

Venus Express Radio Science Experiment - Science Operations Logbook

Earth Occultation #12													
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
1	2081		001	1/1/12	OCC	8:07:25	9:35:26	NNO		successfully performed	0549	L1a&b L2	
2	2082		002	2/1/12	OCC	8:06:03	9:32:29	NNO		successfully performed	0550	L1a&b L2	
3	2083		003	3/1/12	OCC	8:04:40	9:29:29	NNO		successfully performed	0551	L1a&b L2	
4	2084		004	4/1/12	OCC	8:03:17	9:26:28	NNO		successfully performed	0552	L1a&b L2	
5	2085		005	5/1/12	OCC	8:01:54	9:23:25	NNO		successfully performed	0553	L1a&b L2	
6	2086		006	6/1/12	OCC	8:00:31	9:20:22	NNO		successfully performed	0554	L1a&b L2	
7	2087		007	7/1/12	OCC	7:58:32	9:16:50	NNO		successfully performed	0555	L1a&b L2	
Drag Campaign #7													
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
	2082		002	2/1/12	DRAG			DSN		cancelled by MPS			

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9	2083		003	3/1/12	DRAG			DSN		cancelled by MPS			
10	2084		004	4/1/12	DRAG			DSN		cancelled by MPS			
11	2085		005	5/1/12	DRAG			DSN		cancelled by MPS			
12	2086		006	6/1/12	DRAG			DSN		cancelled by MPS			
13	2087		007	7/1/12	DRAG			DSN		cancelled by MPS			
	2088		008	8/1/12	DRAG	16:11:38	16:36:43	CEB		unknown	0556		
			008	8/1/12	DRAG	18:03:07	18:57:16	CEB		unknown	0557		
9	2089		009	9/1/12	DRAG	6:20:05	9:59:31	NNO		unknown	0558		
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
			009	9/1/12	DRAG	11:10:53	16:38:47	CEB		unknown	0569		
			009	9/1/12	DRAG	18:05:05	19:00:04	CEB		unknown	0570		
10	2090		010	10/1/12	DRAG	6:18:50	10:09:31	NNO		unknown	0559		

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			010	10/1/12	DRAG	11:09:42	16:41:45	CEB		unknown	0571		
			010	10/1/12	DRAG	18:08:01	19:02:46	CEB		unknown	0572		
11	2091		011	11/1/12	DRAG	6:17:41	10:15:57	NNO		unknown	0560		
			011	11/1/12	DRAG	11:08:28	16:44:41	CEB		unknown	0573		
			011	11/1/12	DRAG	18:10:58	19:05:25	CEB		unknown	0574		
12	2092		012	12/1/12	DRAG	6:16:19	10:14:34	NNO		unknown	0561		
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
			012	12/1/12	DRAG	11:07:12	16:46:39	CEB		unknown	0575		
			012	12/1/12	DRAG	18:12:55	19:08:03	CEB		unknown	0576		
13	2093		013	13/1/12	DRAG	6:14:56	10:13:10	NNO		unknown	0562		
			013	13/1/12	DRAG	11:05:53	16:49:37	CEB		unknown	0577		
			013	13/1/12	DRAG	18:15:53	19:10:39	CEB		unknown	0578		

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14	2094		014	14/1/12	DRAG			DSN		unknown	0563		
15	2095		015	15/1/12	DRAG			DSN		unknown	0564		
16	2096		016	16/1/12	DRAG			DSN		unknown	0565		
17	2097		017	17/1/12	DRAG			DSN		unknown	0566		
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
18	2098		018	18/1/12	DRAG			DSN		unknown	0567		
19	2099		019	19/1/12	DRAG			DSN		unknown	0568		

Earth Occultation #13

	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
20	2167		087	27/3/12	OCC	5:51:24	6:59:17	NNO		successfully performed	0579	L1a&b L2	
21	2168		088	28/3/12	OCC	5:49:39	6:57:59	NNO		successfully performed	0580	L1a&b L2	
22	2169		089	29/3/12	OCC	5:47:53	6:56:44	NNO		successfully performed	0581	L1a&b L2	

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Venus Express Radio Science Experiment - Science Operations Logbook

23	2170		090	30/3/12	OCC	5:46:08	6:27:05	NNO		successfully performed	0582	L1a&b L2	
24	2171		091	31/3/12	OCC	5:44:21	6:54:11	NNO		successfully performed	0583	L1a&b L2	
25	2172		092	1/4/12	OCC	5:42:34	6:23:53	NNO		successfully performed	0584	L1a&b L2	
26	2173		093	2/4/12	OCC	5:40:47	6:51:39	NNO		successfully performed	0585	L1a&b L2	
27	2174		094	3/4/12	OCC	5:38:59	6:20:42	NNO		successfully performed	0586	L1a&b L2	
28	2176		096	5/4/12	OCC	5:35:24	6:47:51	NNO		successfully performed	0587	L1a&b L2	
29	2178		098	7/4/12	OCC			NNO		cancelled by MPS	0588		
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
30	2180		100	9/4/12	OCC	5:28:15	6:42:47	NNO		successfully performed	0589	L1a&b L2	
31	2182		102	11/4/12	OCC	5:24:41	6:08:01	NNO		successfully performed	0590	L1a&b L2	
32	2184		104	13/4/12	OCC	5:21:11	6:37:44	NNO		successfully performed	0591	L1a&b L2	
33	2186		106	15/4/12	OCC	5:17:42	6:35:57	NNO		successfully performed	0592	L1a&b L2	

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34	2188		108	17/4/12	OCC	5:14:15	6:32:37	NNO		successfully performed	0593	L1a&b L2	
35	2190		110	19/4/12	OCC	5:10:52	5:55:47	NNO		successfully performed	0594	L1a&b L2	
36	2192		112	21/4/12	OCC	5:07:31	6:27:34	NNO		successfully performed	0595	L1a&b L2	
37	2194		114	23/4/12	OCC	5:04:14	5:49:51	NNO		successfully performed	0596	L1a&b L2	
Drag Campaign #8 & OCC#13													
38	2196		116	25/4/12	OCC	5:01:00	6:22:28	NNO		successfully performed	0597	L1a&b L2	
	2197		117	26/4/12	DRAG					unknown	0598		
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
39	2198		118	27/4/12	OCC	4:57:50	6:19:57	NNO		successfully performed	0599	L1a&b L2	
	2199		119	28/4/12	DRAG					unknown	0600		
40	2200		120	29/4/12	OCC	4:54:44	6:17:22	NNO		successfully performed	0601	L1a&b L2	

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	2201		121	30/4/12	OCC	4:53:52	6:16:46	NNO		successfully performed	0602	L1a&b L2	
41	2202		122	1/5/12	OCC	4:51:41	6:14:57	NNO		successfully performed	0603	L1a&b L2	
	2203		123	2/5/12	DRAG					cancelled by MPS	0604		
42	2204		124	3/5/12	OCC	4:48:41	6:12:17	NNO		successfully performed	0605	L1a&b L2	
43	2205		125	4/5/12	OCC	4:47:13	6:10:57	NNO		successfully performed	0606	L1a&b L2	
44	2206		126	5/5/12	OCC	4:45:46	6:10:02	NNO		successfully performed	0607	L1a&b L2	
46	2208		128	7/5/12	OCC	4:34:45	5:22:03	NNO		successfully performed	0609	L1a&b L2	
47	2209		129	8/5/12	OCC	4:27:04	5:14:05	NNO		successfully performed	0610	L1a&b L2	
48	2210		130	9/5/12	OCC	4:22:59	5:48:31	NNO		successfully performed	0611	L1a&b L2	
49	2211		131	10/5/12	OCC	4:18:56	5:06:04	NNO		successfully performed	0612	L1a&b L2	
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50	2212		132	11/5/12	OCC	4:14:53	5:02:05	NNO		successfully performed	0613	L1a&b L2	
51	2213		133	12/5/12	OCC	4:10:52	5:36:42	NNO		successfully performed	0614	L1a&b L2	
52	2214		134	13/5/12	OCC	4:06:51	4:54:07	NNO		successfully performed	0615	L1a&b L2	
53	2215		135	14/5/12	OCC	4:02:51	4:50:08	NNO		successfully performed	0616	L1a&b L2	
54	2216		136	15/5/12	OCC	3:58:54	5:24:53	NNO		successfully performed	0617	L1a&b L2	
55	2217		137	16/5/12	OCC	3:54:56	4:42:15	NNO		successfully performed	0618	L1a&b L2	
56	2218		138	17/5/12	OCC	3:50:59	4:38:18	NNO		successfully performed	0619	L1a&b L2	
57	2219		139	18/5/12	OCC	3:47:05	5:13:04	NNO		successfully performed	0620	L1a&b L2	
58	2220		140	19/5/12	OCC	3:43:10	4:30:27	NNO		successfully performed	0621	L1a&b L2	
59	2221		141	20/5/12	OCC	3:39:18	4:26:34	NNO		successfully performed	0622	L1a&b L2	
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
60	2222		142	21/5/12	OCC	3:35:26	4:17:25	NNO		successfully performed	0623	L1a&b L2	

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61	2223		143	22/5/12	OCC	3:31:36	4:18:48	NNO		successfully performed	0624	L1a&b L2	
62	2224		144	23/5/12	OCC	3:27:47	4:14:56	NNO		successfully performed	0625	L1a&b L2	
63	2226		146	25/5/12	OCC	3:20:13	4:45:31	NNO		successfully performed	0626	L1a&b L2	
64	2228		148	27/5/12	OCC	3:12:46	3:59:35	NNO		successfully performed	0627	L1a&b L2	
65	2230		150	29/5/12	OCC	3:05:24	4:29:48	NNO		successfully performed	0628	L1a&b L2	
66	2232		152	31/5/12	OCC	2:58:09	3:44:34	NNO		successfully performed	0629	L1a&b L2	
67	2234		154	2/6/12	OCC	2:50:59	4:14:07	NNO		successfully performed	0630	L1a&b L2	
68	2236		156	4/6/12	OCC			NNO		cancelled by MPS	0631		
69	2238		158	6/6/12	OCC			NNO		cancelled by MPS			
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
70	2240		160	8/6/12	OCC	2:29:59	3:14:52	NNO		successfully performed	0632	L1a&b L2	

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71	2243		163	11/6/12	OCC	2:19:38	3:38:56	NNO		successfully performed	0633	L1a&b L2	
72	2246		166	14/6/12	OCC	2:08:44	2:52:59	NNO		performed	0634	L1a&b L2	
73	2248		168	16/6/12	OCC	2:02:16	3:19:28	NNO		successfully performed	0635	L1a&b L2	
74	2250		170	18/6/12	OCC	1:55:12	2:36:19	NNO		successfully performed	0636	L1a&b L2	
75	2252		172	20/6/12	OCC	1:48:03	3:03:58	NNO		successfully performed	0637	L1a&b L2	
76	2254		174	22/6/12	OCC	1:40:47	2:20:31	NNO		successfully performed	0638	L1a&b L2	
77	2255		175	23/6/12	OCC	1:37:06	2:52:22	NNO		successfully performed	0639	L1a&b L2	
78	2256		176	24/6/12	OCC	1:33:24	2:43:29	NNO		successfully performed	0640	L1a&b L2	
79	2257		177	25/6/12	OCC	1:29:40	2:39:37	NNO		successfully performed	0641	L1a&b L2	
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
80	2258		178	26/6/12	OCC	1:25:54	2:35:46	NNO		successfully performed	0642	L1a&b L2	
81	2259		179	27/6/12	OCC	1:22:05	2:31:54	NNO		successfully performed	0643	L1a&b L2	

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82	2260		180	28/6/12	OCC	1:18:15	2:28:03	NNO		unknown	0644	L1a&b L2	
83	2261		181	29/6/12	OCC	1:14:23	2:24:12	NNO		successfully performed	0645	L1a&b L2	
84	2262		182	30/6/12	OCC	1:10:30	2:20:21	NNO		successfully performed	0646	L1a&b L2	
85	2263		183	1/7/12	OCC	1:16:56	2:13:01	NNO		successfully performed	0647	L1a&b L2	
86	2264		184	2/7/12	OCC	0:59:04	2:09:06	NNO		successfully performed	0648	L1a&b L2	
87	2265		185	3/7/12	OCC	0:55:01	2:10:11	NNO		successfully performed	0649	L1a&b L2	
88	2266		186	4/7/12	OCC	0:50:55	2:01:16	NNO		successfully performed	0650	L1a&b L2	
	2268		188	6/7/12	OCC	0:42:38	1:24:37	NNO		successfully performed	0608	L1a&b L2	
89	2270		190	8/7/12	OCC	0:34:16	1:45:36	NNO		successfully performed	0651	L1a&b L2	
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
90	2272		192	10/7/12	OCC	0:25:46	1:09:31	NNO		successfully performed	0652	L1a&b L2	
91	2274		194	12/7/12	OCC	0:17:12	1:02:09	NNO		successfully performed	0653	L1a&b L2	

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92	2276		196	14/7/12	OCC	0:08:34	0:53:04	NNO		successfully performed	0654	L1a&b L2	
93	2278		198	16/7/12	OCC	0:03:39	1:18:05	NNO		successfully performed	0655	L1a&b L2	
94	2280		200	18/7/12	OCC	0:02:27	0:47:48	NNO		successfully performed	0656	L1a&b L2	
95	2282		202	20/7/12	OCC	0:01:12	1:17:35	NNO		successfully performed	0657	L1a&b L2	
96	2284		203	21/7/12	OCC	23:59:57	1:22:18	NNO		successfully performed	0658	L1a&b L2	
97	2286		205	23/7/12	OCC	23:58:40	1:22:07	NNO		successfully performed	0659	L1a&b L2	
98	2288		207	25/7/12	OCC	23:57:23	1:21:43	NNO		successfully performed	0660	L1a&b L2	
99	2290		209	27/7/12	OCC	23:56:07	1:13:39	NNO		successfully performed	0661	L1a&b L2	
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
100	2292		211	29/7/12	OCC	23:54:51	1:21:10	NNO		successfully performed	0662	L1a&b L2	
101	2294		213	31/7/12	OCC	23:53:37	1:21:07	NNO		successfully performed	0663	L1a&b L2	
102	2296		215	2/8/12	OCC	23:52:25	0:41:46	NNO		successfully performed	0664	L1a&b L2	

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103	2298		217	4/8/12	OCC	23:51:16	1:20:37	NNO		successfully performed	0665	L1a&b L2	
104	2300		219	6/8/12	OCC	23:50:10	0:40:17	NNO		successfully performed	0666	L1a&b L2	
105	2302		221	8/8/12	OCC	23:49:07	1:20:05	NNO		successfully performed	0667	L1a&b L2	
106	2304		223	10/8/12	OCC	23:48:09	0:38:58	NNO		successfully performed	0668	L1a&b L2	
107	2306		225	12/8/12	OCC	23:47:15	1:19:33	NNO		successfully performed	0669	L1a&b L2	
Drag Campaign #9 & OCC#13 (only TRQ measurements are no longer implemented in this logbook). Please check synoptic table for TRQ only measurements													
45	2307		227	14/8/12	DRAG			NNO		unknown			
108	2308		227	14/8/12	OCC	23:46:27	1:19:49	NNO		successfully performed	0670	L1a&b L2	
109	2310		229	16/8/12	OCC	23:45:43	1:18:53	NNO		performed	0671	L1a&b L2	
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
110	2312		231	18/8/12	OCC	23:45:05	1:18:49	NNO		performed(-)	0672	L1a&b L2	
111	2315		234	21/8/12	OCC	23:44:19	1:18:18	NNO		successfully performed	0673	L1a&b L2	

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112	2318		237	24/8/12	OCC	23:43:47	1:17:44	NNO		successfully performed	0674	L1a&b L2	
113	2321		240	27/8/12	OCC	23:43:28	0:19:12	NNO		successfully performed	0675	L1a&b L2	
114	2324		244	31/8/12	OCC			NNO		cancelled by MPS	0676		
115	2326		245	1/9/12	OCC	23:43:00	0:18:07	NNO		successfully performed	0677	L1a&b L2	
116	2328		247	3/9/12	OCC	23:43:44	1:16:03	NNO		successfully performed	0678	L1a&b L2	
117	2330		249	5/9/12	OCC	23:44:03	0:18:52	NNO		successfully performed	0679	L1a&b L2	
118	2332		251	7/9/12	OCC	23:44:30	1:15:25	NNO		successfully performed	0680	L1a&b L2	
119	2334		254	10/9/12	OCC			NNO		cancelled by MPS	0681		
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
120	2336		255	11/9/12	OCC	23:45:22	1:15:17	NNO		successfully performed	0682	L1a&b L2	
121	2338		258	14/9/12	OCC			NNO		cancelled by MPS	0683		
122	2340		259	15/9/12	OCC	23:57:15	1:24:48	NNO		successfully performed	0684	L1a&b L2	

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123	2342		262	18/9/12	OCC	0:03:19	0:50:48	NNO		successfully performed	0685	L1a&b L2	
124	2344		264	20/9/12	OCC	0:09:30	1:34:09	NNO		successfully performed	0686	L1a&b L2	
125	2346		266	22/9/12	OCC	0:15:45	1:01:50	NNO		successfully performed	0687	L1a&b L2	
126	2348		268	24/9/12	OCC	0:22:06	1:43:36	NNO		successfully performed	0688	L1a&b L2	
127	2350		270	26/9/12	OCC	0:28:29	1:13:05	NNO		successfully performed	0689	L1a&b L2	
128	2352		272	28/9/12	OCC	0:34:55	1:53:04	NNO		successfully performed	0690	L1a&b L2	
129	2354		274	30/9/12	OCC	0:41:22	1:24:30	NNO		successfully performed	0691	L1a&b L2	
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
130	2356		276	2/10/12	OCC	0:47:50	2:02:33	NNO		successfully performed	0692	L1a&b L2	
131	2357		277	3/10/12	OCC			NNO		cancelled by MPS			
132	2358		278	4/10/12	OCC	0:54:16	2:07:18	NNO		successfully performed	0694	L1a&b L2	
133	2359		279	5/10/12	OCC			NNO		cancelled by MPS			

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134	2360		280	6/10/12	OCC	1:00:39	2:12:02	NNO		successfully performed	0696	L1a&b L2	
Drag Campaign #10 (4.-15.12.2012)													
Earth Occultation OCC#14 (30.12.12 - 15.02.13)													
	orbit number	DSN tracking number	day of year	date	VeRa activity	start time (UT) planned/ actual	stop time (UT) planned/ actual	ground station	target; coordinates	performed? cancelled?	Volume-ID	processed?	archived?
140	2445		365	30/12/12	OCC	4:35:32	5:59:57	NNO		successfully performed	0693	L1a&b L2	
141	2446		366	31/12/12	OCC	4:27:32	5:53:57	NNO		successfully performed	0695	L1a&b L2	

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