

## Venus Express Radio Science Experiment - Science Operations Logbook

Drag Measurements #3													
	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	1403		053	22/2/10	OCC	00:00:00	23:59:00	DSS-43		performed	0321	L1a&b	
2	1404		054	23/2/10	OCC	00:00:00	23:59:00	NNO		successfully performed	0322	L1a&b L2	
			054	23/2/10	OCC	09:03:00	16:46:00	CEB		successfully performed	0385	L1a&b L2	
3	1405		055	24/2/10	OCC	00:00:00	23:59:00	DSS-43		performed	0323	L1a&b	
4	1406		056	25/2/10	OCC	00:00:00	23:59:00	DSS-43		performed	0324	L1a&b	
5	1407		057	26/2/10	OCC	00:00:00	23:59:00	DSS-43		performed	0325	L1a&b	
6	1408		058	27/2/10	OCC	00:00:00	23:59:00	NNO		successfully performed	0326	L1a&b L2	
7	1409		059	28/2/10	OCC	00:00:00	23:59:00	DSS-43		performed	0327	L1a&b	
8	1451		101	11/4/10	OCC	00:00:00	23:59:00	NNO		successfully performed	0328	L1a&b L2	
9	1452		102	12/4/10	OCC	00:00:00	23:59:00	NNO	white: planned task	successfully performed	0329	L1a&b L2	

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

## Venus Express Radio Science Experiment - Science Operations Logbook

10	1453		103	13/4/10	OCC	00:00:00	23:59:00	NNO		successfully performed	0330	L1a&b L2	
11	1454		104	14/4/10	OCC	00:00:00	23:59:00	NNO		successfully performed	0331	L1a&b L2	
12	1455		105	15/4/10	OCC	00:00:00	23:59:00	NNO		successfully performed	0332	L1a&b L2	
13	1456		106	16/4/10	OCC	00:00:00	23:59:00	NNO		successfully performed	0333	L1a&b L2	

### Gravity # 11 2010

	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?
14	1461		111	21/4/10	GRV	00:00:00	23:59:00	DSS-14		cancelled by MPS			
15	1463		113	23/4/10	GRV	00:00:00	23:59:00	DSS-14		cancelled by MPS			
16	1465		115	25/4/10	GRV	00:00:00	23:59:00	DSS-14		cancelled by MPS			

### OCC # 9 2010

	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?
17	1470		120	30/4/10	OCC	04:47:00	06:00:00	NNO		successfully performed	0334	L1a&b L2	

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18	1471		121	1/5/10	OCC	04:47:00	06:01:00	NNO		successfully performed	0335	L1a&b L2
19	1473		123	3/5/10	OCC	04:48:00	06:04:00	NNO		successfully performed	0336	L1a&b L2
20	1474		124	4/5/10	OCC	04:48:00	06:05:00	NNO		successfully performed	0337	L1a&b L2
21	1476		126	6/5/10	OCC	04:49:18	06:08:26	NNO		successfully performed	0338	L1a&b L2
22	1477		127	7/5/10	OCC	04:49:00	06:09:00	NNO		successfully performed	0339	L1a&b L2
23	1479		129	9/5/10	OCC	04:49:00	06:12:00	NNO		successfully performed	0340	L1a&b L2
24	1481		131	11/5/10	OCC	04:50:51	06:14:55	NNO		successfully performed	0341	L1a&b L2
25	1483		133	13/5/10	OCC	04:51:07	06:17:27	NNO		successfully performed	0342	L1a&b L2
26	1485		135	15/5/10	OCC	04:52:01	06:20:04	NNO		successfully performed	0343	L1a&b L2
27	1487		137	17/5/10	OCC	00:00:00	23:59:00	NNO		cancelled by MPS		
	1488		138	18/5/10	OCC	04:53:36	06:23:57	NNO		partially performed	0344	L1a&b L2
28	1489		139	19/5/10	OCC	04:54:12	06:25:15	NNO		partially performed	0345	L1a&b L2

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29	1492		142	22/5/10	OCC	04:56:19	06:29:13	NNO		successfully performed	0346	L1a&b L2
30	1495		145	25/5/10	OCC	00:00:00	23:59:00	NNO		cancelled by MPS		
	1496		146	26/5/10	OCC	04:59:34	06:34:25	NNO		successfully performed	0347	L1a&b L2
31	1500		150	30/5/10	OCC	00:00:00	23:59:00	NNO		cancelled by MPS		
32	1501		151	31/5/10	OCC	05:04:36	06:40:53	NNO		partially performed	0348	L1a&b L2
33	1503		153	2/6/10	OCC	05:06:00	06:43:00	NNO		successfully performed	0349	L1a&b L2
34	1506		156	5/6/10	OCC	05:10:46	06:47:26	NNO		performed	0350	L1a&b L2
35	1509		159	8/6/10	OCC	05:14:56	06:51:17	NNO		successfully performed	0351	L1a&b L2
36	1512		162	11/6/10	OCC	00:00:00	23:59:00	NNO		cancelled by MPS		
	1513		163	12/6/10	OCC	05:21:00	06:56:00	NNO		successfully performed	0352	L1a&b L2
37	1515		165	14/6/10	OCC	05:13:00	06:59:00	DSS-34		performed	0353	L1a&b
38	1517		167	16/6/10	OCC	04:55:00	07:05:00	DSS-34		performed	0354	L1a&b

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39	1519		169	18/6/10	OCC	00:00:00	23:59:00	DSN		failed	0355		
40	1521		171	20/6/10	OCC	05:35:00	07:06:00	NNO		successfully performed	0356	L1a&b	L2
41	1523		173	22/6/10	OCC	05:39:10	07:09:17	NNO		successfully performed	0357	L1a&b	L2
42	1525		175	24/6/10	OCC	00:00:00	23:59:00	DSN		failed	0358		
43	1527		177	26/6/10	OCC	00:00:00	23:59:00	DSS-34		performed	0359	L1a&b	
44	1529		179	28/6/10	OCC	00:00:00	23:59:00	DSN		cancelled by DSN	0360		
45	1531		181	30/6/10	OCC	00:00:00	23:59:00	DSN		failed	0361		
46	1532		182	1/7/10	OCC	00:00:00	23:59:00	DSS-45		performed	0362	L1a&b	
47	1533		183	2/7/10	OCC	00:00:00	23:59:00	DSS-45		performed	0363	L1a&b	
48	1534		184	3/7/10	OCC	00:00:00	23:59:00	DSS-45		performed	0364	L1a&b	
49	1535		185	4/7/10	OCC	00:00:00	23:59:00	DSS-34		performed	0365	L1a&b	
50	1536		186	5/7/10	OCC	00:00:00	23:59:00	DSS-34		performed	0366	L1a&b	

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51	1537		187	6/7/10	OCC	00:00:00	23:59:00	DSN		failed	0367		
52	1538		188	7/7/10	OCC	00:00:00	23:59:00	DSS-34		performed	0368	L1a&b	
53	1539		189	8/7/10	OCC	00:00:00	23:59:00	DSS-45		performed	0369	L1a&b	
54	1540		190	9/7/10	OCC	00:00:00	23:59:00	DSS-43		performed	0370	L1a&b	
55	1541		191	10/7/10	OCC	00:00:00	23:59:00	DSS-43		performed	0371	L1a&b	
56	1542		192	11/7/10	OCC	00:00:00	23:59:00	DSS-45		performed	0372	L1a&b	
<b>Gravity # 12 2010</b>													
	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?
57	1545		195	14/7/10	GRV	00:00:00	23:59:00	DSS-15		cancelled by MPS			
58	1547		197	16/7/10	GRV	00:00:00	23:59:00	DSS-15		cancelled by MPS			
59	1549		199	18/7/10	GRV	00:00:00	23:59:00	DSS-15		cancelled by MPS			
60	1551		201	20/7/10	GRV	00:00:00	23:59:00	DSS-15	white: planned task	cancelled by MPS			

grey: status of operation to be checked  
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## Venus Express Radio Science Experiment - Science Operations Logbook

Drag Measurements #4													
	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?
61	1589		239	27/8/10	OCC	00:00:00	23:59:00	DSS-15		cancelled by MPS			
62	1590		240	28/8/10	OCC	00:00:00	23:59:00	DSS-15		cancelled by MPS			
63	1591		241	29/8/10	OCC	00:00:00	23:59:00	DSS-15		cancelled by MPS			
64	1592		242	30/8/10	OCC	00:00:00	23:59:00	DSS-15		cancelled by MPS			
65	1593		243	31/8/10	OCC	00:00:00	23:59:00	DSS-15		cancelled by MPS			
66	1594		244	1/9/10	OCC	00:00:00	23:59:00	DSS-15		cancelled by MPS			
67	1595		245	2/9/10	OCC	00:00:00	23:59:00	NNO		cancelled by MPS			
68	1596		246	3/9/10	OCC	00:00:00	23:59:00	NNO		cancelled by MPS			
69	1597		247	4/9/10	OCC	00:00:00	23:59:00	NNO		cancelled by MPS			
70	1598		248	5/9/10	OCC	00:00:00	23:59:00	NNO	Note: planned task	cancelled by MPS			

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

## Venus Express Radio Science Experiment - Science Operations Logbook

71	1599		249	6/9/10	OCC	00:00:00	23:59:00	NNO		cancelled by MPS		
72	1600		250	7/9/10	OCC	00:00:00	23:59:00	NNO		cancelled by MPS		
73	1637		287	14/10/10	OCC	05:41:00	09:48:00	NNO		successfully performed	0373	L1a&b L2
	1637		287	14/10/10	OCC	09:53:00	14:16:00	CEB		successfully performed	0386	L1a&b L2
	1637		287	14/10/10	OCC	15:40:00	16:44:00	CEB		successfully performed	0387	L1a&b L2
74	1638		288	15/10/10	OCC	05:02:00	07:44:00	NNO		successfully performed	0374	L1a&b L2
	1638		288	15/10/10	OCC	09:51:00	14:11:00	CEB		successfully performed	0388	L1a&b L2
	1638		288	15/10/10	OCC	15:35:00	16:40:00	CEB		successfully performed	0389	L1a&b L2
75	1639		289	16/10/10	OCC	04:55:00	09:37:00	NNO		successfully performed	0375	L1a&b L2
	1639		289	16/10/10	OCC	09:40:00	14:07:00	CEB		successfully performed	0390	L1a&b L2
	1639		289	16/10/10	OCC	15:31:00	16:35:00	CEB		successfully performed	0391	L1a&b L2
76	1640		290	17/10/10	OCC	00:00:00	23:59:00	NNO		successfully performed	0376	L1a&b

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 light red: task cancelled by ESOC PTR  
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77	1641		291	18/10/10	OCC	00:00:00	23:59:00	DSN		performed	0377	L1a&b
78	1642		292	19/10/10	OCC	00:00:00	23:59:00	DSN		performed	0378	L1a&b
79	1643		293	20/10/10	OCC	04:27:00	09:12:00	NNO		successfully performed	0379	L1a&b L2
	1643		293	20/10/10	OCC	09:15:00	12:55:00	CEB		successfully performed	0392	L1a&b L2
	1643		293	20/10/10	OCC	14:19:00	15:22:00	CEB		successfully performed	0393	L1a&b L2
80	1644		294	21/10/10	OCC	04:20:00	09:05:00	NNO		successfully performed	0380	L1a&b L2
	1644		294	21/10/10	OCC	09:08:00	12:54:00	CEB		successfully performed	0394	L1a&b L2
	1644		294	21/10/10	OCC	14:19:00	16:13:00	CEB		successfully performed	0395	L1a&b L2
81	1645		295	22/10/10	OCC	04:13:00	08:58:00	NNO		successfully performed	0381	L1a&b L2
	1645		295	22/10/10	OCC	09:01:00	10:54:00	CEB		successfully performed	0396	L1a&b L2
	1645		295	22/10/10	OCC	12:19:00	15:08:00	CEB		successfully performed	0397	L1a&b L2
82	1646		296	23/10/10	OCC	04:06:00	08:50:00	NNO		successfully performed	0382	L1a&b L2

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	1646		296	23/10/10	OCC	08:53:00	10:44:00	CEB		successfully performed	0398	L1a&b L2	
	1646		296	23/10/10	OCC	12:09:00	14:31:00	CEB		successfully performed	0399	L1a&b L2	
83	1647		297	24/10/10	OCC	03:59:00	08:43:00	NNO		successfully performed	0383	L1a&b L2	
	1647		297	24/10/10	OCC	08:46:00	10:54:00	CEB		successfully performed	0400	L1a&b L2	
	1647		297	24/10/10	OCC	12:19:00	14:54:00	CEB		successfully performed	0401	L1a&b L2	
84	1648		298	25/10/10	OCC	03:52:00	08:35:00	NNO		successfully performed	0384	L1a&b L2	

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 green: task completed  
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 light red: task cancelled by ESOC PTR