

Venus Express VeRa Occultation Season 16

No	orbit	ArchVID	DOY	date	I/E	start T	stop T	G/S	lon	lat	Ls	SZA	LTST	radius	equipot
1	2746	759	300	2013-10-27	E	09:53:23	10:39:50	32	104.8	15.4	111.2	162.15	23.95	6051.8	6051.8
2	2747	760	301	2013-10-28	E	09:10:53	10:43:21	32	108.0	7.6	112.8	169.96	23.95	6051.8	6051.8
3	2747	760	301	2013-10-28	I	09:10:53	10:43:21	32	102.6	54.0	112.8	123.49	0.30	6051.8	6051.8
4	2748	761	302	2013-10-29	E	09:12:23	10:46:48	32	110.9	1.2	114.4	176.34	23.95	6051.8	6051.8
5	2748	761	302	2013-10-29	I	09:12:23	10:46:48	32	104.2	57.6	114.3	119.76	0.40	6051.8	6051.8
6	2749	762	303	2013-10-30	E	09:13:55	10:50:10	32	113.9	-4.4	116.0	177.85	23.96	6051.8	6051.8
7	2749	762	303	2013-10-30	I	09:13:55	10:50:10	32	105.8	60.6	115.9	116.76	0.50	6051.8	6051.8
8	2750	763	304	2013-10-31	E	09:15:26	10:53:27	32	116.8	-9.6	117.5	172.75	23.97	6051.8	6051.8
9	2750	763	304	2013-10-31	I	09:15:26	10:53:27	32	107.4	63.1	117.5	114.23	0.59	6051.8	6051.8
10	2751	764	305	2013-11-01	E	09:16:56	10:56:40	32	119.6	-14.4	119.1	167.95	23.99	6051.8	6051.8
11	2751	764	305	2013-11-01	I	09:16:56	10:56:40	32	109.0	65.3	119.1	112.01	0.69	6051.8	6051.8
12	2752	765	306	2013-11-02	E	09:18:27	10:59:47	32	122.5	-18.9	120.7	163.42	0.00	6051.8	6051.8
13	2752	765	306	2013-11-02	I	09:18:27	10:59:47	32	110.6	67.2	120.7	110.05	0.79	6051.8	6051.8
14	2753	766	307	2013-11-03	E	09:19:57	11:02:50	32	125.3	-23.1	122.3	159.09	0.02	6051.8	6051.8
15	2753	766	307	2013-11-03	I	09:19:57	11:02:50	32	112.1	68.9	122.3	108.26	0.90	6051.8	6051.8
16	2754	767	308	2013-11-04	E	09:21:28	11:05:48	32	128.2	-27.2	123.9	154.95	0.03	6051.8	6051.8
17	2754	767	308	2013-11-04	I	09:21:28	11:05:48	32	113.5	70.5	123.9	106.64	1.00	6051.8	6051.8
18	2755	768	309	2013-11-05	E	09:22:59	11:08:41	32	131.1	-31.2	125.5	150.96	0.05	6051.8	6051.8
19	2755	768	309	2013-11-05	I	09:22:59	11:08:41	32	114.9	71.9	125.5	105.14	1.12	6051.8	6051.8
20	2756	769	310	2013-11-06	E	09:24:29	11:11:28	32	133.9	-35.0	127.1	147.11	0.06	6051.8	6051.8
21	2756	769	310	2013-11-06	I	09:24:29	11:11:28	32	116.2	73.3	127.0	103.74	1.24	6051.8	6051.8
22	2757	770	311	2013-11-07	E	09:25:59	11:14:12	32	136.8	-38.7	128.7	143.37	0.07	6051.8	6051.8
23	2757	770	311	2013-11-07	I	09:25:59	11:14:12	32	117.4	74.5	128.6	102.43	1.36	6051.8	6051.8
24	2758	771	312	2013-11-08	E	10:11:44	11:16:48	32	139.7	-42.3	130.3	139.73	0.09	6051.8	6051.8
25	2759	772	313	2013-11-09	E	09:29:00	11:19:22	32	142.6	-45.8	131.9	136.19	0.10	6051.8	6051.8
26	2759	772	313	2013-11-09	I	09:29:00	11:19:22	32	119.4	76.8	131.8	100.03	1.64	6051.8	6051.8
27	2764	774	318	2013-11-14	E	09:24:14	11:19:18	32	158.0	-61.7	139.8	119.96	0.10	6051.8	6051.8
28	2764	774	318	2013-11-14	I	09:24:14	11:19:18	32	122.5	81.0	139.8	95.48	2.45	6051.8	6051.8
29	2766	775	320	2013-11-16	E	10:18:51	11:18:45	32	165.0	-67.8	143.0	113.83	0.04	6051.8	6051.8
30	2768	776	322	2013-11-18	E	09:21:04	11:17:55	32	173.3	-73.5	146.2	107.97	23.89	6051.8	6051.8
31	2768	776	322	2013-11-18	I	09:21:04	11:17:55	32	116.8	84.1	146.2	91.94	3.66	6051.8	6051.8
32	2775	779	329	2013-11-25	E	10:08:13	11:08:52	32	302.1	-85.5	157.4	89.56	16.75	6051.8	6051.8
33	2776	780	330	2013-11-26	E	09:07:04	11:04:41	32	323.2	-83.8	159.0	87.20	15.54	6051.8	6051.8
34	2776	780	330	2013-11-26	I	09:07:04	11:04:41	32	61.5	86.1	158.9	86.28	8.98	6051.8	6051.8
35	2777	781	331	2013-11-27	E	10:00:38	11:01:09	32	335.5	-81.7	160.6	84.90	14.93	6051.8	6051.8
36	2778	782	332	2013-11-28	E	09:57:54	10:58:17	32	343.5	-79.5	162.2	82.69	14.60	6051.8	6051.8
37	2779	783	333	2013-11-29	E	09:55:49	10:56:06	32	349.4	-77.4	163.8	80.57	14.41	6051.8	6051.8
38	2780	784	334	2013-11-30	E	10:01:23	10:47:20	32	354.2	-75.2	165.4	78.54	14.30	6051.8	6051.8
39	2781	785	335	2013-12-01	E	09:52:51	10:44:48	32	358.2	-73.2	167.0	76.60	14.23	6051.8	6051.8
40	2782	786	336	2013-12-02	E	09:51:23	10:43:07	32	1.8	-71.1	168.6	74.77	14.20	6051.8	6051.8
41	2783	787	337	2013-12-03	E	09:49:52	10:49:24	32	5.1	-69.2	170.2	73.03	14.19	6051.8	6051.8
42	2784	788	338	2013-12-04	E	08:51:57	10:47:41	32	8.1	-67.2	171.8	71.41	14.19	6051.8	6051.8
43	2784	788	338	2013-12-04	I	08:51:57	10:47:41	32	37.0	82.7	171.7	82.35	12.26	6051.8	6051.8
44	2785	789	339	2013-12-05	E	09:46:52	10:37:57	32	11.0	-65.4	173.4	69.90	14.20	6051.8	6051.8
45	2786	790	340	2013-12-06	E	09:45:20	10:36:13	32	13.7	-63.7	175.0	68.51	14.23	6051.8	6051.8
46	2787	791	341	2013-12-07	E	09:43:49	10:34:26	32	16.3	-62.0	176.6	67.25	14.26	6051.8	6051.8
47	2789	792	343	2013-12-09	E	08:41:32	10:26:45	32	21.1	-59.0	179.8	65.13	14.35	6051.8	6051.8
48	2789	792	343	2013-12-09	I	08:41:32	10:26:45	32	37.9	80.8	179.7	81.25	13.22	6051.8	6051.8
49	2790	793	344	2013-12-10	E	09:30:54	10:20:51	32	23.4	-57.6	181.4	64.26	14.40	6051.8	6051.8
50	2792	795	346	2013-12-12	E	09:19:31	10:09:00	32	27.9	-55.2	184.6	62.97	14.51	6051.8	6051.8
51	2793	796	347	2013-12-13	E	09:13:50	10:03:08	32	30.0	-54.1	186.2	62.53	14.58	6051.8	6051.8
52	2794	797	348	2013-12-14	E	09:08:10	09:57:17	32	32.1	-53.2	187.8	62.24	14.65	6051.8	6051.8
53	2795	798	349	2013-12-15	E	09:02:31	09:51:26	32	34.1	-52.4	189.4	62.10	14.72	6051.8	6051.8
54	2796	799	350	2013-12-16	E	08:56:53	09:41:22	32	36.0	-51.8	191.0	62.10	14.79	6051.8	6051.8
55	2797	800	351	2013-12-17	E	08:51:14	09:36:37	32	38.0	-51.2	192.6	62.24	14.87	6051.8	6051.8
56	2798	801	352	2013-12-18	E	08:45:36	09:42:06	32	39.9	-50.8	194.2	62.51	14.95	6051.8	6051.8
57	2801	804	355	2013-12-21	E	08:28:48	09:25:01	32	45.3	-50.4	199.1	64.05	15.20	6051.8	6051.8
58	2802	805	356	2013-12-22	E	08:20:32	09:16:45	32	47.0	-50.5	200.7	64.78	15.29	6051.8	6051.8
59	2803	806	357	2013-12-23	E	08:17:41	09:13:48	32	48.7	-50.8	202.3	65.61	15.38	6051.8	6051.8
60	2804	807	358	2013-12-24	E	08:12:08	09:08:13	32	50.4	-51.2	203.9	66.52	15.48	6051.8	6051.8
61	2805	808	359	2013-12-25	E	08:06:37	09:02:41	32	52.0	-51.8	205.5	67.52	15.57	6051.8	6051.8
62	2806	809	360	2013-12-26	E	08:01:07	08:57:11	32	53.7	-52.5	207.1	68.57	15.67	6051.8	6051.8
63	2807	810	361	2013-12-27	E	07:55:37	08:51:42	32	55.3	-53.3	208.7	69.67	15.77	6051.8	6051.8
64	2808	811	362	2013-12-28	E	07:50:06	08:46:13	32	57.0	-54.3	210.3	70.81	15.86	6051.8	6051.8
65	2809	812	363	2013-12-29	E	07:44:40	08:35:49	32	58.6	-55.3	211.9	71.98	15.96	6051.8	6051.8
66	2810	813	364	2013-12-30	E	07:39:13	08:30:23	32	60.2	-56.5	213.6	73.16	16.06	6051.8	6051.8
67	2811	814	365	2013-12-31	E	07:32:35	08:24:58	32	61.9	-57.8	215.2	74.33	16.15	6051.8	6051.8
68	2815	778	4	2014-01-04	E	07:12:23	08:00:31	32	69.1	-63.9	221.6	78.68	16.49	6051.8	6051.8
69	2819	802	8	2014-01-08	E	06:49:09	07:45:46	32	78.5	-70.9	228.1	81.85	16.69	6051.8	6051.8
70	2823	803	12	2014-01-12	E	06:27:43	07:24:24	32	94.2	-77.9	234.6	83.22	16.47	6051.8	6051.8
71	2827	815	16	2014-01-16	E	06:06:19	07:02:56	32	129.9	-83.1	241.0	82.72	14.92	6051.8	6051.8