

Venus Express VeRa Occultation Season 4

No	orbit	ArchVID	DOY	date	I/E	start T	stop T	G/S	lon	lat	Ls	SZA	LTST	radius	equipot
1	624	149	5	2008-01-05	E	03:32:00	04:35:48	32	188.2	31.1	312.2	45.58	14.20	6051.8	6051.8
2	624	149	5	2008-01-05	I	03:32:00	04:35:48	32	189.7	65.4	312.2	71.12	14.10	6051.8	6051.8
3	626	150	7	2008-01-07	E	03:35:58	04:41:36	32	193.4	20.1	315.4	39.91	14.27	6051.8	6051.8
4	626	150	7	2008-01-07	I	03:35:58	04:41:36	32	195.4	69.7	315.4	74.67	14.13	6051.8	6051.8
5	630	152	11	2008-01-11	I	03:43:57	04:53:27	32	206.8	74.7	321.8	78.79	14.20	6051.8	6051.8
6	634	154	15	2008-01-15	E	03:51:57	05:05:10	32	214.6	-13.0	328.3	39.02	14.51	6051.8	6051.8
7	634	154	15	2008-01-15	I	03:51:57	05:05:10	32	218.1	78.0	328.3	81.43	14.27	6051.8	6051.8
8	636	155	17	2008-01-17	E	03:55:56	05:10:56	32	219.9	-20.1	331.5	42.04	14.56	6051.8	6051.8
9	636	155	17	2008-01-17	I	03:55:56	05:10:56	32	223.7	79.3	331.5	82.47	14.31	6051.8	6051.8
10	638	156	19	2008-01-19	E	03:59:52	05:16:33	32	225.3	-26.9	334.8	45.66	14.62	6051.8	6051.8
11	638	156	19	2008-01-19	I	03:59:52	05:16:33	32	229.2	80.5	334.7	83.37	14.35	6051.8	6051.8
12	639	157	20	2008-01-20	E	04:01:27	05:19:18	32	228.0	-30.2	336.4	47.62	14.65	6051.8	6051.8
13	639	157	20	2008-01-20	I	04:01:27	05:19:18	32	232.0	81.1	336.3	83.80	14.37	6051.8	6051.8
14	640	158	21	2008-01-21	E	04:03:51	05:22:07	32	230.7	-33.5	338.0	49.66	14.67	6051.8	6051.8
15	640	158	21	2008-01-21	I	04:03:51	05:22:07	32	234.8	81.6	337.9	84.20	14.39	6051.8	6051.8
16	641	159	22	2008-01-22	E	04:05:24	05:24:47	32	233.3	-36.7	339.6	51.76	14.70	6051.8	6051.8
17	641	159	22	2008-01-22	I	04:05:24	05:24:47	32	237.6	82.1	339.5	84.57	14.41	6051.8	6051.8
18	642	160	23	2008-01-23	E	04:07:50	05:27:34	32	236.0	-39.9	341.2	53.90	14.73	6051.8	6051.8
19	642	160	23	2008-01-23	I	04:07:50	05:27:34	32	240.4	82.6	341.1	84.93	14.43	6051.8	6051.8
20	643	161	24	2008-01-24	E	04:09:49	05:30:15	32	238.7	-43.0	342.8	56.07	14.76	6051.8	6051.8
21	643	161	24	2008-01-24	I	04:09:49	05:30:15	32	243.2	83.1	342.8	85.27	14.45	6051.8	6051.8
22	644	162	25	2008-01-25	E	04:13:41	05:32:49	32	241.4	-46.1	344.4	58.27	14.78	6051.8	6051.8
23	644	162	25	2008-01-25	I	04:13:41	05:32:49	32	246.0	83.6	344.4	85.61	14.47	6051.8	6051.8
24	659	167	40	2008-02-09	E	04:45:14	06:06:24	32	109.8	-89.2	8.4	90.97	2.64	6051.8	6051.8
25	659	167	40	2008-02-09	I	04:45:14	06:06:24	32	61.9	89.8	8.4	89.63	5.82	6051.8	6051.8
26	660	168	41	2008-02-10	E	04:44:25	06:05:35	32	106.5	-86.3	10.0	93.01	3.06	6051.8	6051.8
27	660	168	41	2008-02-10	I	04:44:25	06:05:35	32	97.5	89.5	9.9	89.86	3.66	6051.8	6051.8
28	661	169	42	2008-02-11	E	04:43:37	06:04:44	32	108.5	-83.4	11.6	95.02	3.13	6051.8	6051.8
29	661	169	42	2008-02-11	I	04:43:37	06:04:44	32	105.0	89.0	11.5	90.10	3.36	6051.8	6051.8
30	662	170	43	2008-02-12	E	04:42:47	06:03:46	32	110.9	-80.5	13.2	97.00	3.18	6051.8	6051.8
31	662	170	43	2008-02-12	I	04:42:47	06:03:46	32	109.6	88.6	13.1	90.33	3.26	6051.8	6051.8
32	663	171	44	2008-02-13	E	04:41:57	06:02:49	32	113.5	-77.5	14.8	98.95	3.21	6051.8	6051.8
33	663	171	44	2008-02-13	I	04:41:31	06:02:44	32	113.3	88.2	14.7	90.56	3.22	6051.8	6051.8
34	664	172	45	2008-02-14	E	04:41:06	06:01:45	32	116.2	-74.6	16.4	100.86	3.24	6051.8	6051.8
35	664	172	45	2008-02-14	I	04:41:06	06:01:45	32	116.6	87.7	16.3	90.79	3.20	6051.8	6051.8
36	665	173	46	2008-02-15	E	04:40:15	06:00:40	32	118.8	-71.6	17.9	102.74	3.26	6051.8	6051.8
37	665	173	46	2008-02-15	I	04:40:15	06:00:40	32	119.7	87.3	17.9	91.03	3.20	6051.8	6051.8
38	666	174	47	2008-02-16	E	04:39:24	05:59:32	32	121.5	-68.6	19.5	104.57	3.29	6051.8	6051.8
39	666	174	47	2008-02-16	I	04:39:24	05:59:32	32	122.7	86.8	19.5	91.26	3.21	6051.8	6051.8
40	668	175	49	2008-02-18	E	04:37:40	05:57:07	32	126.9	-62.6	22.7	108.10	3.34	6051.8	6051.8
41	668	175	49	2008-02-18	I	04:37:40	05:57:07	32	128.4	85.8	22.7	91.74	3.23	6051.8	6051.8
42	670	176	51	2008-02-20	E	04:35:32	05:54:28	32	132.3	-56.5	25.9	111.41	3.39	6051.8	6051.8
43	670	176	51	2008-02-20	I	04:35:32	05:54:28	32	134.1	84.8	25.8	92.23	3.27	6051.8	6051.8
44	672	177	53	2008-02-22	E	04:34:14	05:51:43	32	137.7	-50.3	29.1	114.48	3.44	6051.8	6051.8
45	672	177	53	2008-02-22	I	04:34:14	05:51:43	32	139.6	83.8	29.0	92.74	3.31	6051.8	6051.8
46	673	178	54	2008-02-23	E	04:33:21	05:50:15	32	140.4	-47.1	30.6	115.91	3.46	6051.8	6051.8
47	673	178	54	2008-02-23	I	04:33:21	05:50:15	32	142.3	83.2	30.6	93.01	3.33	6051.8	6051.8
48	676	179	57	2008-02-26	E	04:30:43	05:45:37	32	148.6	-37.4	35.4	119.67	3.53	6051.8	6051.8
49	676	179	57	2008-02-26	I	04:30:43	05:45:37	32	150.4	81.5	35.4	93.85	3.40	6051.8	6051.8
50	678	180	59	2008-02-28	E	04:28:57	05:42:19	32	154.1	-30.7	38.6	121.67	3.57	6051.8	6051.8
51	678	180	59	2008-02-28	I	04:28:57	05:42:19	32	155.8	80.2	38.5	94.46	3.45	6051.8	6051.8
52	680	181	61	2008-03-01	E	04:27:10	05:38:50	32	159.5	-23.7	41.7	123.17	3.62	6051.8	6051.8
53	680	181	61	2008-03-01	I	04:27:10	05:38:50	32	161.2	78.7	41.7	95.13	3.50	6051.8	6051.8
54	682	182	63	2008-03-03	E	04:25:22	05:35:13	32	165.0	-16.4	44.9	124.10	3.66	6051.8	6051.8
55	682	182	63	2008-03-03	I	04:25:22	05:35:13	32	166.6	77.0	44.9	95.88	3.55	6051.8	6051.8
56	683	183	64	2008-03-04	E	04:24:28	05:33:22	32	167.7	-12.6	46.5	124.31	3.68	6051.8	6051.8
57	683	183	64	2008-03-04	I	04:24:28	05:33:22	32	169.2	76.1	46.4	96.29	3.58	6051.8	6051.8
58	692	187	73	2008-03-13	E	04:16:15	05:15:52	32	192.5	32.3	60.7	115.27	3.86	6051.8	6051.8
59	692	187	73	2008-03-13	I	04:16:15	05:15:52	32	193.0	59.6	60.7	103.74	3.83	6051.8	6051.8