

# Mars Express Radio Science Experiment - Science Operations Logbook

## MTP 60(sequel to MaRS\_ops\_logbook 08)

MTP 60(sequel to MaRS_ops_logbook 08)													
	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	processed?	archived?
1	6419		001	1/1/09	SCO	01:58:39	03:28:39	NNO		successfully performed	1727	L1a&b L02	PSA
2	6420		001	1/1/09	SCO	13:26:30	14:54:26	MAD		cancelled by MPS	1728		
3	6422		002	2/1/09	SCO	03:17:18	06:08:09	NNO		successfully performed	1729	L1a&b L02	PSA
4	6423		002	2/1/09	SCO	07:23:09	08:03:09	NNO		successfully performed	1730	L1a&b L02	PSA
5	6424		002	2/1/09	SCO	16:39:01	20:33:48	GST		cancelled by MPS	1731		
6	6425		002	2/1/09	SCO	23:27:48	03:24:44	NNO		successfully performed	1732	L1a&b L02	PSA
7	6426		003	3/1/09	SCO	06:35:44	09:19:36	NNO		successfully performed	1733	L1a&b L02	PSA
8	6429		003	3/1/09	SCO	22:35:23	23:57:23	NNO		successfully performed	1734	L1a&b L02	PSA

white: planned task  
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# Mars Express Radio Science Experiment - Science Operations Logbook

9	6429		004	4/1/09	SCO	03:08:23	06:48:14	NNO		successfully performed	1735	L1a&b	L02	PSA
	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	processed?	archived?	
10	6431		004	4/1/09	SCO	11:30:04	13:39:03	MAD		cancelled by MPS	1736			
11	6431		004	4/1/09	SCO	16:38:03	20:25:54	GST		cancelled by MPS	1737			
12	6433		005	5/1/09	SCO	06:42:50	09:18:41	NNO		successfully performed	1738	L1a&b	L02	PSA
13	6435		005	5/1/09	SCO	20:03:38	22:34:27	DSS-14		successfully performed	1739	L1a&b	L02	PSA
14	6438		006	6/1/09	SCO	16:46:11	20:26:06	GST		cancelled by MPS	1740			
15	6441		007	7/1/09	SCO	13:18:50	14:49:43	MAD		cancelled by MPS	1741			
16	6443		007	7/1/09	SCO	22:35:32	00:00:31	NNO		successfully performed	1742	L1a&b	L02	PSA
17	6443		008	8/1/09	SCO	03:06:31	06:14:27	NNO		successfully performed	1743	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

18	6446		008	8/1/09	SCO	23:56:15	03:13:05	NNO		successfully performed	1744	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
19	6448		009	9/1/09	SCO	13:14:57	14:49:47	MAD		cancelled by MPS	1745			
20	6450		009	9/1/09	SCO	22:34:37	23:45:37	NNO		successfully performed	1746	L1a&b	L02	PSA
21	6450		010	10/1/09	SCO	03:02:37	06:24:33	NNO		successfully performed	1747	L1a&b	L02	PSA
22	6452		010	10/1/09	SCO	16:39:25	20:18:22	DSS-14		successfully performed	1748	L1a&b	L02	PSA
23	6453		011	11/1/09	SCO	00:01:22	03:09:11	NNO		successfully performed	1749	L1a&b	L02	PSA
24	6456		011	11/1/09	SCO	19:45:55	22:39:50	NNO		cancelled by MPS	1750			
<b>end of MTP60</b>														
<b>start of MTP61</b>														
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	

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# Mars Express Radio Science Experiment - Science Operations Logbook

25	6459		012	12/1/09	SCO	13:57:39	14:37:39	DSS-65		successfully performed	1751	L1a&b	L02	PSA
26	6462		013	13/1/09	SCO	07:44:53	09:24:53	NNO		successfully performed	1752	L1a&b	L02	PSA
27	6464		014	14/1/09	SCO	02:34:44	06:27:08	NNO		successfully performed	1753	L1a&b	L02	PSA
28	6466		014	14/1/09	SCO	11:29:31	13:34:31	MAD		cancelled by MPS	1754			
29	6466		014	14/1/09	SCO	17:44:30	20:11:53	GST		cancelled by MPS	1755			
30	6468		015	15/1/09	SCO	07:29:15	09:06:43	NNO		successfully performed	1756	L1a&b	L02	PSA
31	6469		015	15/1/09	GRV	14:21:42	14:49:07	MAD		cancelled by MPS	1757			
32	6471		016	16/1/09	GRV	02:41:36	06:28:59	NNO	Global	performed(-)	1758	L1a&b	L02	PSA
33	6473		016	16/1/09	GRV	11:36:23	13:21:23	MAD		cancelled by MPS	1759			
	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	processed?	archived?	

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34	6473		016	16/1/09	GRV	16:26:23	19:58:45	GST		cancelled by MPS	1760			
35	6474		016	16/1/09	GRV	23:03:45	03:06:09	NNO	Global	successfully performed	1761	L1a&b	L02	PSA
36	6480		018	18/1/09	GRV	11:33:16	13:28:16	DSS-63	global	successfully performed	1762	L1a&b	L02	PSA
37	6480		018	18/1/09	GRV	16:58:15	20:10:38	GST		cancelled by MPS	1763			
38	6482		019	19/1/09	GRV	06:29:21	09:08:01	NNO	Global	successfully performed	1764	L1a&b	L02	PSA
39	6484		019	19/1/09	GRV	17:51:38	18:31:38	GST		cancelled by MPS	1765			
40	6487		020	20/1/09	GRV	16:47:35	20:06:13	GST		cancelled by MPS	1766			
41	6488		020	20/1/09	GRV	23:41:13	03:39:56	NNO	Global	successfully performed	1767	L1a&b	L02	PSA
42	6489		021	21/1/09	GRV	06:34:56	09:03:34	NNO	Global	successfully performed	1768	L1a&b	L02	PSA
	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	processed?	archived?	

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43	6492		021	21/1/09	GRV	22:35:49	00:20:49	NNO		cancelled by MPS	1769			
44	6492		022	22/1/09	GRV	03:25:49	07:09:26	NNO	Global	successfully performed	1770	L1a&b	L02	PSA
45	6493		022	22/1/09	GRV	11:22:26	13:58:09	MAD		cancelled by MPS	1771			
46	6495		022	22/1/09	GRV	23:56:47	03:55:31	NNO	Global	successfully performed	1772	L1a&b	L02	PSA
47	6496		023	23/1/09	GRV	07:10:31	09:04:07	NNO	Global	performed	1773	L1a&b	L02	PSA
48	6499		023	23/1/09	GRV	22:31:25	00:31:25	NNO	Global	successfully performed	1774	L1a&b	L02	PSA
49	6499		024	24/1/09	GRV	03:41:24	07:30:03	NNO	Global	successfully performed	1775	L1a&b	L02	PSA
50	6500		024	24/1/09	GRV	11:22:03	13:58:46	MAD		cancelled by MPS	1776			
51	6502		025	25/1/09	GRV	00:38:23	04:06:06	NNO	Global	successfully performed	1777	L1a&b	L02	PSA
	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	processed?	archived?	

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52	6503		025	25/1/09	GRV	07:26:06	08:59:42	NNO	Global	successfully performed	1778	L1a&b	L02	PSA
53	6505		025	25/1/09	GRV	16:38:23	17:58:23	GST		cancelled by MPS	1779			
54	6505		025	25/1/09	GRV	22:18:23	00:07:01	NNO	Global	successfully performed	1780	L1a&b	L02	PSA
55	6507		026	26/1/09	GRV	11:30:42	14:09:22	MAD		cancelled by MPS	1781			
56	6508		026	26/1/09	GRV	17:34:22	20:08:00	GST		cancelled by MPS	1782			
57	6510		027	27/1/09	GRV	07:21:39	09:21:15	NNO	Global	successfully performed	1783	L1a&b	L02	PSA
58	6512		027	27/1/09	OCC	17:52:58	18:14:58	NNO		cancelled by MPS	1784			
59	6514		028	28/1/09	OCC	07:34:30	07:56:30	NNO		cancelled by MPS	1785			
60	6514		028	28/1/09	GRV	11:32:18	13:59:56	MAD		cancelled by MPS	1786			
	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	processed?	archived?	

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61	6516		029	29/1/09	GRV	01:10:34	02:52:12	NNO	Global	successfully performed	1787	L1a&b	L02	PSA
62	6517		029	29/1/09	OCC	04:11:14	04:33:14	NNO		successfully performed	1788	L1a&b	L02	PSA
63	6520		030	30/1/09	OCC	00:49:17	01:11:17	NNO		successfully performed	1789	L1a&b	L02	PSA
64	6521		030	30/1/09	OCC	07:42:08	08:04:08	NNO		cancelled by MPS	1790			
65	6521		030	30/1/09	GRV	11:32:52	14:10:30	MAD		cancelled by MPS	1791			
66	6523		031	31/1/09	GRV	00:59:09	02:57:46	NNO	Global	successfully performed	1792	L1a&b	L02	PSA
67	6524		031	31/1/09	OCC	04:20:55	04:42:55	NNO		successfully performed	1793	L1a&b	L02	PSA
68	6526		031	31/1/09	OCC	18:06:59	18:28:59	DSS-14		partially performed	1794	L1a&b	L02	PSA
69	6527		032	1/2/09	OCC	01:00:06	01:22:06	NNO		successfully performed	1795	L1a&b	L02	PSA
	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	processed?		archived?

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70	6528		032	1/2/09	OCC	07:53:13	08:15:13	NNO		cancelled by MPS	1796			
71	6528		032	1/2/09	GRV	12:03:28	14:06:04	MAD		cancelled by MPS	1797			
72	6531		033	2/2/09	OCC	04:32:42	04:54:42	NNO		successfully performed	1798	L1a&b	L02	PSA
73	6533		033	2/2/09	OCC	18:19:10	18:41:10	NNO		cancelled by MPS	1799			
74	6535		034	3/2/09	OCC	08:05:41	08:27:41	NNO		cancelled by MPS	1800			
75	6536		034	3/2/09	GRV	18:26:37	19:46:37	GST		cancelled by MPS	1801			
76	6539		035	4/2/09	OCC	11:39:00	12:01:00	NNO		cancelled by MPS	1802			
77	6540		035	4/2/09	OCC	18:32:19	18:54:19	NNO		cancelled by MPS	1803			
78	6541		036	5/2/09	GRV	05:04:56	07:18:34	NNO	Global	successfully performed	1804	L1a&b	L02	PSA
	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	processed?	archived?	

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# Mars Express Radio Science Experiment - Science Operations Logbook

79	6542		036	5/2/09	OCC	08:19:02	08:41:02	NNO		cancelled by MPS	1805			
80	6542		036	5/2/09	GRV	12:26:34	14:12:11	MAD		cancelled by MPS	1806			
81	6544		037	6/2/09	GRV	02:13:52	03:39:31	NNO	Global	successfully performed	1807	L1a&b	L02	PSA
82	6545		037	6/2/09	OCC	04:59:14	05:21:14	NNO		successfully performed	1808	L1a&b	L02	PSA
83	6546		037	6/2/09	OCC	11:52:43	12:14:43	NNO		cancelled by MPS	1809			
84	6546		037	6/2/09	GRV	16:03:14	17:26:51	GST		cancelled by MPS	1810			
85	6547		037	6/2/09	OCC	18:46:09	19:08:09	NNO		cancelled by MPS	1811			
86	6548		038	7/2/09	OCC	01:39:39	02:01:39	NNO		successfully performed	1812	L1a&b	L02	PSA
87	6549		038	7/2/09	OCC	08:33:03	08:55:03	NNO		cancelled by MPS	1813			
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	

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88	6551		038	7/2/09	OCC	22:20:01	22:42:00	NNO		cancelled by MPS	1814			
89	6552		039	8/2/09	OCC	05:13:31	05:35:31	NNO		successfully performed	1815	L1a&b	L02	PSA
90	6553		039	8/2/09	OCC	12:07:03	12:29:03	NNO		cancelled by MPS	1816			
91	6553		039	8/2/09	GRV	16:18:49	17:42:25	DSS-14	global	successfully performed	1817	L1a&b	L02	
92	6554		039	8/2/09	OCC	19:00:34	19:22:34	NNO		cancelled by MPS	1818			

**end of MTP61**

**start of MTP62**

	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	processed?	archived?	
93	6555		040	9/2/09	OCC	01:54:08	02:16:08	NNO		successfully performed	1819	L1a&b	L02	PSA
94	6556		040	9/2/09	OCC	08:47:38	09:09:37	NNO		successfully performed	1820	L1a&b	L02	PSA
95	6560		041	10/2/09	GRV	16:21:24	18:00:00	DSS-15		performed(-)	1821	L1a&b		internal

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# Mars Express Radio Science Experiment - Science Operations Logbook

96	6561		041	10/2/09	OCC	19:15:37	19:37:36	DSS-15		performed(-)	1822	L1a&b	internal
97	6562		042	11/2/09	OCC	02:09:03	02:31:03	NNO		successfully performed	1823	L1a&b L02	PSA
98	6562		042	11/2/09	GRV	06:28:41	08:54:49	NNO	Global	successfully performed	1824	L1a&b L02	PSA
99	6564		042	11/2/09	OCC	15:56:16	16:18:16	NNO		cancelled by MPS	1825		
100	6566		043	12/2/09	OCC	05:43:28	06:05:28	NNO		successfully performed	1826	L1a&b L02	PSA
101	6569		044	13/2/09	OCC	02:24:31	02:46:31	NNO		successfully performed	1827	L1a&b L02	PSA
	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	processed?	archived?
102	6573		045	14/2/09	OCC	05:59:11	06:21:11	NNO		successfully performed	1828	L1a&b L02	PSA
103	6574		045	14/2/09	GRV	17:34:31	19:38:40	DSS-15	global	successfully performed	1829	L1a&b L02	PSA
104	6576		046	15/2/09	OCC	02:40:07	03:02:07	NNO		successfully performed	1830	L1a&b L02	PSA

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105	6576		046	15/2/09	GRV	07:21:50	08:59:29	NNO	Global	successfully performed	1831	L1a&b	L02	PSA
106	6579		046	15/2/09	OCC	23:21:15	23:43:15	NNO		successfully performed	1832	L1a&b	L02	PSA
107	6580		047	16/2/09	OCC	06:14:50	06:36:50	NNO		successfully performed	1833	L1a&b	L02	PSA
108	6585		048	17/2/09	OCC	16:43:35	17:05:35	NNO		cancelled by MPS	1834			
109	6587		049	18/2/09	OCC	06:31:04	06:53:04	NNO		cancelled by MPS	1835			
110	6595		051	20/2/09	GRV	17:22:47	19:44:01	GST		cancelled by MPS	1836			
	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	processed?		archived?
111	6597		052	21/2/09	OCC	03:28:46	03:50:46	NNO		successfully performed	1837	L1a&b	L02	PSA
112	6599		052	21/2/09	OCC	17:16:19	17:38:19	DSS-14		successfully performed	1838	L1a&b	L02	PSA
113	6604		054	23/2/09	OCC	03:45:14	04:07:14	NNO		successfully performed	1839	L1a&b	L02	PSA

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114	6606		054	23/2/09	OCC	17:18:00	17:58:00	DSS-15		successfully performed	1840	L1a&b	L02	PSA
115	6608		055	24/2/09	OCC	07:20:42	07:42:42	NNO		successfully performed	1841	L1a&b	L02	PSA
116	6613		056	25/2/09	OCC	17:35:00	18:15:00	DSS-15		successfully performed	1842	L1a&b	L02	PSA
117	6615		057	26/2/09	OCC	07:37:39	07:59:39	NNO		partially performed	1843	L1a&b	L02	PSA
118	6618		058	27/2/09	OCC	04:19:04	04:41:04	NNO		successfully performed	1844	L1a&b	L02	PSA
119	6619		058	27/2/09	GRV	15:59:07	17:53:15	GST		cancelled by MPS	1845			
	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	processed?	archived?	
120	6627		060	1/3/09	OCC	18:09:00	18:49:00	DSS-15		successfully performed	1846	L1a&b	L02	PSA
121	6634		062	3/3/09	OCC	18:41:25	19:03:25	DSS-15		successfully performed	1847	L1a&b	L02	PSA
122	6638		064	5/3/09	GRV	01:55:41	03:55:23	NNO	Global	successfully performed	1848	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

123	6639		064	5/3/09	OCC	05:11:13	05:33:13	NNO		successfully performed	1849	L1a&b	L02	PSA
124	6640		064	5/3/09	OCC	12:05:06	12:27:06	NNO		cancelled by MPS	1850			
125	6642		065	6/3/09	GRV	05:57:51	08:27:28	NNO	Global	successfully performed	1851	L1a&b	L02	PSA
126	6645		065	6/3/09	OCC	22:34:45	22:56:45	NNO		successfully performed	1852	L1a&b	L02	PSA
127	6647		066	7/3/09	OCC	12:22:41	12:44:41	NNO		cancelled by MPS	1853			
128	6647		066	7/3/09	GRV	16:01:39	18:01:21	DSS-15	global	successfully performed	1854	L1a&b	L02	
	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	processed?	archived?	
129	6648		066	7/3/09	OCC	19:16:41	19:38:41	DSS-15		successfully performed	1855	L1a&b	L02	PSA
130	6649		067	8/3/09	OCC	02:10:33	02:32:33	NNO		successfully performed	1856	L1a&b	L02	PSA
131	6649		067	8/3/09	GRV	05:45:58	08:31:36	NNO	Global	successfully performed	1857	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

132	6651		067	8/3/09	OCC	15:58:26	16:20:26	NNO		cancelled by MPS	1858		
<b>end of MTP62</b>													
<b>start of MTP63</b>													
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
133	6656		069	10/3/09	GRV	06:29:36	08:29:17	NNO	Global	successfully performed	1859	L1a&b L02	PSA
134	6664		071	12/3/09	GRV	13:38:58	14:54:38	DSS-65	global	successfully performed	1860	L1a&b L02	PSA
135	6673		074	15/3/09	GRV	03:41:57	06:41:35	NNO	Global	successfully performed	1861	L1a&b L02	PSA
136	6678		075	16/3/09	GRV	14:58:17	17:09:55	DSS-15	global	performed	1862	L1a&b L02	PSA
137	6681		076	17/3/09	GRV	06:02:14	06:57:14	NNO	Global	successfully performed	1863	L1a&b L02	PSA
138	6682		076	17/3/09	GRV	18:15:54	19:44:35	DSS-15	global	performed	1864	L1a&b L02	PSA
139	6684		077	18/3/09	GRV	06:13:14	08:13:14	NNO	Global	successfully performed	1865	L1a&b L02	PSA

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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	processed?	archived?
140	6691		079	20/3/09	GRV	07:18:57	08:12:57	NNO	Global	successfully performed	1866	L1a&b L02	PSA
141	6692		079	20/3/09	GRV	14:57:37	17:45:14	NNO		cancelled by MPS	1867		
142	6694		080	21/3/09	GRV	05:12:55	05:45:33	NNO	Global	successfully performed	1868	L1a&b L02	PSA
143	6696		080	21/3/09	GRV	18:40:17	19:45:56	DSS-15	Global	performed	1869	L1a&b L02	PSA
144	6697		081	22/3/09	GRV	01:19:56	04:14:38	NNO	Global	successfully performed	1870	L1a&b L02	PSA
145	6699		081	22/3/09	GRV	15:23:16	18:01:54	DSS-15	global	performed	1871	L1a&b L02	PSA
146	6700		081	22/3/09	GRV	22:08:54	00:55:34	NNO	Global	successfully performed	1872	L1a&b L02	PSA
147	6701		082	23/3/09	GRV	04:44:34	07:33:13	NNO	Global	successfully performed	1873	L1a&b L02	PSA
148	6703		082	23/3/09	GRV	17:49:57	19:45:36	NNO		cancelled by MPS	1874		

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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	processed?	archived?
149	6706		083	24/3/09	GRV	15:12:56	18:18:37	DSS-15		partially performed	1875	L1a&b	internal
150	6708		084	25/3/09	GRV	05:00:16	08:04:57	NNO	Global	successfully performed	1876	L1a&b L02	PSA
151	6715		086	27/3/09	GRV	04:35:59	08:00:41	NNO	Global	successfully performed	1877	L1a&b L02	PSA
152	6721		087	28/3/09	GRV	23:49:03	01:47:40	NNO	Global	successfully performed	1878	L1a&b L02	PSA
153	6722		088	29/3/09	GRV	05:31:40	07:58:23	NNO	Global	successfully performed	1879	L1a&b L02	PSA
154	6725		089	30/3/09	GRV	02:42:39	05:22:20	NNO	Global	successfully performed	1880	L1a&b L02	PSA
155	6727		089	30/3/09	GRV	16:29:58	18:03:11	DSS-15	Global	performed	1881	L1a&b L02	PSA
156	6729		090	31/3/09	GRV	05:47:21	07:55:04	NNO	Global	successfully performed	1882	L1a&b L02	PSA
157	6736		092	2/4/09	GRV	01:09:05	02:21:05	NNO	Global	successfully performed	1883	L1a&b L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

158	6740		093	3/4/09	GRV	05:09:47	05:56:47	NNO	Global	successfully performed	1884	L1a&b	L02	PSA
159	6743		094	4/4/09	GRV	01:14:47	02:37:47	NNO	Global	successfully performed	1885	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
160	6743		094	4/4/09	GRV	06:48:46	07:48:28	NNO	Global	successfully performed	1886	L1a&b	L02	PSA
161	6747		095	5/4/09	GRV	04:49:29	06:13:29	NNO	Global	successfully performed	1887	L1a&b	L02	PSA
162	6748		095	5/4/09	GRV	16:37:11	19:45:50	DSS-15	Global	performed	1888	L1a&b	L02	PSA
163	6749		096	6/4/09	GRV	00:17:50	02:55:28	NNO	Global	successfully performed	1889	L1a&b	L02	PSA
<b>end of MTP63</b>														
<b>start of MTP64</b>														
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
164	6755		097	7/4/09	GRV	16:55:04	19:01:54	DSS-15	global	successfully performed	1890	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

165	6757		098	8/4/09	GRV	05:41:56	07:39:59	NNO	Global	successfully performed	1891	L1a&b	L02	PSA
166	6763		100	10/4/09	GRV	00:06:35	01:37:58	NNO	Global	successfully performed	1892	L1a&b	L02	PSA
167	6768		101	11/4/09	GRV	11:23:00	13:29:58	DSS-65	global	successfully performed	1893	L1a&b	L02	PSA
168	6769		101	11/4/09	BSR	18:13:47	20:36:42	DSS-14		cancelled by DSN	1894			
169	6770		102	12/4/09	GRV	00:15:07	01:32:58	NNO	Global	successfully performed	1895	L1a&b	L02	PSA
170	6772		102	12/4/09	GRV	14:27:31	17:33:48	DSS-15	global	successfully performed	1896	L1a&b	L02	PSA
171	6773		102	12/4/09	GRV	21:54:01	00:02:56	NNO	Global	successfully performed	1897	L1a&b	L02	PSA
172	6774		103	13/4/09	GRV	03:54:53	06:59:51	NNO	Global	successfully performed	1898	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
173	6777		103	13/4/09	GRV	19:46:00	20:48:16	DSS-15	global	successfully performed	1899	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

174	6777		104	14/4/09	GRV	00:40:49	02:44:58	NNO	Global	successfully performed	1900	L1a&b	L02	PSA
175	6781		105	15/4/09	GRV	04:10:35	07:27:58	NNO	Global	successfully performed	1901	L1a&b	L02	PSA
176	6785		106	16/4/09	GRV	02:37:04	04:10:00	NNO	Global	successfully performed	1902	L1a&b	L02	PSA
177	6788		107	17/4/09	GRV	05:18:00	07:23:58	NNO	Global	successfully performed	1903	L1a&b	L02	PSA
178	6791		108	18/4/09	GRV	01:07:24	04:25:57	NNO	Global	successfully performed	1904	L1a&b	L02	PSA
179	6795		109	19/4/09	BSR	05:35:41	07:59:38	DSS-63		successfully performed	1905			PSA
180	6798		110	20/4/09	GRV	01:28:10	04:41:53	NNO	Global	performed	1906	L1a&b	L02	PSA
181	6802		111	21/4/09	GRV	05:38:00	07:16:58	NNO	Global	successfully performed	1907	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
182	6804		111	21/4/09	GRV	14:25:56	15:23:08	DSS-15	Global	successfully performed	1908	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

183	6807		112	22/4/09	GRV	15:31:12	17:56:47	DSS-15	Global	successfully performed	1909	L1a&b	L02	PSA
184	6816		115	25/4/09	BSR	06:18:55	08:43:55	DSS-63		successfully performed	1910			PSA
185	6817		115	25/4/09	GRV	12:43:05	13:54:58	NNO		cancelled by MPS	1911			
186	6823		117	27/4/09	GRV	00:26:03	02:10:53	NNO	Global	successfully performed	1912	L1a&b	L02	PSA
187	6823		117	27/4/09	GRV	05:50:11	07:05:58	NNO	Global	successfully performed	1913	L1a&b	L02	PSA
188	6825		117	27/4/09	GRV	13:46:25	15:58:39	NNO		cancelled by MPS	1914			
189	6826		118	28/4/09	GRV	02:46:07	05:51:10	NNO	Global	successfully performed	1915	L1a&b	L02	PSA
190	6830		119	29/4/09	GRV	00:19:03	02:45:05	NNO	Global	successfully performed	1916	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
191	6834		120	30/4/09	GRV	04:10:59	06:01:38	NNO	Global	successfully performed	1917	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

192	6835		120	30/4/09	GRV	11:08:04	13:14:30	DSS-65	Global	performed	1918	L1a&b	L02	PSA
193	6840		121	1/5/09	GRV	21:46:00	23:26:55	NNO	Global	successfully performed	1919	L1a&b	L02	PSA
194	6840		122	2/5/09	GRV	01:46:09	06:37:50	NNO	Global	successfully performed	1920	L1a&b	L02	PSA
<b>end of MTP64</b>														
<b>start of MTP65</b>														
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?		archived?
195	6847		123	3/5/09	GRV	21:44:00	23:29:58	NNO	Global	successfully performed	1921	L1a&b	L02	PSA
196	6854		125	5/5/09	GRV	21:45:00	22:28:17	DSS-15	Global	performed	1922	L1a&b	L02	PSA
197	6857		126	6/5/09	GRV	22:58:00	03:53:53	NNO	Global	successfully performed	1923	L1a&b	L02	PSA
198	6860		127	7/5/09	GRV	21:44:01	00:35:36	NNO	Global	successfully performed	1924	L1a&b	L02	PSA
199	6861		128	8/5/09	GRV	02:47:26	06:44:58	NNO	Global	successfully performed	1925	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

200	6864		128	8/5/09	GRV	23:36:17	03:54:08	NNO	Global	successfully performed	1926	L1a&b	L02	PSA
201	6867		129	9/5/09	GRV	21:44:01	00:31:25	NNO	Global	successfully performed	1927	L1a&b	L02	PSA
202	6868		130	10/5/09	GRV	03:11:02	06:40:58	NNO	Global	successfully performed	1928	L1a&b	L02	PSA
203	6871		130	10/5/09	GRV	23:52:06	04:06:18	NNO	Global	successfully performed	1929	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
204	6875		132	12/5/09	GRV	03:48:00	06:36:59	NNO	Global	successfully performed	1930	L1a&b	L02	PSA
205	6878		132	12/5/09	GRV	23:45:38	04:22:15	NNO	Global	successfully performed	1931	L1a&b	L02	PSA
206	6881		133	13/5/09	GRV	23:52:05	01:04:37	NNO	Global	successfully performed	1932	L1a&b	L02	PSA
207	6885		135	15/5/09	GRV	00:28:09	01:10:00	NNO	Global	successfully performed	1933	L1a&b	L02	PSA
208	6888		135	15/5/09	GRV	23:47:02	01:19:22	NNO	Global	successfully performed	1934	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

209	6889		136	16/5/09	GRV	03:58:24	06:29:58	NNO	Global	successfully performed	1935	L1a&b	L02	PSA
210	6892		137	17/5/09	GRV	00:42:26	04:55:11	NNO	Global	successfully performed	1936	L1a&b	L02	PSA
211	6895		137	17/5/09	GRV	23:51:59	02:02:14	NNO	Global	successfully performed	1937	L1a&b	L02	PSA
212	6896		138	18/5/09	GRV	05:26:34	06:25:58	NNO	Global	successfully performed	1938	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
213	6900		139	19/5/09	GRV	04:05:59	05:35:25	NNO	Global	successfully performed	1939	L1a&b	L02	PSA
214	6902		139	19/5/09	GRV	23:54:06	01:51:22	NNO	Global	successfully performed	1940	L1a&b	L02	PSA
215	6903		140	20/5/09	GRV	04:30:01	06:22:00	NNO	Global	successfully performed	1941	L1a&b	L02	PSA
216	6906		140	20/5/09	GRV	21:58:52	22:59:13	NNO		cancelled by MPS	1942			
217	6906		141	21/5/09	GRV	02:23:03	05:29:27	NNO	Global	successfully performed	1943	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

218	6909		141	21/5/09	GRV	23:51:53	02:08:38	NNO	Global	successfully performed	1944	L1a&b	L02	PSA
219	6913		143	23/5/09	GRV	01:15:38	05:31:51	NNO	Global	successfully performed	1945	L1a&b	L02	PSA
220	6916		143	23/5/09	GRV	23:48:20	02:34:56	NNO	Global	successfully performed	1946	L1a&b	L02	PSA
221	6920		144	24/5/09	GRV	22:11:28	23:19:50	NNO		cancelled by MPS	1947			
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
222	6920		145	25/5/09	GRV	01:18:12	05:58:14	NNO	Global	successfully performed	1948	L1a&b	L02	PSA
223	6927		146	26/5/09	GRV	21:37:55	23:23:43	NNO		cancelled by MPS	1949			
224	6927		147	27/5/09	GRV	02:27:13	06:08:58	NNO	Global	successfully performed	1950	L1a&b	L02	PSA
225	6930		147	27/5/09	GRV	23:06:43	03:06:20	NNO	Global	performed	1951	L1a&b	L02	PSA
226	6934		148	28/5/09	GRV	21:36:58	23:39:39	NNO		cancelled by MPS	1952			

white: planned task  
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 green: task completed

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# Mars Express Radio Science Experiment - Science Operations Logbook

227	6934		149	29/5/09	GRV	02:43:01	06:03:24	NNO	Global	successfully performed	1953	L1a&b	L02	PSA
228	6937		149	29/5/09	GRV	23:44:13	03:14:37	NNO	Global	successfully performed	1954	L1a&b	L02	PSA
229	6941		151	31/5/09	GRV	02:39:43	06:01:58	NNO	Global	successfully performed	1955	L1a&b	L02	PSA
230	6944		151	31/5/09	GRV	23:40:03	03:30:37	NNO	Global	successfully performed	1956	L1a&b	L02	PSA
<b>end of MTP65</b>														
<b>start of MTP66</b>														
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?	
231	6948		153	2/6/09	GRV	03:04:39	05:52:49	NNO	Global	successfully performed	1957	L1a&b	L02	PSA
232	6950		153	2/6/09	GRV	16:56:07	19:48:26	DSS-15	Global	performed	1958	L1a&b	L02	PSA
233	6951		153	2/6/09	GRV	23:29:47	00:27:53	NNO	Global	successfully performed	1959	L1a&b	L02	PSA
234	6954		154	3/6/09	GRV	16:08:11	17:27:54	DSS-15	global	performed	1960	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

235	6955		154	3/6/09	GRV	23:36:11	00:20:50	NNO	Global	successfully performed	1961	L1a&b	L02	PSA
236	6955		155	4/6/09	GRV	02:22:51	03:04:17	NNO	Global	successfully performed	1962	L1a&b	L02	PSA
237	6958		156	5/6/09	GRV	01:44:47	03:59:26	NNO	Global	performed	1963	L1a&b	L02	PSA
238	6961		156	5/6/09	GRV	22:34:13	00:41:00	NNO	Global	successfully performed	1964	L1a&b	L02	PSA
239	6965		158	7/6/09	GRV	02:00:22	04:44:17	NNO	Global	successfully performed	1965	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
240	6967		158	7/6/09	GRV	15:47:51	18:13:52	DSS-15	Global	performed	1966	L1a&b	L02	PSA
241	6968		158	7/6/09	GRV	22:41:25	00:57:01	NNO	Global	successfully performed	1967	L1a&b	L02	PSA
242	6972		160	9/6/09	GRV	02:49:20	05:00:05	NNO	Global	successfully performed	1968	L1a&b	L02	PSA
243	6974		160	9/6/09	GRV	16:11:22	17:24:22	DSS-15	Global	performed	1969	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

244	6975		160	9/6/09	GRV	22:57:17	01:02:16	NNO	Global	successfully performed	1970	L1a&b	L02	PSA
245	6976		161	10/6/09	GRV	02:41:33	03:32:51	NNO	Global	successfully performed	1971	L1a&b	L02	PSA
246	6979		162	11/6/09	GRV	00:33:01	04:47:49	NNO	Global	successfully performed	1972	L1a&b	L02	PSA
247	6982		162	11/6/09	GRV	21:28:52	01:56:36	NNO	Global	successfully performed	1973	L1a&b	L02	PSA
248	6983		163	12/6/09	GRV	04:32:41	05:38:54	NNO	Global	successfully performed	1974	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
249	6986		163	12/6/09	GRV	21:28:08	22:10:00	NNO	Global	successfully performed	1975	L1a&b	L02	PSA
250	6986		164	13/6/09	GRV	00:48:48	04:09:00	NNO	Global	successfully performed	1976	L1a&b	L02	PSA
251	6989		164	13/6/09	GRV	21:28:12	01:44:51	NNO	Global	successfully performed	1977	L1a&b	L02	PSA
252	6993		166	15/6/09	GRV	01:04:40	05:19:46	NNO	Global	successfully performed	1978	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

253	6997		167	16/6/09	GRV	03:51:40	05:31:54	NNO	Global	successfully performed	1979	L1a&b	L02	PSA
254	7000		167	16/6/09	GRV	21:26:17	22:59:33	NNO	Global	successfully performed	1980	L1a&b	L02	PSA
255	7000		168	17/6/09	GRV	00:33:54	05:28:53	NNO	Global	successfully performed	1981	L1a&b	L02	PSA
256	7006		169	18/6/09	GRV	21:26:01	22:38:23	NNO	Global	successfully performed	1982	L1a&b	L02	PSA
257	7010		170	19/6/09	GRV	23:06:14	02:37:00	NNO	Global	successfully performed	1983	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
258	7014		171	20/6/09	GRV	21:55:57	22:54:23	NNO	Global	successfully performed	1984	L1a&b	L02	PSA
259	7014		172	21/6/09	GRV	02:40:59	05:17:31	NNO	Global	successfully performed	1985	L1a&b	L02	PSA
260	7017		172	21/6/09	GRV	23:14:01	02:29:17	NNO	Global	successfully performed	1986	L1a&b	L02	PSA
261	7021		174	23/6/09	GRV	02:57:13	05:17:54	NNO	Global	successfully performed	1987	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

262	7024		174	23/6/09	GRV	23:38:27	03:00:28	NNO	Global	successfully performed	1988	L1a&b	L02	PSA
263	7027		175	24/6/09	GRV	21:24:25	01:03:27	NNO	Global	successfully performed	1989	L1a&b	L02	PSA
264	7032		177	26/6/09	GRV	01:50:17	03:23:51	NNO	Global	successfully performed	1990	L1a&b	L02	PSA
265	7033		177	26/6/09	BSR	10:20:53	12:25:45	DSS-14		successfully performed	1991			PSA
266	7034		177	26/6/09	GRV	21:21:53	00:16:32	NNO	Global	successfully performed	1992	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>		<b>archived?</b>
267	7035		178	27/6/09	GRV	01:54:43	05:10:53	NNO	Global	successfully performed	1993	L1a&b	L02	PSA
268	7037		178	27/6/09	BSR	13:40:37	15:12:37	DSS-14		successfully performed	1994			PSA
269	7038		179	28/6/09	GRV	00:31:44	02:50:16	NNO	Global	successfully performed	1995	L1a&b	L02	PSA
<b>end of MTP66</b>														
<b>start of MTP67</b>														

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# Mars Express Radio Science Experiment - Science Operations Logbook

	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
270	7042		179	28/6/09	GRV	22:21:38	01:04:00	NNO	Global	successfully performed	1996	L1a&b L02	PSA
271	7042		180	29/6/09	GRV	03:45:57	05:07:53	NNO	Global	successfully performed	1997	L1a&b L02	PSA
272	7046		181	30/6/09	GRV	02:33:51	03:52:31	NNO	Global	successfully performed	1998	L1a&b L02	PSA
273	7048		181	30/6/09	GRV	21:36:45	00:27:53	NNO	Global	successfully performed	1999	L1a&b L02	PSA
274	7055		183	2/7/09	GRV	22:09:41	01:35:33	NNO	Target	performed	2000	L1a&b L02	PSA
275	7056		184	3/7/09	GRV	04:17:24	05:00:53	NNO	Global	successfully performed	2001	L1a&b L02	PSA
276	7058		184	3/7/09	BSR	14:29:47	16:30:07	DSS-14		successfully performed	2002		PSA
277	7059		185	4/7/09	GRV	00:07:35	04:59:53	NNO	Global	successfully performed	2003	L1a&b L02	PSA
278	7062		185	4/7/09	BSR	17:52:59	19:49:59	DSS-14		successfully performed	2004		PSA

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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	processed?	archived?
279	7062		185	4/7/09	GRV	23:23:01	01:29:49	NNO	Global	successfully performed	2005	L1a&b L02	PSA
280	7063		186	5/7/09	GRV	03:47:25	04:57:54	NNO	Global	successfully performed	2006	L1a&b L02	PSA
281	7066		187	6/7/09	GRV	00:02:26	04:45:00	NNO	Global	successfully performed	2007	L1a&b L02	PSA
282	7068		187	6/7/09	GRV	11:32:40	12:19:45	DSS-15	Target	successfully performed	2008	L1a&b L02	
283	7073		188	7/7/09	GRV	21:16:36	22:48:12	NNO	Global	successfully performed	2009	L1a&b L02	PSA
284	7074		189	8/7/09	GRV	03:36:56	04:49:04	NNO	Global	successfully performed	2010	L1a&b L02	PSA
285	7076		189	8/7/09	GRV	22:57:29	02:22:45	NNO	Global	successfully performed	2011	L1a&b L02	PSA
286	7080		190	9/7/09	GRV	21:54:30	23:03:58	NNO	Global	successfully performed	2012	L1a&b L02	PSA
287	7080		191	10/7/09	GRV	01:45:37	04:49:53	NNO	Global	successfully performed	2013	L1a&b L02	PSA

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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	processed?	archived?
288	7083		191	10/7/09	GRV	22:01:00	01:52:58	NNO	Global	successfully performed	2014	L1a&b L02	PSA
289	7087		192	11/7/09	GRV	21:15:32	23:19:41	NNO	Global	successfully performed	2015	L1a&b L02	PSA
290	7087		193	12/7/09	GRV	02:01:17	04:46:53	NNO	Global	successfully performed	2016	L1a&b L02	PSA
291	7090		193	12/7/09	BSR	18:42:27	20:47:27	DSS-14		successfully performed	2017		PSA
292	7091		194	13/7/09	GRV	00:12:54	02:54:20	NNO	Global	successfully performed	2018	L1a&b L02	PSA
293	7096		195	14/7/09	GRV	11:31:00	12:30:18	DSS-15	global	successfully performed	2019	L1a&b L02	PSA
294	7096		195	14/7/09	GRV	15:18:45	17:27:54	DSS-15	global	successfully performed	2020	L1a&b L02	PSA
295	7097		195	14/7/09	GRV	21:34:19	22:58:00	NNO	Global	successfully performed	2021	L1a&b L02	PSA
296	7098		196	15/7/09	GRV	01:05:05	02:35:00	NNO	Global	successfully performed	2022	L1a&b L02	PSA

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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	processed?	archived?
297	7106		198	17/7/09	GRV	14:12:30	15:08:54	DSS-14		performed(-)	2023	L1a&b	
298	7106		198	17/7/09	GRV	16:15:57	17:13:25	DSS-14		performed(-)	2024	L1a&b	
299	7107		198	17/7/09	GRV	21:10:46	21:45:11	DSS-14	global	successfully performed	2025	L1a&b L02	PSA
300	7108		199	18/7/09	GRV	03:09:34	04:37:54	NNO	Global	successfully performed	2026	L1a&b L02	PSA
301	7110		199	18/7/09	BSR	12:32:47	14:47:47	DSS-14		successfully performed	2027		PSA
302	7115		201	20/7/09	GRV	03:06:16	04:34:54	NNO	Global	successfully performed	2028	L1a&b L02	PSA
303	7122		203	22/7/09	GRV	03:40:31	04:31:54	NNO	Global	successfully performed	2029	L1a&b L02	PSA
304	7128		204	23/7/09	GRV	21:07:01	00:09:12	NNO	Global	successfully performed	2030	L1a&b L02	PSA
305	7129		205	24/7/09	GRV	02:44:51	03:35:29	NNO	Global	successfully performed	2031	L1a&b L02	PSA

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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	processed?	archived?
306	7130		205	24/7/09	GRV	10:45:02	13:56:37	DSS-15	global	successfully performed	2032	L1a&b L02	PSA
307	7134		206	25/7/09	GRV	13:13:05	14:26:31	DSS-15	global	successfully performed	2033	L1a&b L02	PSA
308	7135		206	25/7/09	GRV	21:55:01	00:32:39	NNO	Global	successfully performed	2034	L1a&b L02	PSA
309	7136		207	26/7/09	GRV	02:20:58	04:25:54	NNO	Global	successfully performed	2035	L1a&b L02	PSA
310	7138		207	26/7/09	GRV	16:12:53	17:05:26	DSS-15	global	successfully performed	2036	L1a&b L02	PSA
<b>end of MTP67</b>													
<b>start of MTP68</b>													
311	7147		210	29/7/09	GRV	03:07:11	03:48:26	NNO	Global	successfully performed	2037	L1a&b L02	PSA
312	7149		210	29/7/09	GRV	21:03:28	00:41:37	NNO	Global	successfully performed	2038	L1a&b L02	PSA
313	7150		211	30/7/09	GRV	03:22:55	04:04:54	NNO	Global	successfully performed	2039	L1a&b L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

314	7151		211	30/7/09	GRV	10:50:12	14:12:54	DSS-15		partially performed	2040	L1a&b		
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?	
315	7157		213	1/8/09	GRV	00:01:02	01:03:53	NNO	Global	successfully performed	2041	L1a&b	L02	PSA
316	7157		213	1/8/09	GRV	03:08:47	04:02:54	NNO	Global	successfully performed	2042	L1a&b	L02	PSA
317	7161		214	2/8/09	GRV	03:14:42	04:00:54	NNO	Global	successfully performed	2043	L1a&b	L02	PSA
318	7163		214	2/8/09	GRV	22:00:11	01:19:15	NNO	Global	successfully performed	2044	L1a&b	L02	PSA
319	7164		215	3/8/09	GRV	03:24:38	03:59:54	NNO	Global	successfully performed	2045	L1a&b	L02	PSA
320	7170		216	4/8/09	GRV	21:46:00	00:12:54	NNO	Global	successfully performed	2046	L1a&b	L02	PSA
321	7173		217	5/8/09	GRV	16:12:06	16:52:06	DSS-15	SouthPolarCap	successfully performed	2047	L1a&b	L02	PSA
322	7174		218	6/8/09	GRV	00:54:58	03:54:53	NNO	Global	successfully performed	2048	L1a&b	L02	PSA

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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	processed?	archived?
323	7180		219	7/8/09	GRV	20:56:36	22:25:47	NNO	Global	successfully performed	2049	L1a&b L02	PSA
324	7181		220	8/8/09	GRV	01:10:36	03:52:54	NNO	Global	successfully performed	2050	L1a&b L02	PSA
325	7184		220	8/8/09	GRV	23:42:02	02:05:42	NNO	Global	successfully performed	2051	L1a&b L02	PSA
326	7190		222	10/8/09	GRV	11:24:18	12:13:20	DSS-15	global	successfully performed	2052	L1a&b L02	PSA
327	7190		222	10/8/09	GRV	14:53:27	15:37:53	DSS-15	global	successfully performed	2053	L1a&b L02	PSA
328	7193		223	11/8/09	GRV	13:26:15	15:48:08	DSS-14	global	successfully performed	2054	L1a&b L02	PSA
329	7194		223	11/8/09	GRV	20:58:42	22:58:28	NNO	Global	successfully performed	2055	L1a&b L02	PSA
330	7196		224	12/8/09	GRV	20:33:46	21:13:46	DSS-15	target	successfully performed	2056	L1a&b L02	PSA
331	7201		225	13/8/09	GRV	20:54:46	23:13:03	NNO	Global	successfully performed	2057	L1a&b L02	PSA

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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	processed?	archived?
332	7202		226	14/8/09	GRV	01:57:31	04:00:54	NNO	Global	successfully performed	2058	L1a&b L02	PSA
333	7203		226	14/8/09	BSR	12:29:34	14:31:57	DSS-14		successfully performed	2059		PSA
334	7205		227	15/8/09	GRV	00:24:01	02:47:53	NNO	Global	successfully performed	2060	L1a&b L02	PSA
335	7209		228	16/8/09	GRV	00:23:59	01:03:59	DSS-45	SouthPolarCap	successfully performed	2061	L1a&b L02	
336	7210		228	16/8/09	GRV	11:28:25	13:24:59	DSS-15	global	successfully performed	2062	L1a&b L02	PSA
337	7212		228	16/8/09	GRV	22:54:20	03:11:13	NNO	Global	successfully performed	2063	L1a&b L02	PSA
338	7223		232	20/8/09	GRV	00:55:33	01:35:33	NNO		failed	2064		
339	7223		232	20/8/09	GRV	02:36:33	03:38:53	NNO	Global	failed	2065		
340	7224		232	20/8/09	GRV	10:29:11	12:29:28	DSS-15	global	successfully performed	2066	L1a&b L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

341	7226		232	20/8/09	GRV	23:42:44	03:35:53	NNO	Global	successfully performed	2067	L1a&b	L02	PSA
	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	processed?	archived?	
342	7231		234	22/8/09	BSR	12:34:48	14:29:48	DSS-14		successfully performed	2068			PSA
343	7233		235	23/8/09	GRV	00:01:24	03:33:53	NNO	Global	successfully performed	2069	L1a&b	L02	PSA
344	7235		235	23/8/09	GRV	13:45:46	14:42:52	NNO		cancelled by MPS	2070			
345	7237		235	23/8/09	GRV	23:51:30	00:54:42	NNO	Global	successfully performed	2071	L1a&b	L02	PSA
<b>end of MTP68</b>														
<b>start of MTP69</b>														
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?	
346	7238		236	24/8/09	GRV	10:19:50	14:40:50	DSS-15	global	successfully performed	2072	L1a&b	L02	PSA
347	7243		237	25/8/09	GRV	21:59:47	22:33:01	NNO	Global	successfully performed	2073	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

348	7243		237	25/8/09	GRV	23:52:47	00:47:55	NNO	Global	successfully performed	2074	L1a&b	L02	PSA
349	7247		239	27/8/09	GRV	00:29:56	01:53:53	NNO	Global	successfully performed	2075	L1a&b	L02	PSA
350	7250		239	27/8/09	GRV	22:02:52	23:07:53	NNO	Global	successfully performed	2076	L1a&b	L02	PSA
351	7252		240	28/8/09	GRV	11:17:41	15:26:34	DSS-15	global	successfully performed	2077	L1a&b	L02	PSA
352	7256		241	29/8/09	GRV	13:56:10	15:42:53	DSS-14	global	successfully performed	2078	L1a&b	L02	PSA
353	7257		241	29/8/09	GRV	22:16:37	23:13:53	NNO	Global	successfully performed	2079	L1a&b	L02	PSA
354	7263		243	31/8/09	GRV	14:01:04	14:27:54	DSS-14	global	successfully performed	2080	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>		<b>archived?</b>
355	7267		244	1/9/09	GRV	20:29:09	21:45:33	NNO	Global	successfully performed	2081	L1a&b	L02	PSA
356	7271		245	2/9/09	GRV	21:36:34	23:25:54	NNO	Global	successfully performed	2082	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

357	7272		246	3/9/09	BSR	03:55:54	05:40:54	DSS-63		successfully performed	2083			PSA
358	7274		246	3/9/09	GRV	20:27:02	22:32:33	NNO	Global	successfully performed	2084	L1a&b	L02	PSA
359	7275		247	4/9/09	GRV	01:32:12	03:19:53	NNO	Global	successfully performed	2085	L1a&b	L02	PSA
360	7276		247	4/9/09	GRV	10:46:51	12:19:46	DSS-15	global	successfully performed	2086	L1a&b	L02	PSA
361	7278		247	4/9/09	GRV	21:52:24	23:31:54	NNO	global	successfully performed	2087	L1a&b	L02	PSA
362	7280		248	5/9/09	GRV	10:39:52	11:19:43	DSS-14	global	successfully performed	2088	L1a&b	L02	PSA
363	7280		248	5/9/09	GRV	12:45:29	14:27:53	DSS-14	global	successfully performed	2089	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>		<b>archived?</b>
364	7281		248	5/9/09	GRV	20:22:52	22:55:00	NNO	Global	successfully performed	2090	L1a&b	L02	PSA
365	7282		249	6/9/09	GRV	01:48:01	03:17:57	NNO	Global	successfully performed	2091	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

366	7285		249	6/9/09	GRV	21:12:31	23:38:53	NNO	Target	successfully performed	2092	L1a&b	L02	
367	7289		251	8/9/09	GRV	02:12:40	03:15:56	NNO	Global	successfully performed	2093	L1a&b	L02	PSA
368	7291		251	8/9/09	GRV	11:44:09	12:37:40	NNO		cancelled by MPS	2094			
369	7296		253	10/9/09	GRV	02:19:43	03:12:53	NNO	Global	successfully performed	2095	L1a&b	L02	PSA
370	7297		253	10/9/09	GRV	10:26:25	13:14:18	DSS-15	global	successfully performed	2096	L1a&b	L02	PSA
371	7299		253	10/9/09	GRV	22:40:02	23:51:53	NNO	Global	partially performed	2097	L1a&b	L02	PSA
372	7303		254	11/9/09	GRV	22:46:16	23:42:59	NNO	Global	successfully performed	2098	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
373	7303		255	12/9/09	GRV	02:35:36	03:10:54	NNO	Global	successfully performed	2099	L1a&b	L02	PSA
	7304		255	12/9/09	BSR	12:57:06	14:53:06	DSS-14		successfully performed	2179			PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

374	7306		255	12/9/09	GRV	23:16:45	23:57:53	NNO	Global	successfully performed	2100	L1a&b	L02	PSA
375	7307		256	13/9/09	BSR	09:37:04	11:42:04	DSS-14		successfully performed	2101			PSA
	7309		256	13/9/09	GRV	20:10:58	23:44:48	NNO	Global	successfully performed	2180	L1a&b	L02	PSA
	7311		257	14/9/09	GRV	11:01:01	13:39:27	DSS-14	global	successfully performed	2181	L1a&b	L02	PSA
376	7313		257	14/9/09	GRV	23:11:45	00:04:53	NNO	Global	successfully performed	2102	L1a&b	L02	PSA
377	7316		258	15/9/09	GRV	20:07:34	00:08:53	NNO	Global	successfully performed	2103	L1a&b	L02	PSA
378	7320		259	16/9/09	GRV	23:27:36	23:55:11	NNO	Global	successfully performed	2104	L1a&b	L02	PSA
	7322		260	17/9/09	BSR	13:06:00	13:46:00	DSS-14		successfully performed	1894			PSA
379	7323		260	17/9/09	GRV	20:08:43	00:14:53	NNO	Global	successfully performed	2105	L1a&b	L02	PSA
380	7327		261	18/9/09	GRV	20:02:53	21:11:53	NNO	Global	successfully performed	2106	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

381	7327		262	19/9/09	GRV	00:04:19	03:01:53	NNO	Global	successfully performed	2107	L1a&b	L02	PSA
	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	processed?		archived?
382	7330		262	19/9/09	GRV	20:45:32	00:47:28	NNO	Global	successfully performed	2108	L1a&b	L02	PSA
<b>end of MTP69</b>														
<b>start of MTP70</b>														
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?		archived?
383	7333		263	20/9/09	GRV	13:39:54	14:30:55	DSS-14	global	performed	2109	L1a&b	L02	PSA
384	7333		263	20/9/09	OCC	17:35:31	20:02:35	DSS-14		successfully performed	2110	L1a&b	L02	
385	7334		264	21/9/09	GRV	00:29:08	01:25:28	NNO	Global	successfully performed	2111	L1a&b	L02	PSA
386	7334		264	21/9/09	OCC	02:32:16	02:54:01	NNO		successfully performed	2112	L1a&b	L02	PSA
387	7337		264	21/9/09	OCC	23:08:44	23:30:28	NNO		successfully performed	2113	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

388	7338		265	22/9/09	GRV	00:31:37	01:14:20	NNO	Global	successfully performed	2114	L1a&b	L02	PSA
389	7341		265	22/9/09	GRV	23:49:33	01:19:31	NNO	Global	successfully performed	2115	L1a&b	L02	PSA
390	7341		266	23/9/09	OCC	02:39:37	03:01:17	NNO		successfully performed	2116	L1a&b	L02	PSA
391	7344		266	23/9/09	OCC	23:18:44	23:40:26	NNO		successfully performed	2117	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>		<b>archived?</b>
392	7345		267	24/9/09	GRV	00:47:32	01:30:20	NNO	Global	successfully performed	2118	L1a&b	L02	PSA
393	7346		267	24/9/09	GRV	10:58:39	13:08:50	DSS-15	global	successfully performed	2119	L1a&b	L02	
394	7348		268	25/9/09	GRV	00:46:03	01:50:21	NNO	Global	successfully performed	2120	L1a&b	L02	PSA
395	7351		268	25/9/09	OCC	23:31:32	23:53:13	NNO		successfully performed	2121	L1a&b	L02	PSA
396	7352		269	26/9/09	GRV	04:00:49	04:37:53	DSS-63		performed(-)	2122	L1a&b		

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# Mars Express Radio Science Experiment - Science Operations Logbook

397	7354		269	26/9/09	OCC	20:11:54	20:33:34	NNO		cancelled by MPS	2123			
398	7355		270	27/9/09	GRV	01:02:01	02:04:26	NNO	Global	successfully performed	2124	L1a&b	L02	PSA
399	7356		270	27/9/09	GRV	09:14:01	10:02:32	DSS-15	global	successfully performed	2125	L1a&b	L02	
400	7358		270	27/9/09	GRV	21:43:02	22:25:53	NNO	Global	successfully performed	2126	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
401	7358		270	27/9/09	OCC	23:45:48	00:07:26	NNO		successfully performed	2127	L1a&b	L02	PSA
402	7362		272	29/9/09	GRV	01:17:55	03:03:54	NNO	Global	successfully performed	2128	L1a&b	L02	PSA
403	7365		272	29/9/09	GRV	22:03:54	22:41:38	NNO	Global	successfully performed	2129	L1a&b	L02	PSA
404	7365		273	30/9/09	OCC	00:01:39	00:22:42	NNO		successfully performed	2130	L1a&b	L02	PSA
405	7367		273	30/9/09	GRV	11:18:20	13:27:52	DSS-15	global	successfully performed	2131	L1a&b	L02	

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# Mars Express Radio Science Experiment - Science Operations Logbook

406	7369		274	1/10/09	GRV	01:33:48	02:34:38	NNO	Global	successfully performed	2132	L1a&b L02	PSA
407	7369		274	1/10/09	OCC	03:36:32	03:57:29	NNO		cancelled by MPS	2133		
408	7370		274	1/10/09	GRV	09:24:01	10:33:24	DSS-15		performed	2134	L1a&b	
409	7372		274	1/10/09	GRV	22:24:47	22:57:30	NNO	Global	successfully performed	2135	L1a&b L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>
410	7372		275	2/10/09	OCC	00:17:51	00:38:45	NNO		successfully performed	2136	L1a&b L02	PSA
411	7374		275	2/10/09	GRV	11:55:01	13:06:37	DSS-15		failed	2137		
412	7376		276	3/10/09	GRV	01:49:40	02:50:30	NNO	Global	successfully performed	2138	L1a&b L02	PSA
413	7376		276	3/10/09	OCC	03:58:38	04:13:44	NNO		cancelled by MPS	2139		
414	7379		276	3/10/09	GRV	22:35:42	23:13:36	NNO	Global	successfully performed	2140	L1a&b L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

415	7379		277	4/10/09	OCC	00:34:04	00:55:19	NNO		successfully performed	2141	L1a&b	L02	PSA
416	7381		277	4/10/09	GRV	12:28:10	13:03:47	DSS-15	global	successfully performed	2142	L1a&b	L02	PSA
417	7381		277	4/10/09	OCC	14:21:25	14:42:52	DSS-15	global	successfully performed	2143	L1a&b	L02	PSA
418	7382		277	4/10/09	OCC	21:15:05	21:36:32	NNO		successfully performed	2144	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
419	7383		278	5/10/09	GRV	02:05:29	02:55:52	NNO	Global	successfully performed	2145	L1a&b	L02	PSA
420	7384		278	5/10/09	GRV	09:13:58	10:30:07	DSS-15	global	successfully performed	2146	L1a&b	L02	PSA
421	7386		278	5/10/09	GRV	22:51:42	23:30:38	NNO	global	successfully performed	2147	L1a&b	L02	PSA
422	7386		279	6/10/09	OCC	00:50:47	01:12:24	NNO		successfully performed	2148	L1a&b	L02	PSA
423	7388		279	6/10/09	GRV	12:34:15	13:19:54	DSS-15	global	successfully performed	2149	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

424	7389		279	6/10/09	OCC	21:32:34	21:54:10	NNO		cancelled by MPS	2150			
425	7390		280	7/10/09	GRV	01:51:40	02:52:52	NNO	Global	successfully performed	2151	L1a&b	L02	PSA
426	7391		280	7/10/09	GRV	09:03:11	10:19:41	NNO		cancelled by MPS	2152			
427	7391		280	7/10/09	OCC	11:20:29	11:42:05	NNO		cancelled by MPS	2153			
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
428	7393		280	7/10/09	GRV	23:07:55	23:48:22	NNO	Global	successfully performed	2154	L1a&b	L02	PSA
429	7393		281	8/10/09	OCC	01:08:29	01:30:04	NNO		successfully performed	2155	L1a&b	L02	PSA
430	7396		281	8/10/09	OCC	21:50:27	22:12:05	NNO		successfully performed	2156	L1a&b	L02	PSA
431	7400		282	9/10/09	GRV	23:19:07	00:06:23	NNO	Global	successfully performed	2157	L1a&b	L02	PSA
432	7400		283	10/10/09	OCC	01:26:29	01:48:05	NNO		successfully performed	2158	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

433	7402		283	10/10/09	GRV	13:02:31	13:52:14	DSS-15	global	successfully performed	2159	L1a&b	L02	PSA
434	7402		283	10/10/09	OCC	15:14:41	15:36:16	DSS-15		cancelled by MPS	2160			
435	7403		283	10/10/09	OCC	22:08:40	22:30:17	NNO		successfully performed	2161	L1a&b	L02	PSA
436	7406		284	11/10/09	BSR	15:33:14	17:21:14	DSS-14		successfully performed	2162			PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
437	7407		284	11/10/09	GRV	23:40:18	00:12:54	NNO	Global	successfully performed	2163	L1a&b	L02	PSA
438	7409		285	12/10/09	GRV	12:06:13	14:08:21	DSS-15	global	successfully performed	2164	L1a&b	L02	
439	7410		285	12/10/09	OCC	22:27:06	22:48:42	NNO		successfully performed	2165	L1a&b	L02	PSA
440	7412		286	13/10/09	GRV	10:04:02	11:14:22	DSS-15	global	successfully performed	2166	L1a&b	L02	PSA
441	7412		286	13/10/09	OCC	12:15:17	12:36:54	DSS-15		successfully performed	2167	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

442	7416		287	14/10/09	GRV	13:38:51	14:24:33	DSS-15	global	successfully performed	2168	L1a&b	L02	PSA
443	7423		289	16/10/09	GRV	14:00:03	14:40:45	DSS-15	global	successfully performed	2169	L1a&b	L02	PSA
444	7424		289	16/10/09	GRV	20:48:51	21:44:45	NNO	Global	successfully performed	2170	L1a&b	L02	PSA
445	7424		289	16/10/09	OCC	23:04:46	23:26:23	NNO		successfully performed	2171	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>	<b>archived?</b>	
446	7427		290	17/10/09	GRV	14:56:12	17:43:52	DSS-14	global	successfully performed	2172	L1a&b	L02	PSA
447	7427		290	17/10/09	OCC	19:47:21	20:08:58	NNO		successfully performed	2173	L1a&b	L02	PSA
448	7428		291	18/10/09	GRV	01:14:35	02:36:52	NNO	Global	successfully performed	2174	L1a&b	L02	PSA
449	7430		291	18/10/09	BSR	11:21:20	12:49:38	DSS-14		successfully performed	2175			PSA
450	7430		291	18/10/09	BSR	13:44:37	15:19:37	NNO		cancelled by MPS	2176			

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# Mars Express Radio Science Experiment - Science Operations Logbook

451	7431		291	18/10/09	GRV	21:16:58	22:01:29	NNO	Global	successfully performed	2177	L1a&b	L02	PSA
452	7431		291	18/10/09	OCC	23:23:57	23:45:37	NNO		successfully performed	2178	L1a&b	L02	PSA
<b>end of MTP70</b>														
<b>start of MTP71</b>														
	orbit number	DSN tracking number	day of year	date	MaRS activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?		archived?
453	7433		292	19/10/09	OCC	10:34:14	13:34:17	DSS-15		successfully performed	2182	L1a&b	L02	PSA
454	7433		292	19/10/09	GRV	10:34:14	13:34:17	DSS-15		successfully performed	2225	L1a&b	L02	PSA
455	7434		292	19/10/09	GRV	17:41:32	19:57:52	NNO		cancelled by MPS	2183			
456	7435		293	20/10/09	GRV	00:35:23	02:34:54	NNO	Global	successfully performed	2184	L1a&b	L02	PSA
457	7438		293	20/10/09	OCC	23:10:44	00:05:19	NNO		successfully performed	2185	L1a&b	L02	PSA
458	7438		293	20/10/09	GRV	21:16:44	23:10:44	NNO		successfully performed	2226	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

459	7440		294	21/10/09	OCC	10:59:39	13:53:40	DSS-15		failed	2186			
460	7440		294	21/10/09	GRV	10:59:39	13:53:40	DSS-15		failed	2227			
461	7442		295	22/10/09	GRV	00:07:49	02:30:51	NNO	Global	successfully performed	2187	L1a&b	L02	PSA
	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	processed?		archived?
462	7443		295	22/10/09	OCC	08:51:01	10:36:19	DSS-15		successfully performed	2188	L1a&b	L02	PSA
463	7443		295	22/10/09	GRV	08:51:01	10:36:19	DSS-15		successfully performed	2228	L1a&b	L02	PSA
464	7445		295	22/10/09	OCC	21:28:28	00:24:50	NNO		successfully performed	2189	L1a&b	L02	PSA
465	7445		295	22/10/09	GRV	21:28:28	00:24:50	NNO	Global	successfully performed	2229	L1a&b	L02	PSA
466	7448		296	23/10/09	OCC	13:51:12	14:13:12	NNO		cancelled by MPS	2190			
467	7449		297	24/10/09	GRV	01:08:07	02:27:53	NNO	Global	successfully performed	2191	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

468	7450		297	24/10/09	OCC	08:46:06	10:55:49	DSS-15		successfully performed	2192	L1a&b	L02	PSA
469	7450		297	24/10/09	GRV	08:46:06	10:55:49	DSS-15	global	successfully performed	2230	L1a&b	L02	PSA
470	7451		297	24/10/09	GRV	14:11:40	15:37:52	DSS-15	global	successfully performed	2193	L1a&b	L02	PSA
	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	processed?	archived?	
471	7452		297	24/10/09	OCC	21:49:20	00:44:25	NNO		successfully performed	2194	L1a&b	L02	PSA
472	7452		297	24/10/09	GRV	21:49:20	00:44:25	NNO	Global	successfully performed	2231	L1a&b	L02	PSA
473	7456		299	26/10/09	OCC	03:59:20	04:21:20	CEB		successfully performed	2222	L1a&b	L02	PSA
474	7457		299	26/10/09	GRV	08:25:28	10:47:53	DSS-14	global	successfully performed	2195	L1a&b	L02	PSA
475	7459		299	26/10/09	OCC	22:01:03	01:04:03	NNO		successfully performed	2196	L1a&b	L02	PSA
476	7459		299	26/10/09	GRV	22:01:03	01:04:03	NNO	Global	successfully performed	2232	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

477	7462		300	27/10/09	OCC	19:50:38	21:46:48	NNO		successfully performed	2197	L1a&b	L02	PSA
478	7462		300	27/10/09	GRV	19:50:38	21:46:48	NNO	Global	successfully performed	2233	L1a&b	L02	PSA
479	7463		301	28/10/09	GRV	01:36:10	02:20:54	NNO	Global	successfully performed	2198	L1a&b	L02	PSA
	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	processed?		archived?
480	7463		301	28/10/09	OCC	04:19:11	04:41:11	CEB		successfully performed	2223	L1a&b	L02	PSA
481	7466		301	28/10/09	OCC	22:17:23	01:23:50	NNO		successfully performed	2199	L1a&b	L02	PSA
482	7466		301	28/10/09	GRV	22:17:23	01:23:50	NNO	Global	successfully performed	2234	L1a&b	L02	PSA
483	7468		302	29/10/09	GRV	12:04:55	13:14:50	DSS-15		performed(-)	2200			
484	7469		302	29/10/09	OCC	19:32:01	22:06:38	NNO		successfully performed	2201	L1a&b	L02	PSA
485	7469		302	29/10/09	GRV	19:32:01	22:06:38	NNO	Global	successfully performed	2235	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

486	7470		303	30/10/09	OCC	04:39:03	05:01:03	CEB		successfully performed	2224	L1a&b	L02	PSA
487	7473		303	30/10/09	OCC	22:33:39	01:43:43	NNO		successfully performed	2202	L1a&b	L02	PSA
488	7473		303	30/10/09	GRV	22:33:39	01:43:43	NNO	Global	successfully performed	2236	L1a&b	L02	PSA
	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	processed?	archived?	
489	7475		304	31/10/09	OCC	08:19:47	08:38:02	NNO		cancelled by MPS	2203			
490	7475		304	31/10/09	GRV	12:25:49	13:30:57	DSS-15		performed(-)	2204			
491	7476		304	31/10/09	OCC	19:19:39	22:26:34	NNO		successfully performed	2205	L1a&b	L02	PSA
492	7476		304	31/10/09	GRV	19:19:39	22:26:34	NNO	Global	successfully performed	2237	L1a&b	L02	PSA
493	7480		305	1/11/09	OCC	18:57:33	19:09:33	NNO		cancelled by MPS	2206			
494	7480		305	1/11/09	OCC	22:54:35	02:03:44	NNO		successfully performed	2207	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

495	7480		305	1/11/09	GRV	22:54:35	02:03:44	NNO	Global	successfully performed	2238	L1a&b	L02	PSA
496	7483		306	2/11/09	OCC	19:35:50	22:46:33	NNO		successfully performed	2208	L1a&b	L02	PSA
497	7483		306	2/11/09	GRV	19:35:50	22:46:33	NNO	Global	successfully performed	2239	L1a&b	L02	PSA
	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	processed?		archived?
498	7487		307	3/11/09	OCC	22:11:14	02:22:52	NNO		successfully performed	2209	L1a&b	L02	PSA
499	7487		307	3/11/09	GRV	22:11:14	02:22:52	NNO	Global	successfully performed	2240	L1a&b	L02	PSA
500	7490		308	4/11/09	OCC	20:01:09	23:06:39	NNO		successfully performed	2210	L1a&b	L02	PSA
501	7490		308	4/11/09	GRV	20:01:09	23:06:39	NNO	Global	successfully performed	2241	L1a&b	L02	PSA
502	7494		309	5/11/09	OCC	19:27:34	19:49:34	NNO		cancelled by MPS	2211			
503	7494		309	5/11/09	GRV	22:43:00	02:03:53	NNO	Global	successfully performed	2212	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

504	7497		310	6/11/09	OCC	20:33:58	23:26:44	NNO		successfully performed	2213	L1a&b	L02	PSA
505	7497		310	6/11/09	GRV	20:33:58	23:26:44	NNO	Global	successfully performed	2242	L1a&b	L02	PSA
506	7501		311	7/11/09	GRV	23:38:51	02:00:52	NNO	Global	successfully performed	2214	L1a&b	L02	PSA
	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	processed?	archived?	
507	7504		312	8/11/09	OCC	20:20:01	23:46:53	NNO		successfully performed	2215	L1a&b	L02	PSA
508	7504		312	8/11/09	GRV	20:20:01	23:46:53	NNO	Global	successfully performed	2243	L1a&b	L02	PSA
509	7508		313	9/11/09	GRV	23:50:31	01:55:52	NNO	Global	successfully performed	2216	L1a&b	L02	PSA
510	7511		314	10/11/09	OCC	19:56:34	00:06:58	NNO		successfully performed	2217	L1a&b	L02	PSA
511	7511		314	10/11/09	GRV	19:56:34	00:06:58	NNO	Global	successfully performed	2244	L1a&b	L02	PSA
512	7514		315	11/11/09	OCC	18:35:40	20:49:43	NNO		successfully performed	2218	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

513	7514		315	11/11/09	GRV	18:35:40	20:49:43	NNO	Global	successfully performed	2245	L1a&b	L02	PSA
514	7518		316	12/11/09	OCC	22:39:11	00:26:59	NNO		successfully performed	2219	L1a&b	L02	PSA
515	7518		316	12/11/09	GRV	22:39:11	00:26:59	NNO	Global	successfully performed	2246	L1a&b	L02	PSA
	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	processed?		archived?
516	7528		319	15/11/09	GRV	17:54:42	20:27:53	NNO	Global	successfully performed	2220	L1a&b	L02	PSA

**end of MTP71**

## additional NN12 measurements

	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	processed?		archived?
	7535		321	17/11/09	GRV	18:08:00	20:38:00	NNO	Global	partially performed	2247	L1a&b	L02	PSA
	7539		322	18/11/09	GRV	17:35:00	19:05:00	NNO	Global	partially performed	2248	L1a&b	L02	PSA
	7542		323	19/11/09	GRV	18:30:00	21:00:00	NNO	Global	partially performed	2249	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

	7546		324	20/11/09	GRV	17:30:00	19:00:00	NNO	Global	successfully performed	2250	L1a&b	L02	PSA
	7549		325	21/11/09	GRV	19:40:00	22:10:00	NNO	Global	successfully performed	2251	L1a&b	L02	PSA
	7552		326	22/11/09	GRV	17:20:00	19:50:00	NNO	Global	successfully performed	2252	L1a&b	L02	PSA
	7553		326	22/11/09	GRV	23:20:00	01:50:00	NNO	Global	successfully performed	2253	L1a&b	L02	PSA
	7559		328	24/11/09	GRV	17:10:00	19:40:00	NNO	Global	successfully performed	2254	L1a&b	L02	PSA
	7563		329	25/11/09	GRV	19:15:00	20:45:00	NNO	Global	successfully performed	2255	L1a&b	L02	PSA
	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	processed?	archived?	
	7566		330	26/11/09	GRV	17:05:00	19:35:00	NNO	Global	partially performed	2256	L1a&b	L02	PSA
	7570		331	27/11/09	GRV	19:35:00	21:05:00	NNO	Global	partially performed	2257	L1a&b	L02	PSA
	7574		332	28/11/09	GRV	18:55:00	21:25:00	NNO	Global	partially performed	2258	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

	7574		333	29/11/09	GRV	00:10:00	02:40:00	NNO	Global	partially performed	2259	L1a&b	L02	PSA
	7577		333	29/11/09	GRV	20:50:00	23:20:00	NNO	Global	partially performed	2260	L1a&b	L02	PSA
	7622		346	12/12/09	GRV	19:20:00	21:50:00	NNO	Global	partially performed	2261	L1a&b	L02	PSA
	7625		347	13/12/09	GRV	16:10:00	18:40:00	NNO	Global	partially performed	2262	L1a&b	L02	PSA
	7626		347	13/12/09	GRV	23:00:00	01:30:00	NNO	Global	partially performed	2263	L1a&b	L02	PSA
	7632		349	15/12/09	GRV	16:10:00	18:40:00	NNO	Global	partially performed	2264	L1a&b	L02	PSA
	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	processed?	archived?	
	7639		351	17/12/09	GRV	16:30:00	19:00:00	NNO	Global	partially performed	2265	L1a&b	L02	PSA
	7640		351	17/12/09	GRV	23:30:00	02:00:00	NNO	Global	partially performed	2266	L1a&b	L02	PSA
	7646		353	19/12/09	GRV	17:00:00	19:30:00	NNO	Global	partially performed	2267	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

	7651		354	20/12/09	GRV	21:50:00	00:20:00	NNO	Global	partially performed	2268	L1a&b	L02	PSA
	7657		356	22/12/09	GRV	15:40:00	17:40:00	NNO	Global	partially performed	2269	L1a&b	L02	PSA
	7658		356	22/12/09	GRV	22:10:00	00:40:00	NNO	Global	partially performed	2270	L1a&b	L02	PSA
	7660		357	23/12/09	GRV	17:20:00	19:50:00	NNO	Global	partially performed	2271	L1a&b	L02	PSA
	7664		358	24/12/09	GRV	15:30:00	18:00:00	NNO	Global	partially performed	2272	L1a&b	L02	PSA
	7664		358	24/12/09	GRV	21:00:00	23:30:00	NNO	Global	partially performed	2273	L1a&b	L02	PSA
	<b>orbit number</b>	<b>DSN tracking number</b>	<b>day of year</b>	<b>date</b>	<b>MaRS activity</b>	<b>start time (UT) planned/ actual</b>	<b>stop time (UT) planned/ actual</b>	<b>ground station</b>	<b>target; coordinates</b>	<b>performed? cancelled?</b>	<b>Volume-ID</b>	<b>processed?</b>		<b>archived?</b>
	7667		359	25/12/09	GRV	17:40:00	20:10:00	NNO	Global	partially performed	2274	L1a&b	L02	PSA
	7671		360	26/12/09	GRV	21:20:00	23:50:00	NNO	Global	partially performed	2275	L1a&b	L02	PSA
	7674		361	27/12/09	GRV	18:00:00	20:30:00	NNO	Global	partially performed	2276	L1a&b	L02	PSA

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# Mars Express Radio Science Experiment - Science Operations Logbook

	7677		362	28/12/09	GRV	15:10:00	17:10:00	NNO	Global	partially performed	2277	L1a&b	L02	PSA
	7682		363	29/12/09	GRV	19:40:00	22:10:00	NNO	Global	partially performed	2278	L1a&b	L02	PSA
	7685		364	30/12/09	GRV	16:20:00	18:50:00	NNO	Global	partially performed	2279	L1a&b	L02	PSA
	7685		364	30/12/09	GRV	21:50:00	00:10:00	NNO	Global	partially performed	2280	L1a&b	L02	PSA
	7688		365	31/12/09	GRV	18:30:00	21:00:00	NNO	Global	partially performed	2281	L1a&b	L02	PSA

white: planned task

grey: status of operation to be checked

yellow: task to be completed

green: task completed

dark red: task failed or cancelled after ESOC PTR

light red: task cancelled by ESOC PTR