

Mars Express Radio Science Experiment - Science Operations Logbook

MTP 34 (sequel to Mars_ops_logbook 06)

| # | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
|---|---------------|---------------------|-------------|--------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 1 | 3833/ 3834 | | 001 | 1/1/07 | GRV | 01:45:57 01:53:39 | 04:46:00 04:53:38 | NNO | global | successfully performed | 1119 | Meteo-files missing for NN12, NN13; uplink-frequency corrected for NN13_NN12 D1, D2; large noise in data; LEVEL 02 RNG |
| 2 | 3837/ 3838 | | 002 | 2/1/07 | GRV | 04:38:57 04:46:39 | 07:39:02 07:46:38 | NNO | global | successfully performed | 1120 | LEVEL 02 RNG files missing, _1, _2 folders available; Peak in all AGC data; Uplink frequency corrected in NN13 D1 D2 |
| 3 | 3839/ 3840 | | 002 | 2/1/07 | GRV | 18:05:53 | 21:05:04 | GST | global | performed | 1121 | X-Band: 7002002A.ODF S-Band: 7002002B.ODF; LEVEL 02 data stop too early (X-band 51 min. and S-band 66 min.); |
| 4 | 3840/ 3841 | | 003 | 3/1/07 | GRV | 00:49:04 | 03:48:16 | NNO | global | successfully performed | 1122 | S-band very noisy, peaks in data; LEVEL 02 RNG files missing |
| 5 | 3842/ 3843 | | 003 | 3/1/07 | GRV | 15:05:28 | 17:14:46 | GST | global | performed | 1123 | X-Band: 7003003B.ODF S-Band: 7003003C.ODF; LEVEL 02 X-band data start 69 min. too late; Peak in X-band residuals at uplink-frequency corrected for NN13_NN12 D1, D2; Drift in residuals; LEVEL 02 RNG files missing |
| 6 | 3848/ 3849 | | 005 | 5/1/07 | GRV | 06:34:56 06:42:38 | 08:14:14 08:33:27 | NNO | global | successfully performed | 1124 | uplink-frequency corrected for NN13_NN12 D1, D2; two folders used (_1, _2); LEVEL 02 RNG files missing |
| 7 | 3851/ 3852 | | 006 | 6/1/07 | GRV | 02:44:09 02:51:51 | 05:21:49 05:41:02 | NNO | global | successfully performed | 1125 | X-Band: 7006006A.ODF S-Band: 7006006B.ODF; S-band data stop 56 min. too early; Large noise in X-band; Large noise in S- |
| 8 | 3853/ 3854 | | 006 | 6/1/07 | GRV | 16:11:00 | 19:10:18 | GST | global | performed | 1126 | LEVEL 02 RNG files missing. Peak in X-Band AGC. Peak in residuals and diff.doppler at approx. 01:53 except NN12 D1 |
| 9 | 3854/ 3855 | | 006 | 6/1/07 | GRV | 22:54:18 23:02:00 | 01:53:50 02:01:59 | NNO | global | successfully performed | 1127 | |

white: planned task

grey: status of operation? to be checked

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|----|---------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 10 | 3855/ 3856 | | 007 | 7/1/07 | GRV | 05:40:30 05:48:12 | 08:12:46 08:31:59 | NNO | global | successfully performed | 1128 | Peak at 06:36:45.5 Meteo-files NN12, NN13 missing; uplink-frequency corrected in NN13_NN12; LEVEL 02 RNG |
| 11 | 3858/ 3859 | | 008 | 8/1/07 | GRV | 01:46:44 | 04:46:48 | NNO | global | performed | 1129 | IFMS2-files missing; LEVEL 02 RNG files missing; peak in IFMS1 D1 IFMS3 D1 D2 residuals; wide range in IFMS1 D1 AGC; |
| 12 | 3867/ 3868 | | 010 | 10/1/07 | GRV | 15:04:10 | 17:15:19 | GST | global | partially performed | 1130 | NO X- and S-band files with samplerate 1 per sec, therefore no LEVEL 02 files and LEVEL 1b DPX / DPS files are available; X- |
| 13 | 3875/ 3876 | | 012 | 12/1/07 | GRV | 21:04:14 | 23:01:23 | GST | global | failed | | No files available probably cancelled by MPS |
| 14 | 3876/ 3877 | | 013 | 13/1/07 | GRV | 03:47:59 | 05:44:10 | GST | global | failed | 1132 | No files available probably cancelled by MPS |
| 15 | 3878/ 3879 | | 013 | 13/1/07 | GRV | 16:29:25 | 19:10:33 | GST | global | performed | 1133 | X-Band: 7013013A.ODF S-Band: 7013013B.ODF; LEVEL 02 X-band start 59 min. too late; Peak in X-band residuals at |
| 16 | 3879 | | 013 | 13/1/07 | GRV | 20:57:33 | 21:22:33 | GST | AlbaPatera | failed | 1134 | No files available probably cancelled by MPS |
| 17 | 3879/ 3880 | | 013 | 13/1/07 | GRV | 23:54:09 | 01:54:10 | NNO | global | failed | 1135 | no NN11 AGC, NN12 and NN13 data on DDS probably cancelled by MPS |
| 18 | 3883/ 3884 | | 015 | 15/1/07 | GRV | 01:46:59 01:54:08 | 04:46:51 04:54:07 | NNO | global | successfully performed | 1136 | meteo-files missing for NN12; NN13; uplink-frequency corrected for NN13_NN12 D1, D2; LEVEL 02 RNG files missing; Peak in |

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|------------------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 19 | 3884 | 015 | 15/1/07 | GRV | 06:18:31 06:25:40 | 06:58:31 07:11:38 | NNO | IsidesPlanetia | successfully performed | 1137 | uplink-frequency corrected for NN13_NN12 D1, D2; NN11 D2 not usable because of sample rate 1/10s; |
| end of MTP 34 | | | | | | | | | | | |
| start of MTP 35 | | | | | | | | | | | |
| orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 20 | 3886/ 3887 | 015 | 15/1/07 | GRV | 21:56:20 | 00:56:30 | GST | global | failed | 1138 | No files available probably cancelled by MPS |
| 21 | 3895/ 3896 | 018 | 18/1/07 | GRV | 10:24:59 | 12:11:17 | DSS-65 | global | performed | 1139 | X-Band: 7018018B.ODF S-Band: 7018018C.ODF; Peak in X-band residuals at 12:30:28.500; Enlarged noise in diff. Doppler uplink-frequency corrected for NN13_NN12 D1, D2; NN11 D2 not usable because of sample rate 1/10s |
| 22 | 3905 | 021 | 21/1/07 | GRV | 03:25:06 03:32:15 | 04:05:06 04:23:45 | NNO | ElysiumMons | successfully performed | 1140 | jump in calibration causes peaks in NN13 D1 D2 NN12 D1 D2 NN11 D1 D2 residuals; uplink-frequency corrected for |
| 23 | 3905/ 3906 | 021 | 21/1/07 | GRV | 05:36:40 05:43:49 | 08:03:11 08:10:55 | NNO | global | successfully performed | 1141 | no data available |
| 24 | 3926 | 026 | 26/1/07 | GRV | 21:30:40 | 22:59:16 | GST | global | failed | 1142 | meteo-files missing for NN12; uplink-frequency corrected for NN13_NN12 D1, D2; two folders used (_1, _2); LEVEL 02 RNG |
| 25 | 3926/ 3927 | 027 | 27/1/07 | GRV | 02:42:19 03:00:02 | 05:42:23 06:00:01 | NNO | global | successfully performed | 1143 | |

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|----|---------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 26 | 3927 | | 027 | 27/1/07 | GRV | 07:13:57 07:20:49 | 07:53:57 07:56:19 | NNO | Hellas Rim | successfully performed | 1144 | Meteo-files missing for NN12, NN13; uplink-frequency corrected for NN13_NN12 D1, D2; LEVEL 02 RNG files missing; residuals |
| 27 | 3929/ 3930 | | 027 | 27/1/07 | GRV | 23:45:20 23:52:12 | 01:51:31 01:52:11 | NNO | global | successfully performed | 1145 | Meteo-files missing for NN12; uplink-frequency corrected for NN13_NN12 D1, D2; LEVEL 02 RNG files missing; Peak in x- |
| 28 | 3933/ 3934 | | 029 | 29/1/07 | GRV | 01:44:08 01:50:42 | 04:44:02 04:50:41 | NNO | global | successfully performed | 1146 | Meteo-files missing for NN12, uplink-frequency corrected for NN13_NN12 D1, D2; LEVEL 02 RNG files missing; Bulge of about |
| | 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 |
| 29 | 3934 | | 029 | 29/1/07 | GRV | 06:15:38 06:22:12 | 06:55:38 07:13:42 | NNO | Hellas Rim | successfully performed | 1147 | Meteo-files missing for NN12; uplink-frequency corrected for NN13_NN12 D1, D2; LEVEL 02 RNG files missing; The amount of |
| 30 | 3950/ 3951 | | 033 | 2/2/07 | GRV | 21:01:07 | 22:56:36 | GST | global | failed | 1148 | no data available |
| 31 | 3951/ 3952 | | 034 | 3/2/07 | GRV | 02:39:42 02:46:16 | 05:39:35 05:46:15 | NNO | global | successfully performed | 1149 | LEVEL 02 RNG files missing; |
| 32 | 3954/ 3955 | | 034 | 3/2/07 | GRV | 23:41:43 | 01:49:02 | NNO | global | successfully performed | 1150 | LEVEL 02 RNG files missing |
| 33 | 3955/ 3956 | | 035 | 4/2/07 | GRV | 05:32:08 | 07:52:38 | NNO | global | failed | 1151 | No files available probably cancelled by MPS |
| 34 | 3958/ 3959 | | 036 | 5/2/07 | GRV | 01:41:16 01:47:50 | 04:41:23 04:47:49 | NNO | global | successfully performed | 1152 | out of lock 04:29:26 - 04:30:15; cycle slip at 04:30:01.5; LEVEL 02 RNG files missing |

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| 35 | 3979 | | 041 | 10/2/07 | GRV | 20:41:22 | 21:14:22 | GST | IsidesPlanetia | partially performed | 1153 | no S-band file; no X-band file with sample rate 1/sec |
|------------------------|---------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 36 | 3979/ 3980 | | 041 | 10/2/07 | GRV | 23:38:28 23:44:44 | 01:45:54 02:03:40 | NNO | global | successfully performed | 1154 | LEVEL 02 RNG files are missing; NN11 D1/D2 AGC is missing; Peak in data at 01:04:17.500 |
| 37 | 3983/ 3984 | | 043 | 12/2/07 | GRV | 01:38:09 | 04:38:06 | NNO | global | partially performed | 1155 | NN11 AGC-files missing; uplink-frequency corrected for NN13_NN12 D1, D2; LEVEL 1a, 1b, 02 RNG files missing; Peak in |
| end of MTP 35 | | | | | | | | | | | | |
| start of MTP 36 | | | | | | | | | | | | |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 38 | 3986/ 3987 | | 043 | 12/2/07 | GRV | 21:47:21 | 00:15:55 | GST | global | failed | 1156 | no data available |
| 39 | 3990/ 3991 | | 045 | 14/2/07 | GRV | 00:39:39 00:45:38 | 03:39:43 03:37:46 | NNO | global | successfully performed | 1157 | LEVEL 02 RNG files missing; Peak in diff.doppler data and x-band residuals at 02:08:16.500 |
| 40 | 3992/ 3993 | | 045 | 14/2/07 | GRV | 14:28:20 | 17:05:26 | NNO | global | failed | 1158 | No files available probably cancelled by MPS |
| 41 | 3993 | | 045 | 14/2/07 | GRV | 18:37:26 | 19:17:26 | GST | ElysiumMons | partially performed | 1159 | no S- and X-band files with samplerate 1 per sec |
| 42 | 3995/ 3996 | | 046 | 15/2/07 | GRV | 10:15:03 | 13:06:29 | MAD | global | failed | 1160 | no data available |

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|----|---------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|-----------------------|-----------|---|
| 43 | 4002/ 4003 | | 048 | 17/2/07 | GRV | 09:21:04 | 12:16:11 | DSS-65 | global | performed | 1161 | GS changed to DSS-65 according to file content X-Band: 7048048A.ODF S-Band: 7048048B.ODF; Some X-Band: 7050050A.ODF S-Band: 7050050B.ODF; LEVEL 1b data start 62 min. too late; LEVEL 02 X-band data start 62 |
| 44 | 4010/ 4011 | | 050 | 19/2/07 | GRV | 15:01:21 | 18:00:50 | GST | global | performed | 1162 | |
| 45 | 4014/ 4015 | | 051 | 20/2/07 | GRV | 17:53:34 | 20:47:12 | GST | global | partially performed | 1163 | no S- and X-band files with samplerate 1 per sec |
| 46 | 4017/ 4018 | | 052 | 21/2/07 | GRV | 14:29:18 | 17:02:43 | GST | global | failed | 1164 | no data 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 |
| 47 | 4035/ 4036 | | 057 | 26/2/07 | GRV | 14:58:36 | 17:52:12 | GST | global | partially performed | 1165 | no S- and X-band files with samplerate 1 per sec |
| 48 | 4042/ 4043 | | 059 | 28/2/07 | GRV | 14:18:50 | 17:00:29 | GST | global | failed | 1166 | no data available |
| 49 | 4055/ 4056 | | 063 | 4/3/07 | GRV | 05:20:58 | 07:35:30 | NNO | global | failed | 1167 | No files available probably cancelled by MPS |
| 50 | 4063/ 4064 | | 065 | 6/3/07 | GRV | 11:05:55 | 13:07:30 | MAD | global | failed | 1168 | no data available |
| 51 | 4067/ 4068 | | 066 | 7/3/07 | GRV | 14:18:55 | 16:58:29 | GST | global | performed | 1169 | X-Band: 7066066B.ODF S-Band: 7066066C.ODF; Some peaks in X-band residuals; Peak in S-band residuals at |

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| 52 | 4078/ 4079 | | 069 | 10/3/07 | GRV | 17:03:25 | 18:53:00 | GST | global | failed | 1170 | no data available |
|------------------------|-----------------|---------------------------|----------------|---------|------------------|------------------------------------|-----------------------------------|-------------------|---------------------|---------------------------|-----------|--|
| 53 | 4082 | | 070 | 11/3/07 | GRV | 16:33:58 | 17:13:58 | GST | HuygensCrater | performed | 1171 | X-Band: 7070070A.ODF S-Band: 7070070B.ODF; LEVEL 02 S-band data start 26 min. too late; Peak in residuals at |
| 54 | 4082/ 4083 | | 070 | 11/3/07 | GRV | 18:45:32 | 20:57:06 | GST | global | failed | 1172 | no data available |
| end of MTP 36 | | | | | | | | | | | | |
| start of MTP 37 | | | | | | | | | | | | |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 55 | 4110/ 4111 | | 078 | 19/3/07 | GRV | 14:53:47 | 17:53:47 | DSS-15 | global | performed | 1173 | GS changed to DSS-15 according to file content X- Band: 7078078A.ODF S-Band: 7078078B.ODF; Peak in X-Band: 7079079B.ODF |
| 56 | 4114/ 4115 | | 079 | 20/3/07 | GRV | 17:46:21 | 20:46:15 | GST | global | performed | 1174 | S-Band: 7079079C.ODF; Peak in calibration and diff. doppler at 18:58:02.500; Some Peaks in X- MET-files missing, files from DOY |
| 57 | 4126/ 4127 | | 083 | 24/3/07 | GRV | 02:24:06 | 05:24:07 | NNO | global | partially performed | 1175 | 83 night were used; wide range in NN13 AGC; NN13 D2 sample- rate 1 per 10s; Frequency |
| 58 | 4129/ 4130 | | 083 | 24/3/07 | GRV | 22:33:58 | 01:33:35 | NNO | global | successfully performed | 1176 | S-band very noisy; peaks in data; LEVEL 02 RNG files missing; |
| 59 | 4133/ 4134 | | 085 | 26/3/07 | GRV | 01:26:08 | 04:26:09 | NNO | global | failed | 1177 | No files available probably cancelled by MPS |

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|----|---------------------|----------------------------|--------------------|-------------|----------------------|--|---------------------------------------|-----------------------|----------------------------|------------------------------|------------------|---|
| 60 | 4151/ 4152 | | 090 | 31/3/07 | GRV | 02:22:46 | 05:22:50 | NNO | global | successfully performed | 1178 | wide range in S-band AGC; LEVEL 02 RNG files missing; S-band data start 25 min. later than planned; Peak in residuals and LEVEL 02 RNG files missing; |
| 61 | 4154/ 4155 | | 090 | 31/3/07 | GRV | 22:40:41 | 01:32:12 | NNO | global | successfully performed | 1179 | Peak in diff.doppler data and X-band residuals at 23:46:28.500; Sudden alterations in S-band |
| 62 | 4155 | | 091 | 1/4/07 | GRV | 03:03:47 | 03:43:47 | GST | Hellas Rim | failed | 1180 | no data available |
| 63 | 4157/ 4158 | | 091 | 1/4/07 | GRV | 18:42:00 | 20:53:13 | DSS-15 | global | performed | 1181 | Station changed from NNO to DSS-15 X-Band: 7091091A.ODF S-Band: 7091091B.ODF; Peak in |
| | 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 |
| 64 | 4158/ 4159 | | 092 | 2/4/07 | GRV | 01:24:50 | 04:16:20 | NNO | global | partially performed | 1182 | DCL and RCL files missing; wide range in S-band AGC; LEVEL 1a, 1b, 02 RNG files missing; |
| 65 | 4165/ 4166 | | 094 | 4/4/07 | GRV | 00:26:52 | 03:26:47 | NNO | global | successfully performed | 1183 | DCL-files and missing; LEVEL 02 RNG files missing |
| 66 | 4166 | | 094 | 4/4/07 | GRV | 04:58:21 | 05:38:21 | GST | Hellas Rim | partially performed | 1184 | no S- and X-band files with samplerate 1 per sec station changed from NNO to DSS-15 |
| 67 | 4174/ 4175 | | 096 | 6/4/07 | GRV | 13:53:28 | 15:54:42 | DSS-15 | global | performed | 1185 | X-Band: 7096096B.ODF S-Band: 7096096C.ODF; Peak in station changed from NNO to DSS-15 |
| 68 | 4178/ 4179 | | 097 | 7/4/07 | GRV | 15:55:59 | 18:47:06 | DSS-15 | global | performed | 1186 | X-Band: 7097097A.ODF S-Band: 7097097B.ODF; Some |

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| 69 | 4179 | | 097 | 7/4/07 | GRV | 20:19:06 | 20:59:06 | GST | Tharsis | partially performed | 1187 | X-Band: 7097097A.ODF S-Band: 7097097B.ODF; LEVEL 02 data are not usable |
|------------------------|---------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 70 | 4179/ 4180 | | 097 | 7/4/07 | GRV | 23:19:00 | 01:30:48 | NNO | global | successfully performed | 1188 | wide range in S-band AGC; Enlarged noise in diff.doppler data and in S-band residuals; LEVEL 02 RNG files missing |
| 71 | 4182/ 4183 | | 098 | 8/4/07 | GRV | 18:40:37 | 20:51:41 | DSS-15 | global | performed | 1189 | station changed from NNO to DSS-15 X-Band: 7098098A.ODF S-Band: 7098098B.ODF; Peak in |
| 72 | 4183/ 4184 | | 099 | 9/4/07 | GRV | 01:23:15 | 04:23:21 | NNO | global | partially performed | 1190 | calibration-files missing; LEVEL 1a, 1b, 02 RNG files missing |
| end of MTP 37 | | | | | | | | | | | | |
| start of MTP 38 | | | | | | | | | | | | |
| | 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 |
| 73 | 4185/ 4186 | | 099 | 9/4/07 | GRV | 14:58:00 | 18:06:39 | GST | global | performed | 1191 | X-Band: 7099099A.ODF S-Band: 7099099B.ODF; Peak in calibration and diff. Doppler at 16:10:49.500; Some peaks in x-station changed from NNO to |
| 74 | 4186 | | 099 | 9/4/07 | GRV | 19:28:10 | 20:17:13 | DSS-15 | VallesMarineris | performed | 1192 | DSN X-Band: 7099099A.ODF S-Band: 7099099B.ODF; Some |
| 75 | 4186/ 4187 | | 099 | 9/4/07 | GRV | 22:31:13 | 00:49:49 | NNO | global | successfully performed | 1193 | LEVEL 02 RNG files missing; uplink-frequency corrected for NN13 D1, D2; |
| 76 | 4189/ 4190 | | 100 | 10/4/07 | GRV | 17:43:31 | 21:00:06 | GST | global | performed | 1194 | X-Band: 7100100A.ODF S-Band: 7100100B.ODF; Some peaks in x-band residuals; Enlarged noise in diff. doppler |

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|----|---------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|---|
| 77 | 4193/ 4194 | | 101 | 11/4/07 | GRV | 20:35:08 | 23:51:43 | NNO | global | successfully performed | 1195 | wide range in S-band AGC; LEVEL 02 RNG files missing; Peak in X-band residuals at 21:39:39.500; Enlarged noise and wide range in S-band AGC; no calibration- or ranging-files and in CALIB folder are only MET files available; NN12 data start 64 min. |
| 78 | 4194/ 4195 | | 102 | 12/4/07 | GRV | 03:19:13 | 06:34:50 | NNO | global | partially performed | 1196 | |
| 79 | 4201/ 4202 | | 104 | 14/4/07 | GRV | 02:21:09 | 05:36:47 | NNO | global | cancelled by MPS | 1197 | No files available probably cancelled by MPS |
| 80 | 4209/ 4210 | | 106 | 16/4/07 | GRV | 08:06:24 | 11:21:55 | MAD | global | cancelled by MPS | 1198 | No files available probably cancelled by MPS |
| 81 | 4112 | | 107 | 17/4/07 | GRV | 02:02:41 | 03:00:41 | NNO | ArsiaMons | partially performed | 1199 | LEVEL 1a, 1b, 02 RNG files missing; NN11 D2 residuals are not usable |
| | 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 |
| 82 | 4215/ 4216 | | 108 | 18/4/07 | GRV | 00:34:14 | 03:40:49 | NNO | global | partially performed | 1200 | RCL, DCL and LEVEL 1a, 1b, 02 RNG files missing; Peak in X-band residuals at 01:58:36.500 ;large noise in S-band |
| 83 | 4219/ 4220 | | 109 | 19/4/07 | GRV | 04:33:51 | 06:33:27 | NNO | global | successfully performed | 1201 | LEVEL 02 RNG files missing; Peak in X-band residuals and diff.doppler data at 05:49:24.500 |
| 84 | 4226/ 4227 | | 111 | 21/4/07 | GRV | 02:23:49 | 05:35:24 | NNO | global | successfully performed | 1202 | LEVEL 02 RNG files missing; Peak in residuals and diff.doppler at 03:30:29.500; Two peaks in S-band AGC |
| 85 | 4231/ 4232 | | 112 | 22/4/07 | GRV | 12:50:35 | 15:10:40 | GST (MAD) | global | partially performed | 1203 | no X-band file, no S-band file with sample rate 1/sec |

white: planned task

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yellow: task to be completed

green: task completed

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light red: task cancelled by ESOC PTR

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| 86 | 4233/ 4234 | | 113 | 23/4/07 | GRV | 01:22:47 | 04:37:22 | NNO | global | partially performed | 1204 | RCL and LEVEL 02 RNG files missing; Peak in residuals and diff.doppler at 02:18:18.500; enlarged noise in S- and X-band X-Band: 7113113A.ODF |
| 87 | 4235/ 4236 | | 113 | 23/4/07 | GRV | 14:49:06 | 18:03:43 | GST | global | performed | 1205 | S-Band: 7113113B.ODF; Level 02 data start 28 min. too late; Peak in X-band residuals at |
| 88 | 4237/ 4238 | | 114 | 24/4/07 | GRV | 04:26:27 | 06:17:33 | NNO | global | successfully performed | 1206 | LEVEL 02 RNG files missing; uplink-frequency corrected for NN13 D1, D2; |
| 89 | 4242/ 4243 | | 115 | 25/4/07 | OCI | 15:01:12 | 15:40:13 | DSS-14 | 21.04 15.34 8.85 | performed | 1207 | Level 02 data start at 15:32 and stop at 15:36 instead of 15:01 and 15:40; Peak in calibration; GS changed to DSS-14 |
| 90 | 4249 | | 117 | 27/4/07 | OCI | 13:50:14 | 14:29:14 | GST | 69.42 34.27 9.36 | performed | 1208 | Level 02 data start at 14:12 and stop at 14:25 instead of 13:50 and 14:29; Level 1b RNG files missing; X-Band: 7117117B.ODF |
| | 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 |
| 91 | 4253 | | 118 | 28/4/07 | OCI | 16:40:32 | 17:19:32 | GST | 42.36 39.79 9.93 | performed | 1209 | Level 02 data start at 17:01 and stop at 17:15 instead of 16:40 and 17:19; Level 1b RNG files missing; X-Band: 7118118A.ODF |
| 92 | 4257 | | 119 | 29/4/07 | OCI | 19:31:49 | 19:53:49 | GST | 14.95 44.30 10.24 | successfully performed | 1210 | Level 1b RNG files missing; station changed from NNO to DSN X-Band: 7119119A.ODF |
| 93 | 4258 | | 120 | 30/4/07 | OCI | 02:14:45 | 02:53:45 | NNO | 278.10 45.33 10.31 | successfully performed | 1211 | out of lock after 02:49; two folders _1_2 were used; enlarged noise in IFMS2 D1 D2 IFMS3 D1 D2 residuals; IFMS2 |
| 94 | 4259 | | 120 | 30/4/07 | OCI | 08:57:54 | 09:36:54 | DSS-65 | 181.09 46.22 10.38 | partially performed | 1212 | Level 1b RNG files missing; no S-band file with samplerate 1 per sec; S-Band transmitter not switched on due to planning |

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| 95 | 4262 | | 121 | 1/5/07 | OCI | 05:07:14 | 05:46:14 | NNO | 250.45 48.96 10.62 | successfully performed | 1213 | out of lock after 05:41:55; noise in residuals; two folders _1_2 were used; enlarged noise in IFMS2 D1 D2 IFMS3 D1 D2 residuals; RCL |
| 96 | 4267 | | 122 | 2/5/07 | OCI | 14:43:09 | 15:22:09 | GST | 126.08 52.83 11.01 | performed | 1214 | Level 1b RNG files missing; X-Band: 7122122B.ODF S-Band: 7122122C.ODF GS changed to DSS-65 |
| 97 | 4274 | | 124 | 4/5/07 | GRV | 10:38:23 | 11:35:23 | DSS-65 | ClaritasFossaeS E | performed | 1215 | according to file content X-Band: 7124124B.ODF S-Band: 7124124C.ODF; Peak in X-Level 1b RNG files missing; RIMP= |
| 98 | 4278 | | 125 | 5/5/07 | OCI | 16:40:34 | 17:19:34 | GST | 141.64 59.35 12.01 | performed | 1216 | file corrected X-Band: 7125125A.ODF S-Band: 7125125B.ODF |
| 99 | 4281 | | 126 | 6/5/07 | OCI | 12:59:34 | 13:30:15 | GST (MAD) | 211.64 60.67 12.30 | performed | 1217 | Level 1b RNG files missing; RIMP= file corrected X-Band: 7126126A.ODF S-Band: 7126126B.ODF X- |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 100 | 4282 | | 126 | 6/5/07 | OCI | 19:34:52 | 20:13:52 | GST | 115.16 61.11 12.42 | successfully performed | 1218 | Level 1b RNG files missing; station change from NNO to DSN X-Band: 7126126A.ODF S-Band: 7126126B.ODF X- |
| 101 | 4283 | | 127 | 7/5/07 | OCI | 02:18:24 | 02:57:24 | NNO | 18.54 61.48 12.52 | successfully performed | 1219 | out of lock after 02:52:58; wide range in S-band AGC; enlarged noise in IFMS2 / IFMS3 D1 and D2 residuals; IFMS2 / IFMS3 start |
| end of MTP 38 | | | | | | | | | | | | |
| start of MTP 39 | | | | | | | | | | | | |
| | 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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| 102 | 4290 | | 129 | 9/5/07 | OCI | 01:23:45 | 02:02:45 | NNO | 63.32 63.65 13.32 | cancelled by MPS | 1220 | obviously cancelled but TT&C data are available (NN11 sample rate: 1/s) |
| 103 | 4298 | | 131 | 11/5/07 | GRV | 03:54:30 | 04:51:30 | NNO | Hellas | successfully performed | 1221 | LEVEL 02 RNG files missing; folders _1_2_3 were used; NN11 D2 not usable. |
| 104 | 4299 | | 131 | 11/5/07 | OCI | 13:57:14 | 14:36:14 | GST | | partially performed | 1222 | no S-band file, no X-band files with samplerate 1 per sec. |
| 105 | 4310 | | 134 | 14/5/07 | OCI | 15:59:45 | 16:38:45 | NNO | | failed | 1223 | No files available probably cancelled by MPS |
| 106 | 4311/ 4312 | | 134 | 14/5/07 | OCI | 22:43:37 | 23:22:38 | NNO | 199.90 63.67 15.92 | successfully performed | 1224 | LEVEL 1a data start 10 min. too late; LEVEL02 S-band start 11 min. too late; LEVEL 1a NN13 data stop 16 min. too early; out of Level 10 files missing; station |
| 107 | 4314/ 4315 | | 135 | 15/5/07 | OCI | 18:55:30 | 19:34:31 | GST | 270.15 62.92 16.26 | successfully performed | 1225 | change from NNO to DSN X-Band: 7135135B.ODF S-Band: 7135135C.ODF |
| 108 | 4317/ 4318 | | 136 | 16/5/07 | OCI | 15:07:35 | 15:46:35 | GST | | partially performed | 1226 | no S-band file, no X-band files with samplerate 1 per sec. X-band data start 10 min. too late |
| 109 | 4322/ 4323 | | 138 | 18/5/07 | OCI | 00:47:27 | 01:26:28 | NNO | 216.61 60.04 17.09 | successfully performed | 1227 | S-band 11 min. too late; Sample rate in NN12 and NN13 is 1/s instead of 10/s; Enlarged noise in Out of lock after 00:50:05, wide |
| 110 | 4330 | | 139 | 19/5/07 | OCI | 23:56:01 | 00:35:01 | NNO | 257.88 56.73 17.70 | successfully performed | 1228 | range in S-band AGC; Enlarged noise in NN12 D1 and NN13 residuals; Enlarged noise in |
| | 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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| 111 | 4331 | | 140 | 20/5/07 | OCI | 07:00:00 | 07:14:17 | DSS-65 | | partially performed | 1367 | CL: no X-band file with sample rate 1 per sec, therefore closed loop level 02 data not available. RNG files missing; Data start 10 min. too late (IFMS3 D2 11 min too late). Enlarged noise in IFMS2 D1 D2 and IFMS3 D1 D2 |
| 112 | 4334 | | 141 | 21/5/07 | OCI | 02:52:36 | 03:31:36 | NNO | 229.46 54.48 18.02 | successfully performed | 1229 | |
| 113 | 4335 | | 141 | 21/5/07 | OCI | 09:36:46 | 10:15:46 | MAD | | failed | 1230 | no data available |
| 114 | 4339 | | 142 | 22/5/07 | OCI | 12:33:36 | 12:55:36 | DSS-15 | | performed | 1231 | Level 1b RNG files missing; station change from NNO to DSS-15 X-Band: 7142125A.RSR |
| 115 | 4350 | | 145 | 25/5/07 | OCI | 14:40:45 | 15:19:45 | GST | | partially performed | 1232 | Level 1b RNG files missing; no S-band file, no X-band file with samplerate 1 per sec. |
| 116 | 4351 | | 145 | 25/5/07 | OCI | 21:25:10 | 22:04:10 | NNO | 14.14. 42.68 19.10 | successfully performed | 1233 | LEVEL 1a data start 10 min. too late; LEVEL 02 NN12 and NN13 data start 10 min. too late; Out of lock after 21:58:59; Uplink Data start 10 min. too late (NN13 D2 11 min. too late); Uplink frequency corrected in NN13 D1 and D2; Sample rate in NN12 |
| 117 | 4355 | | 147 | 27/5/07 | OCI | 00:22:36 | 01:01:36 | NNO | 343.89 39.37 19.30 | successfully performed | 1234 | Level 1b RNG files missing; station changed from NNO to DSN X-Band: 7147147A.ODF |
| 118 | 4358 | | 147 | 27/5/07 | OCI | 20:36:04 | 21:15:04 | GST | 51.13 36.55 19.46 | successfully performed | 1235 | Level 1b RNG files missing; station change from NNO to DSN X-Band: 7148148A.ODF S-Band: 7148148B.ODF |
| 119 | 4360 | | 148 | 28/5/07 | OCI | 10:05:11 | 10:44:11 | DSS-65 | | successfully performed | 1236 | |
| | 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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| 120 | 4362 | | 148 | 28/5/07 | OCI | 23:34:09 | 00:14:09 | NNO | 20.50 32.72 19.66 | successfully performed | 1237 | RNG files missing; Doppler calibration files missing; IFMS2 D1 data start at 23:43 instead of at 23:34; IFMS2 D2 + IFMS3 |
| 121 | 4364 | | 149 | 29/5/07 | OCI | 13:03:18 | 13:42:18 | NNO | | cancelled by MPS | 1238 | |
| 122 | 4366 | | 150 | 30/5/07 | OCI | 02:32:23 | 03:11:23 | NNO | 349.78 28.52 19.84 | successfully performed | 1239 | LEVEL 1a data start 10 min. too late; LEVEL 02 NN12 / NN13 data start 10 min. too late; Uplink frequency corrected in NN13 D1 |
| 123 | 4368 | | 150 | 30/5/07 | OCI | 16:01:52 | 16:23:52 | GST | | successfully performed | 1240 | Level 1b RNG files missing; station change from NNO to DSN X-Band: 7150150A.ODF S-Band: 7150150B.ODF |
| 124 | 4375 | | 152 | 1/6/07 | OCI | 15:15:49 | 15:44:49 | GST | | partially performed | 1241 | Level 1b files missing; no S-band file, no X-band file with samplerate 1 per sec. |
| 125 | 4378 | | 153 | 2/6/07 | OCI | 11:31:24 | 12:10:24 | MAD | | partially performed | 1242 | Level 1b files missing; no S-band file, no X-band file with samplerate 1 per sec. |
| 126 | 4380 | | 154 | 3/6/07 | OCI | 01:02:28 | 01:41:28 | NNO | 62.34 6.47 20.61 | partially performed | 1243 | Data start at 01:12 instead of at 01:02; Meteo-files missing, files from DOY 158 used instead; RNG files missing; wide range in |

end of MTP 39

start of MTP 40

| orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
|--------------|---------------------|-------------|--------|---------------|---------------------------------|--------------------------------|----------------|---------------------|-----------------------|-----------|---|
| 127 | 4397/ 4398 | 158 | 7/6/07 | GRV | 23:35:25 | 02:35:25 | NNO | global | performed | 1244 | RCL, LEVEL 1a, 1b, 02 RNG files missing; NN13 D2 start 11 min. too late and the other LEVEL 02 files start 12 min. too late; wide |

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| 128 | 4402/ 4403 | | 160 | 9/6/07 | GRV | 09:44:49 | 11:47:58 | DSS-65 | global | successfully performed | 1245 | station change from NNO to DSN X-Band: 7160160A.ODF S-Band: 7160160B.ODF; S-band Level 02 data start 98 min. too |
| 129 | 4409/ 4410 | | 162 | 11/6/07 | GRV | 09:37:06 | 10:45:14 | DSS-65 | global | successfully performed | 1246 | station change from NNO to DSN X-Band: 7162162A.ODF S-Band: 7162162B.ODF; Level 1a data missing; Some peaks in |
| 130 | 4414/ 4415 | | 163 | 12/6/07 | GRV | 17:49:43 | 20:01:17 | GST | global | successfully performed | 1247 | station change from NNO to DSN X-Band: 7163163B.ODF S-Band: 7163163C.ODF; Some peaks in residuals; Peak in diff. |
| 131 | 4415/ 4416 | | 164 | 13/6/07 | GRV | 00:32:53 | 02:24:26 | NNO | global | performed | 1248 | DCL, RCL and LEVEL 1a, 1b, 02 RNG files missing; NN11 data start 12 min. too late and NN12 + NN13 data start 11 min. too late; |
| 132 | 4422/ 4423 | | 166 | 15/6/07 | GRV | 00:28:36 | 01:51:47 | NNO | global | successfully performed | 1249 | Meteo-files missing; LEVEL 1a, 1b, 02 files missing; wide range in S-band AGC; |
| 133 | 4425/ 4426 | | 166 | 15/6/07 | GRV | 20:28:13 | 22:11:24 | NNO | global | successfully performed | 1250 | LEVEL 02 RNG files missing; Wide range in S-band AGC |
| 134 | 4439/ 4440 | | 170 | 19/6/07 | GRV | 17:49:31 | 19:31:05 | GST | global | successfully performed | 1251 | station change from NNO to DSN X-Band: 7170170B.ODF S-Band: 7170170C.ODF; Some peaks in X-band residuals |
| 135 | 4442/ 4443 | | 171 | 20/6/07 | GRV | 14:32:28 | 16:25:36 | GST | global | successfully performed | 1252 | X-band data start 19 min. too late; Some peaks in X-band residuals |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 136 | 4447/ 4448 | | 173 | 22/6/07 | GRV | 00:23:26 | 02:01:37 | NNO | global | partially performed | 1253 | ranging and calibration-files missing; METEO-files missing, files from DOY 176 used; wide range in S-band AGC |

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| 137 | 4449/ 4450 | | 173 | 22/6/07 | GRV | 13:34:47 | 15:32:58 | GST | global | successfully performed | 1254 | station change from NNO to DSN X-Band: 7173173B.ODF S-Band: 7173173C.ODF; Some peaks in X-band residuals |
|-----------------------|---------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 138 | 4453/ 4454 | | 174 | 23/6/07 | GRV | 16:27:34 | 18:15:14 | NNO | global | cancelled by MPS | 1255 | no NNO visibility (email K. Scott) |
| 139 | 4454/ 4455 | | 174 | 23/6/07 | GRV | 22:37:21 | 01:08:56 | NNO | global | failed | 1256 | no files available |
| 140 | 4461/ 4462 | | 176 | 25/6/07 | GRV | 21:39:41 | 00:11:15 | NNO | global | successfully performed | 1257 | LEVEL 02 RING files missing, wide range in S-band AGC; Peak in residuals and diff.doppler data at 23:14:34.500 |
| 141 | 4474/ 4475 | | 180 | 29/6/07 | GRV | 13:44:29 | 15:27:42 | GST | global | successfully performed | 1258 | station change from NNO to DSN X-Band: 7180180A.ODF S-Band: 7180180B.ODF; Peak in X-band residuals at 13:29:29.500 |
| 142 | 4478/ 4479 | | 181 | 30/6/07 | GRV | 15:53:52 | 17:40:29 | GST | global | successfully performed | 1259 | station change from NNO to DSN X-Band: 7181181A.ODF S-Band: 7181181B.ODF; Peak in X-band residuals at 17:40:30.500; |
| 143 | 4479/ 4480 | | 181 | 30/6/07 | GRV | 23:20:29 | 01:13:38 | NNO | global | successfully performed | 1260 | LEVEL 02 RING files missing; X-band data stop 65 min. too early and S-band data stop 64 min. too early; wide range in S-band-AGC |
| end of MTP40 | | | | | | | | | | | | |
| start of MTP41 | | | | | | | | | | | | |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 144 | 4486/ 4487 | | 183 | 2/7/07 | GRV | 21:39:20 | 00:05:16 | NNO | global | partially performed | 1261 | NN13 data missing due to hardware failure of IFMS3 (email K. Scott 19.7.07). S-Band measurements were carried out |

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| 145 | 4489/ 4490 | | 184 | 3/7/07 | GRV | 17:49:15 | 20:33:00 | NNO | global | cancelled by MPS | 1262 | no NNOvisibility (email K. Scott) |
| 146 | 4499/ 4500 | | 187 | 6/7/07 | GRV | 13:29:07 | 15:26:46 | NNO | global | cancelled by MPS | 1263 | |
| 147 | 4502/ 4503 | | 188 | 7/7/07 | GRV | 10:31:16 | 11:59:39 | NNO | global | cancelled by MPS | 1264 | |
| 148 | 4507/ 4508 | | 189 | 8/7/07 | GRV | 19:14:32 | 20:29:52 | NNO | global | partially performed | 1265 | NN13 data missing due to hardware failure of IFMS3 (email K. Scott 19.7.07). S-Band measurements were carried out |
| 149 | 4510/ 4511 | | 190 | 9/7/07 | GRV | 14:55:46 | 17:14:52 | NNO | global | cancelled by MPS | 1266 | |
| 150 | 4511/ 4512 | | 190 | 9/7/07 | GRV | 21:38:54 | 00:18:49 | NNO | global | partially performed | 1267 | IFMS3 data missing due to hardware failure of IFMS3 (email K. Scott 19.7.07). S-Band measurements were carried out |
| 151 | 4517/ 4518 | | 192 | 11/7/07 | GRV | 14:15:10 | 16:53:43 | NNO | global | cancelled by MPS | 1268 | |
| 152 | 4522/ 4523 | | 194 | 13/7/07 | GRV | 00:02:22 | 01:22:54 | NNO | global | cancelled by MPS | 1269 | |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 153 | 4531/ 4532 | | 196 | 15/7/07 | GRV | 12:18:47 | 14:50:00 | DSS-15 | global | successfully performed | 1270 | G/S changed from NNO to DSS-15 (email K. Scott 10.08.07); Peak in calibration; Some Peaks in residuals; Peak in diff. doppler |

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| 154 | 4545/ 4546 | | 200 | 19/7/07 | GRV | 11:01:11 | 13:00:27 | DSS-15 | global | successfully performed | 1271 | G/S changed from NNO to DSS-15 (email K. Scott 10.08.07); Peak in X-band residuals at 10:46:12.500 and 13:00:29.500 |
|-----------------------|---------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 155 | 4557/ 4558 | | 203 | 22/7/07 | GRV | 19:50:57 | 21:45:15 | NNO | global | failed | 1272 | NN13 data missing due to hardware failure of IFMS3 (email K. Scott 10.08.07). S-Band measurements were carried out |
| 156 | 4567/ 4568 | | 206 | 25/7/07 | GRV | 13:57:07 | 16:57:03 | NNO | global | cancelled by MPS | 1273 | cancelled due to station loss (email T. Zegers 25.06.07) |
| 157 | 4574/ 4575 | | 208 | 27/7/07 | GRV | 13:12:52 | 15:59:18 | NNO | global | failed | 1274 | no files available |
| 158 | 4575/ 4576 | | 208 | 27/7/07 | GRV | 19:55:49 | 22:38:50 | NNO | global | partially performed | 1275 | NN13 data missing due to hardware failure of IFMS3 (email K. Scott 10.08.07). S-Band measurements were carried out |
| 159 | 4578/ 4579 | | 209 | 28/7/07 | GRV | 15:52:08 | 17:44:53 | NNO | global | cancelled by MPS | 1276 | cancelled due to station loss (email T. Zegers 25.06.07) |
| 160 | 4582/ 4583 | | 210 | 29/7/07 | GRV | 19:47:29 | 21:44:47 | NNO | global | partially performed | 1277 | NN13 data missing due to hardware failure of IFMS3 (email K. Scott 10.08.07). S-Band measurements were carried out |
| end of MTP41 | | | | | | | | | | | | |
| start of MTP42 | | | | | | | | | | | | |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 161 | 4592/ 4593 | | 213 | 1/8/07 | GRV | 13:57:05 | 16:56:14 | GST | global | successfully performed | 1278 | Peak in calibration data; Some peaks in X-band residuals; Peak in diff. doppler data at 16:04:50.500; Peak in S-band |

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|-----|---------------------|----------------------------|--------------------|-------------|----------------------|--|---------------------------------------|-----------------------|----------------------------|------------------------------|------------------|---|
| 162 | 4607/ 4608 | | 217 | 5/8/07 | GRV | 18:44:56 | 20:23:53 | GST | global | successfully performed | 1279 | Peak in X-band residuals at 18:29:58.500 and 20:23:57.500 |
| 163 | 4614/ 4615 | | 219 | 7/8/07 | GRV | 17:47:15 | 20:19:23 | GST | global | successfully performed | 1280 | Peak in calibration data; Some peaks in X-band residuals; Peak in diff. doppler data at 20:02:34.500; Peak in S-band |
| 164 | 4624/ 4625 | | 222 | 10/8/07 | GRV | 12:59:10 | 15:19:21 | GST | global | performed(-) | 1281 | S-band file indicates S-band uplink and X-band file indicates X-band uplink |
| 165 | 4642/ 4643 | | 227 | 15/8/07 | GRV | 15:00:41 | 16:55:50 | GST | global | successfully performed | 1282 | Level 02 S-band start 72 min. too late; Peak in X-band residuals at 14:45:43.500 and at 16:55:53.500 |
| 166 | 4649/ 4650 | | 229 | 17/8/07 | GRV | 13:58:01 | 15:58:10 | DSS-14 | global | performed | 1283 | G/S changed to DSS-14 according to file content; Level 02 X-band start 35 min. too late; Enlarged noise in parts of XIS- |
| 167 | 4653/ 4654 | | 230 | 18/8/07 | GRV | 15:51:51 | 17:44:00 | GST | global | successfully performed | 1284 | Peak in X-band residuals at 15:36:53.500 and at 17:44:03.500 |
| 168 | 4663/ 4664 | | 233 | 21/8/07 | GRV | 11:03:47 | 14:03:02 | GST | global | partially performed | 1285 | no S-band file, no X-band file with samplerate 1 per sec |
| 169 | 4667/ 4668 | | 234 | 22/8/07 | GRV | 13:56:35 | 16:34:47 | GST | global | cancelled by MPS | 1286 | |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 170 | 4674/ 4675 | | 236 | 24/8/07 | GRV | 12:58:59 | 14:51:13 | GST | global | performed | 1287 | Level 02 X-band start 19 min. too late and S-band 21 min. too late; Level 02 X/S-band stop 12 min. too early; Some peaks at the end |

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| 171 | 4677/ 4678 | | 237 | 25/8/07 | GRV | 09:08:35 | 12:07:46 | GST | global | successfully performed | 1288 | measurement is shortened due to G/S change (email T. Zegers 23.07.07); Level 02 S-band start 52 min. too late; Some peaks in X- |
|----------------|---------------|---------------------|-------------|---------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| end of MTP42 | | | | | | | | | | | | |
| start of MTP43 | | | | | | | | | | | | |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 172 | 4686/ 4687 | | 239 | 27/8/07 | GRV | 22:27:37 | 00:36:34 | NNO | global | partially performed | 1289 | no IFMS3 files; peak in IFMS1 D1 IFMS2 D1 D2 residuals; uplink-frequency corrected for IFMS2 D1 D2; Level 02 RNG files |
| 173 | 4687 | | 240 | 28/8/07 | GRV | 02:08:34 | 02:33:34 | NNO | SouthPolarCap | partially performed | 1290 | no IFMS3 files; no mteco files, files from DOY 240_1291 used instead; wrong uplink-frequency in IFMS2 D1 D2, header |
| 174 | 4690 | | 240 | 28/8/07 | GRV | 22:18:10 | 22:58:10 | NNO | SouthPolarCap | partially performed | 1291 | no NN13 files; NN11 D2 not usable; LEVEL 02 RNG files missing. |
| 175 | 4695/ 4696 | | 242 | 30/8/07 | GRV | 10:06:11 | 13:05:22 | GST | global | successfully performed | 1292 | Level 02 S-band start 108 min. too late; Peak in X-band residuals at 10:52:10.500 and at 13:05:25.500 |
| 176 | 4697 | | 242 | 30/8/07 | GRV | 21:20:37 | 22:00:37 | NNO | SouthPolarCap | performed | 1293 | no NN13 files; NN11 is X-band, NN12 is S-band; NN11 D2 not usable; LEVEL 02 RNG files missing. |
| 177 | 4697/ 4698 | | 242 | 30/8/07 | GRV | 23:32:37 | 02:28:58 | NNO | global | partially performed | 1294 | station change to NNO, no IFMS3; IFMS2 is S-band; IFMS1 and IFMS2 non-coherent; IFMS2 not usable; No level 02 RNG files. |
| 178 | 4699/ 4700 | | 243 | 31/8/07 | GRV | 12:58:58 | 15:58:09 | GST | global | performed | 1295 | Level 02 X-band start 24 min. too late and stop 74 min. too early; Level 02 S-band stop 34 min. too early; Peak in X-band residuals at |

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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 |
|--------------|---------------------|-------------|--------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 179 | 4702/ 4703 | 244 | 1/9/07 | GRV | 09:08:35 | 12:07:44 | GST | global | failed | 1296 | no files available |
| 180 | 4704 | 244 | 1/9/07 | GRV | 20:30:57 | 21:02:57 | NNO | SouthPolarCap | partially performed | 1297 | no IF-MSS files, if-MST-D2 not usable; data usable after 20:32:41; Level 02 RNG files and doppler calibration files missing. |
| 181 | 4706/ 4707 | 245 | 2/9/07 | GRV | 12:01:23 | 15:00:33 | GST | global | successfully performed | 1298 | Peak in X-band residuals at 15:00:37.500 |
| 182 | 4710/ 4711 | 246 | 3/9/07 | GRV | 14:54:09 | 17:29:56 | GST | global | performed | 1299 | Peak in X-band residuals at 14:39:10.500 and at 17:29:59.500 |
| 183 | 4713/ 4714 | 247 | 4/9/07 | GRV | 11:03:46 | 14:02:55 | GST | global | failed | 1300 | no files available |
| 184 | 4715/ 4716 | 248 | 5/9/07 | GRV | 00:31:50 | 02:16:17 | NNO | global | partially performed | 1301 | station change to NNO; no NN13 files; no Meteo-files; Doppler calibration files missing; LEVEL 02 RNG files missing. |
| 185 | 4717/ 4718 | 248 | 5/9/07 | GRV | 13:56:33 | 16:55:43 | GST | global | successfully performed | 1302 | Level 02 S-band data start 213 min. later than X-band data; Some peaks in X-band residuals |
| 186 | 4722/ 4723 | 250 | 7/9/07 | GRV | 00:26:36 | 02:16:59 | NNO | global | partially performed | 1303 | station change to NNO, no NN13 files; no Meteo-files; Doppler calibration files missing; Peaks in NN11 residuals; LEVEL 02 RNG |
| 187 | 4727/ 4728 | 251 | 8/9/07 | GRV | 09:08:25 | 12:07:42 | GST | global | successfully performed | 1304 | Level 02 X-band data start 130 min. later than S-band data; Some peaks in X-band residuals; |

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| 188 | 4729/ 4730 | | 251 | 8/9/07 | GRV | 22:54:59 | 01:34:07 | GST | global | partially performed | 1305 | no RMP-file available |
| 189 | 4731/ 4732 | | 252 | 9/9/07 | GRV | 12:01:16 | 15:00:28 | GST | global | partially performed | 1306 | no S- and X-band files with samplerate 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 |
| 190 | 4734/ 4735 | | 253 | 10/9/07 | GRV | 08:30:20 | 11:10:04 | GST | global | failed | 1307 | no files available |
| 191 | 4738/ 4739 | | 254 | 11/9/07 | GRV | 11:03:34 | 14:02:50 | GST | global | successfully performed | 1308 | Level 02 S-band data start at 12:36 instead of at 11:03; Some peaks in X-band residuals |
| 192 | 4739/ 4740 | | 254 | 11/9/07 | GRV | 18:56:07 | 20:46:01 | GST | global | failed | 1309 | no files available |
| 193 | 4741/ 4742 | | 255 | 12/9/07 | GRV | 08:26:02 | 10:12:24 | GST | global | partially performed | 1310 | no S-band file, no X-band file with samplerate 1 per sec |
| 194 | 4742/ 4743 | | 255 | 12/9/07 | GRV | 13:56:24 | 16:55:34 | GST | global | failed | 1311 | no files available |
| 195 | 4745/ 4746 | | 256 | 13/9/07 | GRV | 10:10:20 | 13:05:11 | GST | global | successfully performed | 1312 | Peaks in X-band residuals at 10:11:57.500 and at 13:05:13.500 |
| 196 | 4747/ 4748 | | 256 | 13/9/07 | GRV | 23:32:18 | 02:03:56 | GST | global | partially performed | 1313 | no RMP file available |

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| 197 | 4749/ 4750 | | 257 | 14/9/07 | GRV | 12:58:40 | 15:57:56 | GST | global | partially performed | 1314 | no S-band file, no X-band file with samplerate 1 per sec |
| 198 | 4754/ 4755 | | 258 | 15/9/07 | GRV | 22:34:39 | 01:33:50 | GST | global | partially performed | 1315 | no S-band file, no X-band file with samplerate 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 |
| 199 | 4757/ 4758 | | 259 | 16/9/07 | GRV | 19:06:20 | 21:43:24 | GST | global | partially performed | 1316 | no S-band file, no X-band file with samplerate 1 per sec |
| 200 | 4763/ 4764 | | 261 | 18/9/07 | GRV | 11:03:24 | 14:02:32 | GST | global | successfully performed | 1317 | Peak in calibration; Some peaks in residuals and diff. Doppler data; |
| 201 | 4766/ 4767 | | 262 | 19/9/07 | GRV | 08:14:27 | 10:12:03 | GST | global | successfully performed | 1318 | Peak in calibration and diff. doppler data at 09:37:00.500; Peak in X-band residuals at 09:37:00.500 and 10:12:05.500; S-band data start at 15:15 instead |
| 202 | 4767/ 4768 | | 262 | 19/9/07 | GRV | 13:56:02 | 16:44:17 | GST | global | successfully performed | 1319 | of at 13:56 and stop at 15:44 instead of 16:44; X-band data stop at 15:54 instead of at 16:44; station change to NNO; time-stamp-error in NN11 D2 |
| 203 | 4775/ 4776 | | 264 | 21/9/07 | GRV | 19:41:32 | 22:40:42 | NNO | global | partially performed | 1320 | 19:29:03; NN11 D2 not usable; LEVEL 02 RNG files missing. |
| 204 | 4776 | | 265 | 22/9/07 | GRV | 00:12:42 | 00:52:42 | NNO | HellasRim | successfully performed | 1321 | Peak in NN11 residuals; NN11 D2 not usable; LEVEL 02 RNG files missing. |
| 205 | 4777/ 4778 | | 265 | 22/9/07 | GRV | 09:07:51 | 12:07:01 | GST | global | successfully performed | 1322 | increased noise level at the beginning of the residuals; Peak in X-band residuals at 12:07:03.500 |

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| 206 | 4779/ 4780 | | 265 | 22/9/07 | GRV | 23:42:03 | 01:33:23 | NNO | global | successfully performed | 1323 | station change to NNO; Peaks in residuals; LEVEL 02 RNG files missing. |
| 207 | 4781/ 4782 | | 266 | 23/9/07 | GRV | 12:00:36 | 14:59:44 | GST | global | successfully performed | 1324 | Peak in X-band residuals at 11:45:37.500 and at 14:59:46.500 |
| | 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 |
| 208 | 4782/ 4783 | | 266 | 23/9/07 | GRV | 18:43:43 | 21:42:58 | NNO | global | successfully performed | 1325 | Station change to NNO; wide range in IFMS1 D1 D2 IFMS2 D1 D2 AGC; enlarged noise in IFMS1 D1 D2 IFMS2 D1 D2 residuals; |
| end of MTP43 | | | | | | | | | | | | |
| start of MTP44 | | | | | | | | | | | | |
| | 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 | 4785/ 4786 | | 267 | 24/9/07 | GRV | 15:15:21 | 16:59:48 | NNO | global | failed | 1326 | no files available |
| 210 | 4791/ 4792 | | 269 | 26/9/07 | GRV | 08:13:37 | 09:44:02 | GST | global | failed | 1327 | no files available |
| 211 | 4793/ 4794 | | 269 | 26/9/07 | GRV | 20:38:38 | 23:38:16 | NNO | global | successfully performed | 1328 | Station change to NNO; LEVEL 02 RNG files missing; Peak residuals at 20:23:39.500 and 22:04:55.500 except in NN11 D2; IFMS1 D1/D2 data start at 01:35 instead of at 23:31; IFMS2 D1/D2 start at 01:28 instead of at 23:31; IFMS D1 start at 01:28 and IFMS |
| 212 | 4797/ 4798 | | 270 | 27/9/07 | GRV | 23:31:24 | 01:36:51 | NNO | global | partially performed | 1329 | |

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| 213 | 4799/ 4800 | | 271 | 28/9/07 | GRV | 12:57:41 | 15:57:14 | NNO | global | failed | 1330 | no files available |
| 214 | 4801 | | 272 | 29/9/07 | GRV | 00:12:05 | 00:52:05 | NNO | Hellas | performed(-) | 1331 | station change to NNO, no METEO-files; Calibration files missing; NN11 D1, D2 files missing; LEVEL 1a, 1b ,02 RNG Peak in calibration and dir. |
| 215 | 4802/ 4803 | | 272 | 29/9/07 | GRV | 09:07:13 | 12:06:48 | GST | global | successfully performed | 1332 | Doppler data at 10:38:54.500; Some peaks in X-band residuals; Peak in S-band residuals at |
| 216 | 4806/ 4807 | | 273 | 30/9/07 | GRV | 12:52:31 | 14:59:34 | GST | global | partially performed | 1333 | no S- and X-band files with samplerate 1 per sec |
| 217 | 4807/ 4808 | | 273 | 30/9/07 | GRV | 18:42:42 | 21:42:38 | NNO | global | successfully performed | 1334 | LEVEL 02 RNG 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 |
| 218 | 4809/ 4810 | | 274 | 1/10/07 | GRV | 08:08:57 | 11:08:54 | GST | global | successfully performed | 1335 | Peak in calibration and dir. Doppler data at 09:25:10.500; Some peaks in X-band residuals; Peak in S-band residuals at |
| 219 | 4810/ 4811 | | 274 | 1/10/07 | GRV | 14:52:04 | 16:44:48 | NNO | global | failed | 1336 | no files available |
| 220 | 4811/ 4812 | | 274 | 1/10/07 | GRV | 21:35:14 | 00:35:20 | MAD | global | failed | 1337 | no files available |
| 221 | 4813/ 4814 | | 275 | 2/10/07 | GRV | 11:02:04 | 14:01:39 | GST | global | successfully performed | 1338 | X-band data start at 13:06 instead of at 14:01 and stop at 13:50 instead of at 14:01; S-band data stop at 13:32 instead of at 14:01; |

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| 222 | 4817/ 4818 | | 276 | 3/10/07 | GRV | 13:54:16 | 16:54:24 | NNO | global | failed | 1339 | no files available |
| 223 | 4818/ 4819 | | 276 | 3/10/07 | GRV | 20:37:32 | 23:37:28 | NNO | global | successfully performed | 1340 | station change to NNO; LEVEL 02 RNG files missing; Peak in X-band residuals at 20:22:32.500 |
| 224 | 4822/ 4823 | | 277 | 4/10/07 | GRV | 23:30:31 | 01:21:45 | NNO | global | successfully performed | 1341 | station change to NNO; LEVEL 02 RNG files missing; Peak in X-band residuals at 23:15:31.500 |
| 225 | 4825/ 4826 | | 278 | 5/10/07 | GRV | 19:39:40 | 22:39:13 | NNO | global | performed | 1342 | LEVEL 02 RNG files missing; Peak in X-band residuals at 19:24:40.500 |
| 226 | 4827/ 4828 | | 279 | 6/10/07 | GRV | 09:05:59 | 12:05:58 | GST | global | partially performed | 1343 | no S-band file, no X-band file with samplerate 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 |
| 227 | 4829/ 4830 | | 279 | 6/10/07 | GRV | 22:32:22 | 01:17:51 | NNO | global | performed | 1344 | station change to NNO; LEVEL 02 RNG files missing; Peak in NN11 D1 + D2 residuals at 22:17:23.500 |
| 228 | 4831/ 4832 | | 280 | 7/10/07 | GRV | 11:58:38 | 14:58:33 | GST | global | partially performed | 1345 | no S-band file, no X-band file with samplerate 1 per sec |
| 229 | 4834/ 4835 | | 281 | 8/10/07 | GRV | 08:08:06 | 11:08:07 | GST | global | successfully performed | 1346 | Peak in X-band residuals at 07:53:07.500 and at 11:08:09.500 |
| 230 | 4835/ 4836 | | 281 | 8/10/07 | GRV | 14:51:43 | 16:29:51 | NNO | global | failed | 1347 | no files available |

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| 231 | 4838/ 4839 | | 282 | 9/10/07 | GRV | 11:00:49 | 14:00:47 | GST | global | failed | 1348 | no files available |
| 232 | 4839/ 4840 | | 282 | 9/10/07 | GRV | 18:05:12 | 20:44:03 | NNO | global | performed | 1349 | LEVEL 02 RNG files missing; Peaks in NN11 D1 + D2 residuals at 17:50:12.500 and 19:43:45.500; Peak in NN11/12 Level 02 S-band data start at |
| 233 | 4841/ 4842 | | 283 | 10/10/07 | GRV | 07:27:10 | 10:10:16 | GST | global | successfully performed | 1350 | 07:44 instead of at 07:27; Peak in X-band residuals at 07:44:33.500 and at 10:10:18.500 |
| 234 | 4842/ 4843 | | 283 | 10/10/07 | GRV | 13:53:53 | 16:24:50 | NNO | global | failed | 1351 | no files available |
| 235 | 4849/ 4850 | | 285 | 12/10/07 | GRV | 12:56:06 | 15:55:16 | GST | global | failed | 1352 | 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 |
| 236 | 4850/ 4851 | | 285 | 12/10/07 | GRV | 19:39:16 | 22:38:29 | NNO | global | successfully performed | 1353 | Station change to NNO; much noise in NN11 D1 differential doppler and x-band residual data; Wide range in NN11 D1 AGC; |
| 237 | 4854 | | 286 | 13/10/07 | GRV | 20:19:53 | 20:59:53 | MAD | Hellas | failed | 1354 | no files available station change to NNO; wide range in X-band AGC; LEVEL 02 RNG files missing; uplink- frequency corrected for NN13 D1 |
| 238 | 4854/ 4855 | | 286 | 13/10/07 | GRV | 22:31:53 | 01:01:50 | NNO | global | successfully performed | 1355 | station change to NNO; LEVEL 02 RNG files missing |
| 239 | 4857/ 4858 | | 287 | 14/10/07 | GRV | 18:41:25 | 21:40:39 | NNO | global | successfully performed | 1356 | |

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| 240 | 4861/ 4862 | | 288 | 15/10/07 | GRV | 21:34:08 | 00:33:21 | NNO | global | successfully performed | 1357 | station change to NNO; LEVEL 02 RNG files missing; Peak in residuals and diff.doppler data at 23:04:18.500 |
| 241 | 4863/ 4864 | | 289 | 16/10/07 | GRV | 11:00:30 | 13:59:38 | DSS-14 | global | successfully performed | 1358 | GS changed according to file content; X-band data stop at 13:14 instead of at 13:59; S-band data stop at 13:02 instead of at 13:00 |
| 242 | 4865 | | 289 | 16/10/07 | GRV | 22:14:47 | 22:54:46 | NNO | Hellas | successfully performed | 1359 | station change to NNO; NN11 DZ not usable; LEVEL 02 RNG files missing; Peak in X-band residuals at 21:59:47.500 |
| 243 | 4866/ 4867 | | 290 | 17/10/07 | GRV | 07:09:54 | 10:09:10 | GST | global | partially performed | 1360 | no files with samplerate 1 per sec |
| 244 | 4867/ 4868 | | 290 | 17/10/07 | GRV | 13:53:09 | 16:09:49 | GST | global | failed | 1361 | 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 |
| 245 | 4873/ 4874 | | 292 | 19/10/07 | GRV | 07:06:10 | 09:11:26 | DSS-14 | global | successfully performed | 1362 | GS changed according to file content; Some Peaks in X / S-band residuals |
| 246 | 4874/ 4875 | | 292 | 19/10/07 | GRV | 12:55:25 | 15:54:33 | GST | global | failed | 1363 | no files available |
| 247 | 4879/ 4880 | | 293 | 20/10/07 | GRV | 22:31:16 | 00:43:54 | NNO | global | successfully performed | 1364 | station change to NNO; LEVEL 02 RNG files missing; Peak in NN11 residuals. |
| 248 | 4881/ 4882 | | 294 | 21/10/07 | GRV | 11:57:37 | 14:56:50 | GST | global | partially performed | 1365 | no S-band file, no X-band file with samplerate 1 per sec |

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| 249 | 4882/ 4883 | | 294 | 21/10/07 | GRV | 18:40:49 | 21:40:01 | NNO | global | successfully performed | 1366 | station change to NNO; LEVEL 02 RNG files missing; Peak in NN11 residuals at 18:25:49.500 |
|-----------------------|---------------|---------------------|-------------|----------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| end of MTP44 | | | | | | | | | | | | |
| start of MTP45 | | | | | | | | | | | | |
| | 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 |
| 250 | 4886/ 4887 | | 295 | 22/10/07 | GRV | 21:46:31 | 00:32:41 | NNO | global | successfully performed | 1368 | LEVEL 02 RNG files missing |
| 251 | 4889/ 4890 | | 296 | 23/10/07 | GRV | 17:43:04 | 20:42:16 | NNO | global | successfully performed | 1369 | LEVEL 02 RNG files missing |
| 252 | 4893/ 4894 | | 297 | 24/10/07 | GRV | 20:35:49 | 23:35:01 | NNO | global | successfully performed | 1370 | DCL, RCL and LEVEL 02 RNG files missing; Peak in NN11 residuals at 20:20:50.500 and 20:29:47.500; Peak in NN12 |
| 253 | 4907/ 4908 | | 301 | 28/10/07 | GRV | 18:40:27 | 21:39:36 | NNO | global | successfully performed | 1371 | LEVEL 02 RNG files missing; Peak in NN11 residuals at 18:25:27.500 |
| 254 | 4908 | | 301 | 28/10/07 | GRV | 23:11:36 | 23:51:36 | NNO | Hellas | successfully performed | 1372 | LEVEL 02 RNG files missing; Peak in NN11 residuals at 22:56:36.500; NN11 D2 not usable |
| 255 | 4911/ 4912 | | 302 | 29/10/07 | GRV | 21:33:10 | 00:17:21 | NNO | global | performed | 1373 | LEVEL 02 RNG files missing; Peak in X-band residuals at 21:18:10.500 |
| 256 | 4918/ 4919 | | 304 | 31/10/07 | GRV | 21:12:32 | 23:34:41 | NNO | global | successfully performed | 1374 | LEVEL 02 RNG files missing |

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Mars Express Radio Science Experiment - Science Operations Logbook

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| 257 | 4953/ 4954 | | 314 | 10/11/07 | GRV | 16:32:11 | 18:46:18 | NNO | global | successfully performed | 1375 | LEVEL 02 RNG files missing |
| 258 | 4978/ 4979 | | 321 | 17/11/07 | GRV | 15:51:05 | 18:46:22 | NNO | global | successfully performed | 1376 | LEVEL 02 RNG 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 |
| 259 | 4982/ 4983 | | 322 | 18/11/07 | GRV | 18:39:53 | 20:29:07 | NNO | global | successfully performed | 1377 | LEVEL 02 RNG files missing; Peaks in residuals |
| end of MTP45 | | | | | | | | | | | | |
| start of MTP46 | | | | | | | | | | | | |
| | orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
| 260 | 4985 | | 323 | 19/11/07 | GRV | 15:59:12 | 17:50:04 | NNO | global | successfully performed | 1378 | LEVEL 02 RNG files missing; Peak in NN11 residuals at 15:44:13.500 |
| 261 | 4989 | | 324 | 20/11/07 | GRV | 17:45:07 | 20:16:16 | NNO | global | performed | 1379 | DCL and RCL files missing; LEVEL 02 RNG files missing; Peak in NN11 residuals at 17:30:07.500; AGC for NN12 and LEVEL 02 RNG files missing; in NN12 D1 the file |
| 262 | 5003 | | 328 | 24/11/07 | GRV | 15:56:33 | 18:56:13 | NNO | global | successfully performed | 1380 | M32ICL2L02_D1X_073281553_00.TAB is missing, therefore the LEVEL 02 RNG files missing; |
| 263 | 5007 | | 329 | 25/11/07 | GRV | 18:51:15 | 21:50:56 | NNO | global | successfully performed | 1381 | Wide range in X-band AGC approx. between 21:20 and 21:40; Peak in NN11 D1 residuals |

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Mars Express Radio Science Experiment - Science Operations Logbook

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| 264 | 5010 | | 330 | 26/11/07 | GRV | 15:29:41 | 18:07:24 | NNO | global | successfully performed | 1382 | LEVEL 02 RNG files missing; Peak in NN11 residuals at 15:14:41.500 |
| 265 | 5014 | | 331 | 27/11/07 | GRV | 18:07:51 | 19:48:36 | NNO | global | successfully performed | 1383 | LEVEL 02 RNG files missing; wrong uplink in header corrected for IFMS2 D1 D2 IFMS3 D1 D2; |
| 266 | 5017 | | 332 | 28/11/07 | GRV | 15:20:37 | 17:25:47 | NNO | global | successfully performed | 1384 | LEVEL 02 RNG files missing; Peak in NN11 residuals at 15:05:38.500 |
| 267 | 5021 | | 333 | 29/11/07 | GRV | 17:26:15 | 19:40:38 | NNO | global | successfully performed | 1385 | LEVEL 02 RNG files missing; Some peaks in X-band residuals |
| 268 | 5035 | | 337 | 3/12/07 | GRV | 16:06:46 | 19:10:01 | NNO | global | failed | 1386 | 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 |
| 269 | 5039 | | 338 | 4/12/07 | GRV | 19:15:55 | 21:40:43 | NNO | global | partially performed | 1387 | LEVEL 1a, 1b, 02 RNG files missing and RCL files missing; Wide range in X-Band AGC; Peak in X-band residuals at |
| 270 | 5042 | | 339 | 5/12/07 | GRV | 15:37:50 | 18:41:09 | NNO | global | successfully performed | 1388 | LEVEL 02 RNG files missing; Peak in NN11 D1 residuals at 15:22:51.500 |
| 271 | 5049 | | 341 | 7/12/07 | GRV | 15:08:54 | 18:12:17 | NNO | global | successfully performed | 1389 | LEVEL 02 RNG files missing; Peak in NN11 residuals at 14:53:54.500 |
| 272 | 5063 | | 345 | 11/12/07 | GRV | 14:20:36 | 17:25:44 | NNO | global | partially performed | 1390 | LEVEL 1a, 1b, 02 RNG files missing and RCL files missing; Decrease in Calibration between 14:56:16.500 and 14:56:32.500; |

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Mars Express Radio Science Experiment - Science Operations Logbook

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| 273 | 5070 | | 347 | 13/12/07 | GRV | 14:05:55 | 17:09:43 | NNO | global | successfully performed | 1391 | LEVEL 02 RNG files missing; Decrease in Calibration between 14:59:17.499 and 14:59:32.500; Increase in S-band residuals |
| 274 | 5074 | | 348 | 14/12/07 | GRV | 15:09:07 | 15:49:07 | NNO | Pavonis | successfully performed | 1392 | LEVEL 02 RNG files missing; Enlarged noise in X-band AGC and NN11 D1 residuals |

end of MTP46

start of MTP47

| orbit number | DSN tracking number | day of year | date | MaRS activity | start time (UT) planned/ actual | stop time (UT) planned/ actual | ground station | target; coordinates | performed? cancelled? | Volume-ID | remarks comments |
|---------------|---------------------|-------------|----------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 5091/ 5092 | | 353 | 19/12/07 | GRV | 13:28:44 | 16:35:15 | NNO | global | successfully performed | 1393 | LEVEL 02 RNG files missing; Wide range in AGC; Decrease in calibration between 13:54:56.500 and 13:55:11.500; Peak in NN11 NN11 files missing; LEVEL 1a, 1b, 02 RNG files missing; uplink-frequency corrected for NN13 D1 and D2 |
| 5092 | | 353 | 19/12/07 | GRV | 18:07:15 | 18:47:15 | NNO | Pavonis | performed | 1394 | measurement was stoped and restartet in IFMS1 and IFMS2, several times out of lock between 18:33:21 and 18:44:29, causes |
| 5095/ 5096 | | 354 | 20/12/07 | GRV | 16:50:48 | 19:57:12 | NNO | global | performed(-) | 1395 | LEVEL 02 RNG files missing; Decrease in Calibration between 13:58:38.500 and 13:58:53.500; Peak in NN11 residuals at |
| 5098/ 5099 | | 355 | 21/12/07 | GRV | 13:22:15 | 16:28:49 | NNO | global | successfully performed | 1396 | LEVEL 02 RNG files missing; Wide range in X-Band AGC; Some peaks in NN11 D1 residuals; Peak in NN11 D2 |
| 5102/ 5103 | | 356 | 22/12/07 | GRV | 16:44:09 | 19:50:35 | NNO | global | successfully performed | 1397 | |
| 5105/ 5106 | | 357 | 23/12/07 | GRV | 13:15:40 | 16:22:13 | NNO | global | successfully performed | 1398 | LEVEL 02 RNG files missing; Peaks in calibration and residuals |

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Mars Express Radio Science Experiment - Science Operations Logbook

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|--|---------------------|-------------|----------|---------------|---------------------------------|--------------------------------|----------------|---------------------|------------------------|-----------|--|
| 5109/ 5110 | | 358 | 24/12/07 | GRV | 16:37:34 | 19:44:04 | NNO | global | successfully performed | 1399 | LEVEL 02 RNG files missing; Wide range in X-Band AGC; Peak in NN11 residuals at 16:22:34.500 |
| 5119/ 5120 | | 361 | 27/12/07 | GRV | 13:02:27 | 16:08:54 | NNO | global | successfully performed | 1400 | LEVEL 02 RNG files missing; Peaks in calibration and residuals |
| 5126/ 5127 | | 363 | 29/12/07 | GRV | 12:55:47 | 16:02:15 | NNO | global | failed | 1401 | 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 |
| 5130/ 5131 | | 364 | 30/12/07 | GRV | 16:17:44 | 19:11:14 | NNO | global | failed | 1402 | no files available |
| 5133/ 5134 | | 365 | 31/12/07 | GRV | 12:49:10 | 15:55:38 | NNO | global | failed | 1403 | no files available |
| MTP 47 (prequel to Mars_ops_logbook 08) | | | | | | | | | | | |

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Mars Express Radio Science Experiment - Science Operations Logbook

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| L1a&b L02 | | |
| L1a&b L02 | PSA | |
| L1a&b L02 | PSA | |
| L1a&b L02 | PSA | |
| L1a&b L02 | PSA | |
| L1a&b L02 | PSA | |
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Mars Express Radio Science Experiment - Science Operations Logbook

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| L1a&b L02 | |
| L1a&b L02 | PSA |
| L1a&b | internal |
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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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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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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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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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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 |
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| L1a&b | L02 | PSA |
| L1a&b | L02 | PSA |

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green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR

Mars Express Radio Science Experiment - Science Operations Logbook

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| L1a&b | L02 | PSA |
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