:03	06:21:13 06:21:13	DSS-14	global	performed	0610	X-Band: 5326326B.ODF S-Band: 5326326A.ODF TM ON
461	2389		326	22/11/05	OCI	13:34:35 13:30:00	13:56:35 13:57:00	NNO	182.55 65.64	performed	0611	TM ON

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462	2390/ 2391	907	327	23/11/05	GRV	00:58:34 00:47:13	02:01:00 03:21:19	DSS-63	global	performed	0612	X-Band: 5327327C.ODF S-Band: 5327327B.ODF TM ON; cycle slips in X-band
463	2391	906	327	23/11/05	OCI	03:01:00 03:07:00	03:23:00 03:27:00	DSS-63	345.29 65.78	performed	0613	TM ON; cycle slips in X-band
464	2391/ 2392		327	23/11/05	GRV	07:08:30	09:13:55	GST	global	partially performed	0614	TM ON; no S- & X-band files with sample rate 1 per sec
	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
465	2393		327	23/11/05	OCI	16:27:21 16:23:00	16:49:21 16:50:00	NNO	148.14 65.88	performed	0615	TM ON; RGD obviously locked on some spurious signal, therefore huge offset in D1 and AGC2. (see email from Marco Lanucara);
466	2393/ 2394		327	23/11/05	GRV	20:55:49	22:55:29	MAD	global	failed	0616	TM ON; no files with sample rate 1 per sec
467	2394		327	23/11/05	OCI	23:10:29	23:32:29	MAD	49.56 65.95	partially performed	0617	TM ON; no files with sample rate 1 per sec
468	2394/ 2395		328	24/11/05	GRV	04:15:42	05:38:43	GST	global	failed		TM ON; no files with sample rate 1 per sec
469	2395		328	24/11/05	OCI	05:53:43	06:15:43	GST	310.93 66.01	partially performed	0619	TM ON; no files with sample rate 1 per sec
470	2399/ 2400		329	25/11/05	GRV	12:51:51 12:46:00	15:14:52 14:31:00	NNO	global	performed	0620	TM ON
471	2400		329	25/11/05	OCI	15:29:52 15:26:00	15:51:52 15:53:00	NNO	178.26 66.18	performed	0621	TM ON; large offset of about -690 Hz (-150 Hz) in IFMS 1 (IFMS3) due to IFMS update in NNO (email von Marco Lanucara).

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472	2401	909	329	25/11/05	OCI	22:13:02 21:59:18	22:35:02 22:33:15	DSS-63	79.65 66.25	performed	0622	X-Band: 5329330A.ODF S-Band: 5329329A.ODF TM ON; No S-band signal. Originally scheduled 1-way;
473	2402	910	330	26/11/05	OCI	04:56:20 04:41:48	05:18:20 05:16:34	DSS-14	341.16 66.27	performed	0623	X-Band: 5330330B.ODF S-Band: 5330330A.ODF TM ON
474	2403		330	26/11/05	OCI	11:39:28 11:36:00	12:01:28 11:56:00	NNO	242.64 66.31	performed	0624	TM ON; large offset of about -740 Hz (-830 Hz) in IFMS 1 (IFMS3) due to IFMS update in NNO (email von Marco Lanucara).
475	2404		330	26/11/05	OCI	18:22:44 18:19:00	18:44:44 18:46:00	NNO	144.10 66.34	performed	0625	TM ON; large offset of about -740 Hz (-830 Hz) in IFMS 1 (IFMS3) due to IFMS update in NNO (email von Marco Lanucara).
476	2405	910	331	27/11/05	OCI	01:05:53 00:51:06	01:27:53 01:26:08	DSS-65	45.58 66.38	performed	0618	X-Band: 5331331D.ODF S-Band: 5331331B.ODF TM ON
477	2405/ 2406	911	331	27/11/05	GRV	05:09:24 04:55:47	07:34:09 08:09:29	DSS-14	global	performed	0626	X-Band: 5331331C.ODF S-Band: 5331331A.ODF TM ON
478	2406	911	331	27/11/05	OCI	07:49:09 4:55:47	08:11:09 08:09:29	DSS-14	307.02 66.43	performed	0627	X-Band: 5331331C.ODF S-Band: 5331331A.ODF TM ON
479	2406/ 2407		331	27/11/05	GRV	11:52:20 11:46:00	14:17:21 13:33:00	NNO	global	performed	0628	TM ON
480	2407		331	27/11/05	OCI	14:32:21 14:29:00	14:54:21 14:55:00	NNO	208.64 66.41	performed	0629	TM ON; large offset of about -280 Hz (-80 Hz) in IFMS 1 (IFMS3) due to IFMS update in NNO (email von Marco Lanucara).
481	2410		332	28/11/05	OCI	10:42:06 10:34:00	11:04:06 11:04:00	NNO	273.12 66.50	performed	0630	TM ON; large offset of about -940 Hz (-990 Hz) in IFMS 1 & 2 (IFMS3) due to IFMS update in NNO (email von Marco

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482	2411		332	28/11/05	OCI	17:25:24 17:26:00	17:47:24 17:50:00	NNO	174.69 66.50	performed	0631	TM ON, large offset of about -940 Hz (-770 Hz) in IFMS 1& 2 (IFMS3) due to IFMS update in NNO (email von Marco
483	2413		333	29/11/05	OCI	06:51:54	07:13:54	GST	337.74 66.55	partially performed	0632	TM ON; no files with sample rate 1 per sec
484	2413/ 2414		333	29/11/05	GRV	10:53:00 10:47:00	13:20:04 12:36:00	NNO	global	performed	0633	TM ON, NN13 D2 files missing; large offset of about -80 Hz (-370 Hz) in IFMS 1& 2 (IFMS3) due to IFMS update in NNO (email von
485	2414		333	29/11/05	OCI	13:35:04 13:31:00	13:57:04 13:58:00	NNO	239.29 66.57	performed	0634	TM ON, NN13 D2 files missing
486	2415/ 2416	913	334	30/11/05	GRV	00:18:52 00:04:02	02:46:32 03:21:43	DSS-65	global	performed	0635	X-Band: 55334334C.ODF S-Band: 5334334B.ODF TM ON
487	2416	913	334	30/11/05	OCI	03:01:32 03:07:00	03:23:32 03:27:00	DSS-65	42.38 66.60	performed	0636	TM ON
488	2417		334	30/11/05	OCI	09:47:06 09:42:00	10:06:49 10:08:00	NNO	303.94 66.62	performed	0637	TM ON
489	2418		334	30/11/05	OCI	16:28:03 16:20:00	16:50:03 16:51:00	NNO	205.59 66.60	performed	0638	TM ON
490	2419/ 2420		335	1/12/05	GRV	03:10:41	04:40:41	GST	global	partially performed	0639	TM ON; no S- & X-band files with sample rate 1 per sec
491	2420		335	1/12/05	OCI	05:54:36	06:16:36	GST	8.78 66.61	partially performed	0640	TM ON; no S- & X-band files with sample rate 1 per sec

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492	2421/ 2422		335	1/12/05	GRV	16:36:36 16:30:00	18:13:04 18:14:00	NNO	global	performed	0641	TM ON
493	2422/ 2423	915	335	1/12/05	GRV	23:19:34 23:04:45	01:49:23 02:24:31	DSS-65	global	performed	0642	X-Band: 5335336C.ODF S-Band: 5335336B.ODF TM ON
494	2423	915	336	2/12/05	OCI	02:04:23 02:09:29	02:26:23 02:29:00	DSS-65	73.48 66.66	performed	0643	TM ON
495	2423/ 2424		336	2/12/05	GRV	06:02:32	08:18:00	GST	global	failed	0644	TM ON; no files with sample rate 1 per sec
496	2425		336	2/12/05	OCI	15:30:54 15:27:00	15:52:54 15:54:00	NNO	236.77 66.64	performed	0645	TM ON; large noise in S-Band; obviously problems with IFMS3; reason unknown so far (ESA is informed)
497	2426/ 2427		337	3/12/05	GRV	02:55:24	04:42:25	GST (MAD)	global	partially performed	0646	TM ON; no S- & X-band files with sample rate 1 per sec
498	2427		337	3/12/05	OCI	04:57:25	05:19:25	GST	40.06 66.64	partially performed	0647	TM ON; no S- & X-band files with sample rate 1 per sec
499	2427/ 2428		337	3/12/05	GRV	09:42:51 09:37:00	11:25:42 10:42:00	NNO	global	performed	0648	TM ON
500	2428		337	3/12/05	OCI	11:40:42 11:37:00	12:02:42 12:04:00	NNO	301.66 66.65	performed	0649	TM ON
	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

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

501	2429/ 2430	917	337	3/12/05	GRV	22:20:18 22:05:43	00:52:15 01:27:18	DSS-63	global	performed	0650	X-Band: 5337338B.ODF S-Band: 5337338A.ODF TM ON; cycle slips in X-band
502	2430	917	338	4/12/05	OCI	01:07:15 01:12:00	01:29:15 01:32:00	DSS-63	104.98 66.63	partially performed	0651	TM ON; no S- & X-band files with sample rate 1 per sec
503	2431/ 2432		338	4/12/05	GRV	11:46:16 11:40:00	14:18:49 13:35:00	NNO	global	performed	0652	TM ON
504	2432		338	4/12/05	OCI	14:33:49 14:30:00	14:55:49 14:57:00	NNO	268.32 66.62	performed	0653	TM ON
505	2435		339	5/12/05	OCI	10:43:45 10:40:00	11:05:45 11:07:00	NNO	333.45 66.65	performed	0654	TM ON
506	2436		339	5/12/05	OCI	17:26:57 17:23:00	17:48:57 17:50:00	NNO	235.10 66.56	performed	0655	TM ON
507	2438	919	340	6/12/05	OCI	06:53:30 06:59:00	07:15:30 07:13:00	DSS-14	38.54 66.54	performed	0656	TM ON
508	2438/ 2439		340	6/12/05	GRV	11:09:46 11:04:00	13:21:48 12:38:00	NNO	global	performed	0657	TM ON
509	2439		340	6/12/05	OCI	13:36:48 13:33:00	13:58:48 14:00:00	NNO	300.22 66.53	performed	0658	TM ON, large noise in S-Band, obviously problems with IFMS3; reason unknown so far (ESA is informed)
	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
510	2441		341	7/12/05	OCI	03:03:23	03:25:23	MAD (GST)	103.70 66.49	failed		station DSS15 not available

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Mars Express Radio Science Experiment - Science Operations Logbook

511	2442/ 2443		341	7/12/05	GRV	13:39:03 13:33:00	15:30:00 15:31:00	NNO	global	performed	0659	TM ON, Filename crossing: NN13 G1 Data-files belong to the NN13 D2 Data-files. NN13 D1 files are missing
512	2443		341	7/12/05	OCI	16:30:00 16:26:00	16:52:00 16:53:00	NNO	267.18 66.45	performed	0660	TM ON
513	2445	921	342	8/12/05	OCI	05:56:35 06:02:00	06:18:36 06:16:00	DSS-14	70.70 66.40	performed	0661	TM ON
514	2448		343	9/12/05	OCI	02:06:32 02:13:00	02:28:32 02:26:28	DSS-15	136.07 66.32	performed	0691	Level2 data received from Stanford (former labeled as failed because of unavailable DSS-15); cycleslip in X-band
515	2449/ 2450		343	9/12/05	GRV	12:39:57 12:37:00	14:33:05 14:34:00	NNO	global	performed	0662	TM ON
516	2450		343	9/12/05	OCI	15:33:05 15:29:00	15:55:05 15:58:00	NNO	299.58 66.28	performed	0663	TM ON
517	2450/ 2451		343	9/12/05	GRV	19:22:57	21:16:23	MAD	global	performed	0664	TM ON
518	2451	923	343	9/12/05	OCI	22:16:23 22:22:00	22:38:23 22:42:00	DSS-63	201.46 66.23	performed	0665	TM ON
	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
519	2452		344	10/12/05	BSR	06:38:52	07:08:52	DSS-14		performed	0666	TM ON
520	2453		344	10/12/05	OCI	11:43:03 11:36:00	12:05:03 12:06:00	NNO	5.14 66.15	performed	0667	TM ON

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Mars Express Radio Science Experiment - Science Operations Logbook

521	2453/ 2454		344	10/12/05	GRV	15:32:00 15:25:00	17:34:27 17:35:00	NNO	global	performed	0668	TM ON
522	2455		345	11/12/05	OCI	01:09:44 01:15:00	01:31:44 01:35:00	DSS-63	168.73 66.09	performed	0669	TM ON; cycle slips in X-band
523	2455/ 2456		345	11/12/05	GRV	05:11:00	07:21:27	GST	global	failed		station DSS14 not available
524	2457		345	11/12/05	OCI	14:36:21 14:32:00	14:58:21 14:59:00	NNO	332.35 66.03	performed	0670	TM ON
525	2457/ 2458		345	11/12/05	GRV	18:24:02	20:40:30	MAD	global	performed	0671	TM ON
526	2458/ 2459		346	12/12/05	BSR	01:53:10	02:53:11	DSS-63		performed	0672	TM ON; VL2
527	2459/ 2460		346	12/12/05	GRV	09:05:30	09:46:13	NNO	global	failed		TM ON, onle NN11 files available
	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
528	2460		346	12/12/05	OCI	10:46:13 10:42:00	11:08:13 11:11:00	NNO	37.91 65.92	performed	0673	TM ON, only NN11 files available
529	2461/ 2462	926	346	12/12/05	GRV	21:16:00	23:57:52	DSS-65	global	performed	0674	TM ON; GS changed to DSS-65 according to file content
530	2462	926	347	13/12/05	OCI	00:12:52 01:18:00	00:34:52 00:38:00	DSS-65	201.63 65.84	performed	0675	TM ON

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Mars Express Radio Science Experiment - Science Operations Logbook

531	2463	927	347	13/12/05	OCI	06:56:11 07:01:00	07:18:11 07:21:00	DSS-14	103.43 65.81	performed	0676	TM ON
532	2463/ 2464		347	13/12/05	GRV	10:42:04	13:24:33	NNO	global	failed		TM ON, NN13 D1, G1, G2, NN11 D1, D2 files are missing, waiting for retrieval of missing data
533	2464		347	13/12/05	OCI	13:39:33 13:35:00	14:01:33 14:02:00	NNO	5.39 65.74	performed	0678	TM ON; large noise in S-Band; obviously problems with IFMS3; reason unknown so far (ESA is informed)
534	2465/ 2466	928	348	14/12/05	GRV	01:36:34 01:21:45	02:51:15 03:26:12	DSS-15	global	performed	0679	X-Band: 5348348B.ODF S-Band: 5348348C.ODF TM ON; No S-Band signal due to loose cable in DSN-15
535	2466	928	348	14/12/05	OCI	03:06:15 01:21:45	03:28:15 03:26:12	DSS-15	169.10 65.67	performed	0680	X-Band: 5348348B.ODF S-Band: 5348348C.ODF TM ON
536	2467		348	14/12/05	OCI	09:49:31 09:46:00	10:11:31 10:12:00	NNO	70.95 65.63	performed	0681	TM ON
	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
537	2468		348	14/12/05	OCI	16:32:54 16:34:00	16:54:54 16:56:00	NNO	332.83 65.58	performed	0682	TM ON
538	2474		350	16/12/05	OCI	08:52:49 08:49:00	09:14:49 09:16:00	NNO	104.27 65.29	performed	0683	TM ON
539	2475		350	16/12/05	OCI	15:36:12 15:32:16	15:58:12 15:59:21	NNO	6.23 65.21	performed	0684	TM ON
540	2477	931	351	17/12/05	OCI	05:02:55 05:08:00	05:24:55 05:28:00	DSS-15	170.04 65.12	performed	0685	TM ON; No S-Band signal due to loose cable in DSS-15 (information from Sami Asmar); cycle slips in X-band

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Mars Express Radio Science Experiment - Science Operations Logbook

541	2477/ 2478		351	17/12/05	GRV	08:48:26 08:42:00	11:31:12 10:43:00	NNO	global	performed	0686	TM ON
542	2478		351	17/12/05	OCI	11:46:12 11:42:00	12:08:12 12:10:00	NNO	71.93 65.08	performed	0687	TM ON
543	2481/ 2482		352	18/12/05	GRV	11:36:34 11:29:00	14:24:33 13:41:00	NNO	global	performed	0688	TM ON
544	2482		352	18/12/05	OCI	14:39:33 14:35:00	15:01:33 15:03:00	NNO	39.71 64.84	performed	0689	TM ON
545	2483	932	352	18/12/05	OCI	21:22:54 21:28:00	21:44:54 21:48:00	DSS-63	301.58 64.80	performed	0690	TM ON; cycle slip in X-band
	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
546	2483/ 2484		353	19/12/05	GRV	01:26:33	02:39:08	GST (MAD)	global	failed		TM ON; no S- & X-band files with sample rate 1 per sec
end of MTP 20												
start of MTP 21												
	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
547	2485		353	19/12/05	OCI	10:49:35 11:47:00	11:11:35 11:13:00	NNO	105.54 64.66	performed	0692	TM ON, NN11 G1,G2 + NN12 G1,G2 files are missing
548	2485/ 2486		353	19/12/05	GRV	14:28:44 14:23:00	16:24:17 16:26:00	NNO	global	performed	0693	TM ON, NN11 G1,G2 + NN12 G1,G2 files are missing

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549	2486	933	353	19/12/05	OCI	17:32:59 17:38:00	17:54:59 17:58:00	DSS-63	7.55 64.57	performed	0694	TM ON
550	2487	934	354	20/12/05	OCI	00:16:19 00:21:00	00:38:19 00:41:00	DSS-63	269.43 64.54	performed	0695	TM ON
551	2489		354	20/12/05	OCI	13:43:01 13:39:00	14:05:01 14:07:00	NNO	73.35 64.40	performed	0696	TM ON; large noise in S-Band; obviously problems with IFMS3; reason unknown so far (ESA is informed)
552	2490/ 2491	935	355	21/12/05	GRV	00:14:57 00:03:55	01:37:30 01:37:31	DSS-65	global	performed	0697	X-Band: 5355355B.ODF S-Band: 5355355C.ODF TM ON
553	2492		355	21/12/05	OCI	09:53:06 09:49:00	10:15:06 10:17:00	NNO	139.30 64.19	performed	0698	TM ON
554	2493		355	21/12/05	OCI	16:36:24 16:32:00	16:58:24 17:00:00	NNO	41.26 64.12	performed	0699	TM ON
555	2494/ 2495	936	356	22/12/05	GRV	03:07:09 02:55:47	05:03:08 06:23:13	DSS-15	global	performed	0700	X-Band: 5356356B.ODF S-Band: 5356356C.ODF TM ON; No S-Band signal due to loose cable in DSS-15
	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
556	2495	936	356	22/12/05	OCI	06:03:08 06:08:00	06:25:08 06:28:00	DSS-15	205.22 63.98	performed	0701	TM ON; cycle slip in X-band
557	2497/ 2498	936	356	22/12/05	GRV	23:39:27 23:36:38	01:13:14 02:33:20	DSS-65	global	performed	0702	X-Band: 5356357A.ODF S-Band: 5356357B.ODF TM ON
558	2498	937	357	23/12/05	OCI	02:13:14 23:36:38	02:35:00 02:33:20	DSS-65	271.13 63.77	performed	0703	X-Band: 5356357A.ODF S-Band: 5356357B.ODF TM ON

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Mars Express Radio Science Experiment - Science Operations Logbook

559	2499		357	23/12/05	OCI	08:56:40 08:52:53	09:18:40 09:19:38	NNO	173.18 63.66	performed	0704	TM ON
560	2500		357	23/12/05	OCI	15:39:57 15:55:34	16:01:57 16:02:55	NNO	75.11 63.61	performed	0705	TM ON; NN13 files missing
561	2501	937	357	23/12/05	OCI	22:23:23 22:08:32	22:45:23 22:43:33	DSS-65	337.12 63.53	performed	0706	X-Band: 5357358A.ODF S-Band: 5357357A.ODF TM ON
562	2501/ 2502	938	358	24/12/05	GRV	02:52:05 02:51:42	04:06:40 05:26:51	DSS-15	global	performed	0707	X-Band: 5358358A.ODF S-Band: 5358358B.ODF TM ON; cycle slips in X-band
563	2502	938	358	24/12/05	OCI	05:06:40 02:51:42	05:28:40 05:26:51	DSS-15	239.10 63.45	performed	0708	X-Band: 5358358A.ODF S-Band: 5358358B.ODF TM ON; No S-Band signal due to loose cable in DSS-15
564	2502/ 2503		358	24/12/05	GRV	08:45:41 08:39:41	10:50:04 10:51:02	NNO	global	performed	0709	TM ON
	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
565	2503		358	24/12/05	OCI	11:50:04 11:45:00	12:12:04 12:13:00	NNO	141.12 63.36	partially performed		TM ON; SPICAM; X-band goes out of lock at an altitude of about 3510 km!
566	2505	939	359	25/12/05	OCI	01:16:46 01:02:52	01:38:46 06:59:24	DSS-15	305.05 63.23	performed	0710	X-Band: 5359359A.ODF S-Band: 5359359B.ODF TM ON; No S-Band signal due to loose cable in DSS-15
567	2505/ 2506	939	359	25/12/05	GRV	04:49:51 01:02:52	06:59:23 06:59:24	DSS-15	global	performed	0711	X-Band: 5359359A.ODF S-Band: 5359359B.ODF TM ON
568	2506/ 2507		359	25/12/05	GRV	11:41:53 11:36:00	13:43:30 13:45:00	NNO	global	performed	0712	TM ON

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569	2507		359	25/12/05	OCI	14:43:30 14:38:00	15:05:30 15:07:00	NNO	109.10 63.04	performed	0713	TM ON
570	2509	940	360	26/12/05	OCI	04:10:16 03:55:32	04:32:16 04:30:27	DSS-15	273.09 62.88	performed	0714	X-Band: 5360360A.ODF S-Band: 5360360B.ODF TM ON; No S-Band signal due to loose cable in DSS-15
571	2510		360	26/12/05	OCI	10:53:42 10:50:00	11:15:42 11:17:00	NNO	175.15 62.76	performed	0715	TM ON
572	2510/ 2511		360	26/12/05	GRV	14:34:14 14:28:00	16:35:46 16:38:00	NNO	global	performed	0716	TM ON
573	2511/ 2512	940	360	26/12/05	GRV	21:09:19 21:00:07	23:20:26 00:40:38	DSS-65	global	performed	0717	X-Band: 5360361A.ODF S-Band: 5360361B.ODF TM ON
	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
574	2512	941	361	27/12/05	OCI	00:20:26 21:00:07	00:42:36 00:40:38	DSS-65	339.13 62.61	performed	0718	X-Band: 5360361A.ODF S-Band: 5360361B.ODF TM ON
575	2513/ 2514		361	27/12/05	GRV	10:43:26 10:37:00	12:47:09 12:48:00	NNO	global	performed	0719	TM ON
576	2514		361	27/12/05	OCI	13:47:09 13:43:00	14:09:09 14:11:00	NNO	143.16 62.42	performed	0720	TM ON
577	2515	941	361	27/12/05	OCI	20:30:30 20:15:41	20:52:30 20:50:41	DSS-65	45.19 62.33	performed	0721	X-Band: 5361362B.ODF S-Band: 5361361A.ODF TM ON
578	2517		362	28/12/05	OCI	09:57:15 09:53:00	10:19:15 10:21:00	NNO	209.23 62.14	performed	0722	TM ON

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579	2517/ 2518		362	28/12/05	GRV	13:26:47 13:21:00	16:26:47 16:28:00	NNO	global	performed	0723	TM ON
580	2518/ 2519	942	362	28/12/05	GRV	20:51:42 20:40:17	22:24:04 23:44:15	DSS-65	global	performed	0724	X-Band: 5362362A.ODF S-Band: 5362362B.ODF TM ON; cycle slip in X-band
581	2519	942	362	28/12/05	OCI	23:24:04 20:40:17	23:46:04 23:44:15	DSS-65	13.28 61.94	performed	0725	X-Band: 5362362A.ODF S-Band: 5362362B.ODF TM ON; cycle slip in X-band
582	2521		363	29/12/05	OCI	12:50:51 12:47:00	13:12:51 13:13:00	NNO	177.28 61.75	performed	0726	TM ON
	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
583	2522	943	363	29/12/05	OCI	19:34:11 19:19:21	19:56:11 19:54:20	DSS-65	79.26 61.68	performed	0727	X-Band: 5363363A.ODF S-Band: 5363363B.ODF TM ON
584	2524		364	30/12/05	OCI	09:00:56 08:56:00	09:22:56 09:31:00	NNO	243.33 61.47	performed	0728	TM ON
585	2525		364	30/12/05	OCI	15:44:21 15:40:00	16:06:21 16:08:00	NNO	145.33 61.37	performed	0729	TM ON
586	2525/ 2526	944	364	30/12/05	GRV	20:18:31 20:16:23	21:27:42 22:47:50	DSS-65	global	performed	0730	X-Band: 5364364A.ODF S-Band: 5364364B.ODF TM ON; cycle slip in X-band
587	2526	944	364	30/12/05	OCI	22:27:42 20:16:23	22:49:42 22:47:50	DSS-65	47.38 61.26	performed	0731	X-Band: 5364364A.ODF S-Band: 5364364B.ODF TM ON; cycle slip in X-band
588	2527	945	365	31/12/05	OCI	05:11:04	05:33:04	DSS-65	309.34 61.19	partially performed	0732	TM ON; no S- & X-band files with sample rate 1 per sec

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589	2527/ 2528		365	31/12/05	GRV	08:37:41 09:03:00	10:54:28 10:56:00	NNO	global	performed	0733	TM ON
590	2528		365	31/12/05	OCI	11:54:28 11:49:00	12:16:28 12:19:00	NNO	211.42 61.05	performed	0734	TM ON
591	2529		365	31/12/05	OCI	18:37:51	18:59:51	DSS-65	113.42 60.97	performed	0735	TM ON; GS changed to DSS-65 according to file content
end of MTP 21												

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							keywords			
processed?	archived?					MaRS activity	ground station	performed? cancelled?	processed?	archived?
L1a&b	PSA					BSR	CAN	unknown		
L1a&b L02	PSA					GRV	NNO	performed	L1a&b	internal
L1a&b L02	PSA					OCE	MAD	failed	L1a&b L02	PSA
L1a&b L02	PSA					OCI	GST	cancelled by MPS		
						PHO	DSS-14	partially performed		
L1a&b L02	PSA					SCO	DSS-15			
L1a&b L02	PSA					TWOD-X	DSS-25			
L1a&b L02	PSA						DSS-43			
							DSS-63			

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Mars Express Radio Science Experiment - Science Operations Logbook

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Mars Express Radio Science Experiment - Science Operations Logbook

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Mars Express Radio Science Experiment - Science Operations Logbook

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