

Mars Express Radio Science Experiment - Science Operation Logbook

Mars Express Radio Science Experiment - Science Operation 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?	
<b>Start MTP 193</b>													
1	19228		074	15/3/19	OCC	9:46:03	10:08:03	NNO		performed	3977	L1a&b L02	
2	19252		081	22/3/19	OCC	9:23:17	9:45:17	NNO		performed	3978	L1a&b L02	
3	19251		081	22/3/19	OCC	2:24:09	02:46:09	DSS-14		successfully performed	3979	L1a&b L02	
<b>End MTP 193</b>													
<b>Start MTP 194</b>													
4	19257		082	23/3/19	OCC	20:18:44	20:40:44	DSS-65		successfully performed	3980	L1a&b L02	
5	19269		086	27/3/19	OCC	8:08:06	08:30:06	NNO		performed	3981	L1a&b L02	
6	19276		088	29/3/19	OCC	9:02:00	09:24:00	NNO		performed	3982	L1a&b L02	
7	19286		091	1/4/19	OCC	6:53:25	07:15:25	NNO		performed	3983	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?	
8	19293		093	3/4/19	OCC	7:47:33	08:09:33	NNO		performed	3984	L1a&b L02	
9	19300		095	5/4/19	OCC	8:41:39	09:03:47	NNO		successfully performed	3985	L1a&b L02	
10	19303		096	6/4/19	OCC	5:39:21	06:01:21	DSS-43		successfully performed	3986	L1a&b L02	
11	19305		096	6/4/19	OCC	19:37:40	19:59:40	DSS-14		successfully performed	3987	L1a&b L02	
12	19307		097	7/4/19	OCC	9:36:00	09:58:00	NNO		successfully performed	3988	L1a&b L02	
13	19308		097	7/4/19	OCC	16:35:12	16:57:12	DSS-63		successfully performed	3989	L1a&b L02	
14	19312		098	8/4/19	OCC	20:31:54	20:53:54	DSS-63		successfully performed	3990	L1a&b L02	
15	19315		099	9/4/19	OCC	17:29:26	17:51:26	DSS-65		successfully performed	3991	L1a&b L02	
16	19324		102	12/4/19	OCC	8:21:57	08:43:57	NNO		successfully performed	3992	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?	
17			104	14/4/19	OCC	16:15:12	16:37:12	DSS-63		failed	3993	L1a&b	
18	19334		105	15/4/19	OCC	6:13:34	06:35:34	NNO		successfully performed	3994	L1a&b L02	
19	19341		107	17/4/19	OCC	7:07:42	07:29:42	NNO		successfully performed	3995	L1a&b L02	

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20	19343		107	17/4/19	OCC	21:06:02	21:28:02	DSS-63		successfully performed	3996	L1a&b	L02
<b>End MTP 194</b>													
<b>Start MTP 195</b>													
21	19351		110	20/4/19	OCC	4:59:17	05:21:17	DSS-43		successfully performed	3997	L1a&b	L02
22	19362		113	23/4/19	OCC	9:50:10	10:12:10	NNO		successfully performed	3998	L1a&b	L02
23	19379		118	28/4/19	OCC	8:36:10	08:58:10	NNO		successfully performed	3999	L1a&b	L02
24	19386		120	30/4/19	OCC	9:30:22	09:52:22	NNO		successfully performed	4000	L1a&b	L02
25	19398		123	3/5/19	OCC	21:20:15	21:42:16	MLG		successfully performed	4001	L1a&b	L02
	<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>
26	19406		126	6/5/19	OCC	5:13:20	05:35:20	DSS-43		successfully performed	4002	L1a&b	L02
27	19408		126	6/5/19	OCC	19:11:41	19:33:41	MLG		successfully performed	4003	L1a&b	L02
28	19422		130	10/5/19	OCC	20:59:35	21:21:35	MLG		performed(-)	4004	L1a&b	L02
29	19432		133	13/5/19	OCC	18:51:00	19:13:00	MLG		successfully performed	4005	L1a&b	L02
30	19444		137	17/5/19	OCC	6:40:57	07:02:57	NNO		successfully performed	4006	L1a&b	L02
<b>End MTP 195</b>													
<b>Start MTP 196</b>													
31	19446		137	17/5/19	OCC	20:39:13	21:01:13	MLG		successfully performed	4007	L1a&b	L02
32	19447		138	18/5/19	OCC	3:38:21	04:00:21	DSS-43		successfully performed	4008	L1a&b	L02
33	19451		139	19/5/19	OCC	7:35:03	07:57:03	NNO		successfully performed	4009	L1a&b	L02
34	19458		141	21/5/19	OCC	8:29:05	08:51:05	NNO		successfully performed	4010	L1a&b	L02
	<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>
35	19461		142	22/5/19	OCC	5:26:28	05:48:28	NNO		successfully performed	4011	L1a&b	L02
36	19468		144	24/5/19	OCC	6:20:22	06:42:22	NNO		successfully performed	4012	L1a&b	L02
37	19470		144	24/5/19	OCC	20:18:41	20:40:41	DSS-65		successfully performed	4013	L1a&b	L02
38	19475		146	26/5/19	OCC	7:14:12	07:36:12	NNO		successfully performed	4014	L1a&b	L02
39	19542		165	14/6/19	OCC	19:15:18	19:37:18	MLG		successfully performed	4015	L1a&b	L02
<b>End MTP 196</b>													
<b>Start MTP 197</b>													

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40			169	18/6/19	OCC	7:04:16	07:26:16	NNO		successfully performed	4016	L1a&b	L02
41			172	21/6/19	OCC	18:53:26	19:15:26	MLG		failed	4017	L1a&b	L02
42	19573		174	23/6/19	OCC	19:47:08	20:09:08	CEB		successfully performed	4018	L1a&b	L02
43	19575		175	24/6/19	OCC	9:45:18	10:07:18	DSS-65		successfully performed	4019	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?
44	19583		177	26/6/19	OCC	17:38:24	18:00:24	CEB		successfully performed	4020	L1a&b	L02
45			178	27/6/19	OCC	14:35:45	14:57:46	CEB		failed	4021	L1a&b	L02
46	19598		182	1/7/19	OCC	02:25:18	02:47:18	DSS-14		successfully performed	4022	L1a&b	L02
<b>End MTP 197</b>													
<b>Start MTP 198</b>													
47	19684		207	26/7/19	OCC	03:07:29	03:29:29	DSS-43		successfully performed	4023	L1a&b	L02
48	19691		209	28/7/19	OCC	4:01:17	4:23:17	DSS-43		successfully performed	4024	L1a&b	L02
49			216	4/8/19	SCO	13:25:49	16:56:30	DSS-65		successfully performed	4025	L1a&b	L02
50			221	9/8/19	SCO	10:54:16	15:29:57	DSS-65		failed	4026		
<b>End MTP 198</b>													
<b>Start MTP 199</b>													
51			222	10/8/19	SCO	2:24:18	5:16:19	DSS-43		successfully performed	4027	L1a&b	L02
52			223	11/8/19	SCO	6:16:22	9:04:22	NNO		successfully performed	4028	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?
53			223	11/8/19	SCO	12:57:07	15:17:24	DSS-65		failed	4029		
54			224	12/8/19	SCO	1:39:20	5:53:53	DSS-43		successfully performed	4030	L1a&b	L02
55			226	14/8/19	SCO	23:54:22	4:25:08	DSS-43		successfully performed	4031	L1a&b	L02
56			228	16/8/19	SCO	2:58:03	8:20:14	NNO		successfully performed	4032	L1a&b	L02
57			229	17/8/19	SCO	0:24:24	5:10:13	DSS-43		successfully performed	4033	L1a&b	L02
58			229	17/8/19	SCO	7:54:24	12:09:08	DSS-65		successfully performed	4034	L1a&b	L02
59			230	18/8/19	SCO	5:58:24	9:07:10	NNO		performed	4035	L1a&b	L02

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60			231	19/8/19	SCO	1:24:26	5:59:57	DSS-43		successfully performed	4036	L1a&b L02	
61			231	19/8/19	SCO	8:14:26	12:49:57	DSS-65		successfully performed	4037	L1a&b L02	
62	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?
63			231	19/8/19	SCO	15:44:26	20:00:43	DSS-14		successfully performed	4038	L1a&b L02	
64			235	23/8/19	SCO	2:55:32	7:44:28	NNO		performed	4039	L1a&b L02	
65			235	23/8/19	SCO	23:59:28	4:34:57	DSS-43		successfully performed	4040	L1a&b L02	
66			237	25/8/19	SCO	5:36:45	8:45:28	NNO		successfully performed	4041	L1a&b L02	
67			238	26/8/19	SCO	1:55:16	5:03:59	NNO		successfully performed	4042	L1a&b L02	
68			240	28/8/19	SCO	1:47:29	4:56:58	NNO		successfully performed	4043	L1a&b L02	
69			241	29/8/19	SCO	0:26:52	3:28:05	NNO		successfully performed	4044	L1a&b L02	
70			242	30/8/19	SCO	2:30:01	4:50:31	NNO		successfully performed	4045	L1a&b L02	
71			243	31/8/19	SCO	0:22:26	4:21:02	NNO		successfully performed	4046	L1a&b L02	
72			245	2/9/19	SCO	0:52:28	3:27:29	NNO		successfully performed	4047	L1a&b L02	
72	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?
			246	3/9/19	SCO	0:30:01	2:15:15	NNO		successfully performed	4048	L1a&b L02	

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73			247	4/9/19	SCO	1:26:07	4:35:36	NNO		successfully performed	4049	L1a&b L02	
74			248	5/9/19	SCO	0:12:24	3:12:11	NNO		successfully performed	4050	L1a&b L02	
75			249	6/9/19	SCO	2:06:20	4:30:22	NNO		successfully performed	4051	L1a&b L02	
76			250	7/9/19	SCO	0:56:52	4:05:38	NNO		successfully performed	4052	L1a&b L02	
<b>End MTP 199</b>													
<b>Start MTP 200</b>													
77			251	8/9/19	SCO	4:52:55	8:01:42	NNO		performed	4053	L1a&b L02	
78			252	9/9/19	SCO	1:13:44	4:22:30	NNO		successfully performed	4054	L1a&b L02	
79			254	11/9/19	SCO	22:24:22	3:09:14	DSS-43		successfully performed	4055	L1a&b L02	
80			256	13/9/19	SCO	1:41:23	4:12:45	NNO		successfully performed	4056	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?
81			256	13/9/19	SCO	23:52:11	3:43:10	NNO		successfully performed	4057	L1a&b L02	
82			257	14/9/19	SCO	7:16:23	8:43:09	NNO		successfully performed	4058	L1a&b L02	
83			258	15/9/19	SCO	4:30:40	7:39:32	NNO		successfully performed	4059	L1a&b L02	
84			258	15/9/19	SCO	10:09:18	14:26:15	DSS-63		successfully performed	4060	L1a&b L02	
85			259	16/9/19	SCO	1:45:35	4:26:24	NNO		successfully performed	4061	L1a&b L02	
86			259	16/9/19	SCO	6:28:56	8:54:11	NNO		successfully performed	4062	L1a&b L02	
87			261	18/9/19	SCO	3:39:43	5:30:15	NNO		successfully performed	4063	L1a&b L02	
88			261	18/9/19	SCO	21:59:14	2:14:06	DSS-43		successfully performed	4064	L1a&b L02	
89			263	20/9/19	SCO	1:15:45	2:44:57	DSS-43		successfully performed	4065	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?
90			263	20/9/19	SCO	22:29:12	3:04:57	DSS-43		successfully performed	4066	L1a&b L02	

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91			264	21/9/19	SCO	5:12:47	8:49:49	NNO		successfully performed	4067	L1a&b	L02
92			265	22/9/19	SCO	4:08:21	7:10:14	NNO		successfully performed	4068	L1a&b	L02
93			265	22/9/19	SCO	11:09:05	13:18:28	DSS-63		successfully performed	4069	L1a&b	L02
94			266	23/9/19	SCO	1:38:55	4:04:42	NNO		successfully performed	4070	L1a&b	L02
95			266	23/9/19	SCO	5:55:37	8:47:58	NNO		successfully performed	4071	L1a&b	L02
96			268	25/9/19	SCO	21:24:02	1:59:57	DSS-43		successfully performed	4072	L1a&b	L02
97			270	27/9/19	SCO	23:19:24	2:57:40	NNO		successfully performed	4073	L1a&b	L02
98			272	29/9/19	SCO	2:09:56	6:54:22	NNO		successfully performed	4074	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?
99			272	29/9/19	SCO	9:38:56	12:12:41	DSS-63		successfully performed	4075	L1a&b	L02
100			272	29/9/19	SCO	23:14:54	3:01:14	NNO		successfully performed	4076	L1a&b	L02
101			274	1/10/19	SCO	4:37:41	7:47:46	NNO		successfully performed	4077	L1a&b	L02
102			274	1/10/19	SCO	23:36:37	3:35:34	NNO		successfully performed	4078	L1a&b	L02
103			276	3/10/19	SCO	3:24:07	6:33:32	NNO		successfully performed	4079	L1a&b	L02
104			278	5/10/19	SCO	1:22:40	2:35:41	NNO		successfully performed	4080	L1a&b	L02
105			278	5/10/19	SCO	4:30:45	8:36:42	NNO		successfully performed	4081	L1a&b	L02
<b>End MTP 200</b>													
<b>Start MTP 201</b>													
106			279	6/10/19	OCC	3:22:00	6:32:00	NNO		successfully performed	4082	L1a&b	L02
107			280	7/10/19	OCC	5:25:00	8:25:00	NNO		successfully performed	4083	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?
108			285	12/10/19	OCC	6:23:57	6:50:11	NNO		successfully performed	4084	L1a&b	L02
109			286	13/10/19	OCC	3:32:52	4:03:01	NNO		successfully performed	4085	L1a&b	L02
110			287	14/10/19	OCC	7:28:45	7:59:31	NNO		successfully performed	4086	L1a&b	L02
111			290	17/10/19	OCC	23:50:54	1:20:14	NNO		failed	4087	L1a&b	

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112			293	20/10/19	OCC	3:13:53	3:41:42	NNO		successfully performed	4088	L1a&b	L02
113			294	21/10/19	OCC	1:34:03	1:52:35	NNO		successfully performed	4089	L1a&b	L02
<b>End MTP 201</b>													
<b>Start MTP 202</b>													
114			313	9/11/19	OCC	5:21:48	5:40:59	NNO		successfully performed	4090	L1a&b	L02
115			320	16/11/19	OCC	6:49:48	7:16:30	NNO		successfully performed	4091	L1a&b	L02
116			328	24/11/19	OCC	3:13:36	3:40:15	NNO		failed	4092	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?
117			328	24/11/19	OCC	23:58:32	0:40:16	NNO		successfully performed	4093	L1a&b	L02
118			330	26/11/19	OCC	4:11:45	4:31:39	NNO		failed	4094		
<b>End MTP 202</b>													
<b>Start MTP 203</b>													
119			340	6/12/19	OCC	0:41:58	1:04:03	NNO		successfully performed	4095	L1a&b	L02
120			340	6/12/19	OCC	14:40:13	15:02:13	DSS-14		successfully performed	4096	L1a&b	L02
121			341	7/12/19	OCC	11:37:28	11:59:28	DSS-63		successfully performed	4097	L1a&b	L02
122			342	8/12/19	OCC	22:32:52	22:55:00	NNO		successfully performed	4098	L1a&b	L02
123			343	9/12/19	OCC	12:31:15	12:53:15	DSS-63		successfully performed	4099	L1a&b	L02
124			347	13/12/19	OCC	0:21:08	0:43:16	NNO		successfully performed	4100	L1a&b	L02
125			349	15/12/19	OCC	15:14:10	15:36:10	DSS-14		successfully performed	4101	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?
126			349	15/12/19	OCC	22:13:12	22:35:20	NNO		successfully performed	4102	L1a&b	L02
127			354	20/12/19	OCC	7:01:54	7:24:02	NNO		successfully performed	4103	L1a&b	L02
<b>End MTP 203</b>													
<b>Start MTP 204</b>													

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# Mars Express Radio Science Experiment - Science Operation Logbook

## keywords

MaRS activity	ground station	performed? cancelled?	processed?	archived?
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BSR	CAN	unknown		
GRV	NNO	successfully p	L1a&b	internal
OCE	MAD	performed	L1a&b	L02 PSA
OCI	GST	performed(-)		
PHO	DSS-14	partially performed		
	MLG			
SCO	DSS-15	cancelled by DSN		
OCN	CEB	cancelled by MPS		
OCX	DSS-25	failed		
OCC	DSS-43			
TWOD-X	DSS-45			
	DSS-63			
	DSS-65			
	GST (MAD)			
	MAD (GST)			

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  
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# Mars Express Radio Science Experiment - Science Operation Logbook

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