

Venus Express VeRa Occultation Season 7

No	orbit	ArchVID	DOY	date	I/E	start T	stop T	G/S	lon	lat	Ls	SZA	LTST	radius	equipot
1	1182	263	197	2009-07-16	E	00:08:44	01:16:05	32	117.0	58.5	124.7	59.18	13.54	6051.8	6051.8
2	1182	263	197	2009-07-16	I	00:09:14	01:16:08	32	118.5	30.7	124.7	35.13	13.44	6051.8	6051.8
3	1183	264	198	2009-07-17	E	00:06:58	01:15:04	32	119.2	62.8	126.3	63.23	13.60	6051.8	6051.8
4	1183	264	198	2009-07-17	I	00:06:28	01:15:01	32	121.3	23.2	126.2	29.89	13.46	6051.8	6051.8
5	1184	265	199	2009-07-18	E	00:04:42	01:14:01	32	121.5	65.7	127.8	66.06	13.65	6051.8	6051.8
6	1184	265	199	2009-07-18	I	00:04:42	01:14:01	32	124.1	17.0	127.8	26.45	13.48	6051.8	6051.8
7	1185	266	200	2009-07-19	E	00:02:26	01:12:56	32	123.8	68.1	129.4	68.30	13.71	6051.8	6051.8
8	1185	266	200	2009-07-19	I	00:02:26	01:12:56	32	126.8	11.6	129.4	24.29	13.50	6051.8	6051.8
9	1186	267	201	2009-07-20	E	00:00:11	01:11:52	32	126.1	70.0	131.0	70.16	13.76	6051.8	6051.8
10	1186	267	201	2009-07-20	I	00:00:11	01:11:52	32	129.5	6.6	131.0	23.25	13.52	6051.8	6051.8
11	1187	268	201	2009-07-20	E	23:57:39	01:10:33	32	128.4	71.6	132.6	71.75	13.80	6051.8	6051.8
12	1187	268	201	2009-07-20	I	23:57:39	01:10:33	32	132.2	2.0	132.6	23.20	13.55	6051.8	6051.8
13	1188	269	202	2009-07-21	E	23:55:25	01:09:28	32	130.8	73.0	134.2	73.15	13.85	6051.8	6051.8
14	1188	269	202	2009-07-21	I	23:55:25	01:09:28	32	134.9	-2.5	134.2	23.96	13.57	6051.8	6051.8
15	1189	270	203	2009-07-22	E	23:59:13	01:08:25	32	133.1	74.2	135.8	74.39	13.90	6051.8	6051.8
16	1189	270	203	2009-07-22	I	23:59:13	01:08:25	32	137.7	-6.7	135.8	25.36	13.60	6051.8	6051.8
17	1191	271	205	2009-07-24	E	23:54:55	01:06:18	32	137.8	76.4	139.0	76.53	14.00	6051.8	6051.8
18	1191	271	205	2009-07-24	I	23:54:55	01:06:18	32	143.0	-14.6	139.0	29.41	13.64	6051.8	6051.8
19	1193	272	207	2009-07-26	E	23:48:02	01:07:28	32	142.5	78.2	142.2	78.34	14.09	6051.8	6051.8
20	1193	272	207	2009-07-26	I	23:48:02	01:07:28	32	148.4	-22.1	142.1	34.35	13.70	6051.8	6051.8
21	1195	273	209	2009-07-28	E	23:56:34	01:11:56	32	147.2	79.8	145.4	79.95	14.19	6051.8	6051.8
22	1195	273	209	2009-07-28	I	23:56:34	01:11:56	32	153.8	-29.3	145.3	39.70	13.75	6051.8	6051.8
23	1197	274	211	2009-07-30	E	23:59:15	01:16:23	32	151.8	81.2	148.6	81.39	14.29	6051.8	6051.8
24	1197	274	211	2009-07-30	I	23:59:15	01:16:23	32	159.2	-36.2	148.5	45.20	13.80	6051.8	6051.8
25	1199	275	213	2009-08-01	E	23:56:00	01:20:44	32	156.4	82.5	151.8	82.68	14.40	6051.8	6051.8
26	1199	275	213	2009-08-01	I	23:56:00	01:20:44	32	164.7	-42.9	151.7	50.71	13.85	6051.8	6051.8
27	1201	276	215	2009-08-03	E	23:59:00	01:25:09	32	160.8	83.7	155.0	83.87	14.52	6051.8	6051.8
28	1201	276	215	2009-08-03	I	23:59:00	01:25:09	32	170.1	-49.5	154.9	56.18	13.89	6051.8	6051.8
29	1204	277	219	2009-08-07	E	00:03:51	01:31:45	32	167.0	85.3	159.8	85.51	14.72	6051.8	6051.8
30	1204	277	219	2009-08-07	I	00:03:51	01:31:45	32	178.3	-59.1	159.7	64.28	13.96	6051.8	6051.8
31	1207	278	222	2009-08-10	E	00:09:08	01:38:21	32	172.0	86.7	164.6	87.00	15.01	6051.8	6051.8
32	1207	278	222	2009-08-10	I	00:09:08	01:38:21	32	186.8	-68.4	164.5	72.18	14.02	6051.8	6051.8
33	1210	279	225	2009-08-13	E	00:14:53	01:44:55	32	173.1	88.1	169.4	88.39	15.55	6051.8	6051.8
34	1210	279	225	2009-08-13	I	00:14:53	01:44:55	32	195.8	-77.7	169.4	79.89	14.03	6051.8	6051.8
35	1213	280	228	2009-08-16	E	00:21:07	01:51:28	32	148.9	89.3	174.2	89.70	17.78	6051.8	6051.8
36	1213	280	228	2009-08-16	I	00:20:37	01:51:25	32	210.9	-86.8	174.2	87.38	13.64	6051.8	6051.8
37	1216	281	231	2009-08-19	E	00:27:50	01:58:02	32	56.1	89.0	179.1	90.95	0.59	6051.8	6051.8
38	1216	281	231	2009-08-19	I	00:27:50	01:58:02	32	24.4	-83.9	179.0	94.66	2.69	6051.8	6051.8
39	1219	282	234	2009-08-22	E	00:34:33	02:04:32	32	46.4	87.8	183.9	92.17	1.85	6051.8	6051.8
40	1219	282	234	2009-08-22	I	00:35:03	02:04:36	32	35.5	-74.7	183.8	101.70	2.58	6051.8	6051.8
41	1222	283	237	2009-08-25	E	00:42:44	02:11:10	32	49.5	86.4	188.7	93.37	2.27	6051.8	6051.8
42	1222	283	237	2009-08-25	I	00:42:44	02:11:10	32	44.2	-65.4	188.7	108.45	2.61	6051.8	6051.8
43	1225	284	240	2009-08-28	E	00:50:24	02:17:39	32	55.2	85.0	193.6	94.58	2.50	6051.8	6051.8
44	1225	284	240	2009-08-28	I	00:50:24	02:17:39	32	52.6	-55.9	193.5	114.83	2.67	6051.8	6051.8
45	1226	285	241	2009-08-29	E	00:53:13	02:19:51	32	57.4	84.5	195.2	94.98	2.56	6051.8	6051.8
46	1226	285	241	2009-08-29	I	00:53:13	02:19:51	32	55.3	-52.7	195.2	116.86	2.70	6051.8	6051.8
47	1227	286	242	2009-08-30	E	00:56:35	02:22:05	32	59.7	84.0	196.8	95.39	2.62	6051.8	6051.8
48	1227	286	242	2009-08-30	I	00:56:35	02:22:05	32	58.1	-49.4	196.8	118.83	2.72	6051.8	6051.8
49	1228	287	243	2009-08-31	E	00:59:00	02:24:13	32	62.0	83.5	198.4	95.80	2.67	6051.8	6051.8
50	1228	287	243	2009-08-31	I	00:59:00	02:24:13	32	60.8	-46.1	198.4	120.73	2.75	6051.8	6051.8
51	1229	288	244	2009-09-01	E	01:02:28	02:26:28	32	64.4	83.0	200.0	96.22	2.72	6051.8	6051.8
52	1229	288	244	2009-09-01	I	01:02:28	02:26:28	32	63.5	-42.8	200.0	122.56	2.77	6051.8	6051.8
53	1231	289	246	2009-09-03	E	01:08:31	02:30:51	32	69.3	81.9	203.3	97.08	2.80	6051.8	6051.8
54	1231	289	246	2009-09-03	I	01:08:31	02:30:51	32	68.9	-36.0	203.2	125.95	2.82	6051.8	6051.8
55	1233	290	248	2009-09-05	E	01:14:44	02:35:15	32	74.4	80.6	206.5	97.98	2.88	6051.8	6051.8
56	1233	290	248	2009-09-05	I	01:14:44	02:35:15	32	74.3	-29.0	206.5	128.90	2.88	6051.8	6051.8
57	1235	291	250	2009-09-07	E	01:21:06	02:39:38	32	79.5	79.3	209.8	98.95	2.95	6051.8	6051.8
58	1235	291	250	2009-09-07	I	01:21:06	02:39:38	32	79.8	-21.8	209.7	131.30	2.93	6051.8	6051.8
59	1237	292	252	2009-09-09	E	01:27:36	02:44:02	32	84.7	77.8	213.0	100.01	3.02	6051.8	6051.8
60	1237	292	252	2009-09-09	I	01:27:36	02:44:02	32	85.2	-14.2	213.0	133.00	2.98	6051.8	6051.8
61	1239	293	254	2009-09-11	E	01:34:12	02:48:25	32	90.0	76.0	216.2	101.20	3.08	6051.8	6051.8
62	1239	293	254	2009-09-11	I	01:34:12	02:48:25	32	90.5	-6.2	216.2	133.83	3.04	6051.8	6051.8
63	1241	294	256	2009-09-13	E	01:40:53	02:52:49	32	95.3	73.8	219.5	102.60	3.14	6051.8	6051.8
64	1241	294	256	2009-09-13	I	01:40:53	02:52:49	32	95.9	2.5	219.5	133.59	3.10	6051.8	6051.8
65	1243	295	258	2009-09-15	E	01:47:39	02:57:14	32	100.7	71.0	222.7	104.35	3.19	6051.8	6051.8
66	1243	295	258	2009-09-15	I	01:47:39	02:57:14	32	101.3	12.0	222.7	132.04	3.15	6051.8	6051.8
67	1244	296	259	2009-09-16	E	01:51:01	02:59:26	32	103.4	69.2	224.3	105.45	3.22	6051.8	6051.8
68	1244	296	259	2009-09-16	I	01:51:01	02:59:26	32	104.0	17.2	224.3	130.67	3.18	6051.8	6051.8
69	1245	297	260	2009-09-17	E	01:54:24	03:01:38	32	106.2	67.0	226.0	106.79	3.24	6051.8	6051.8
70	1245	297	260	2009-09-17	I	01:54:24	03:01:38	32	106.6	23.0	226.0	128.79	3.21	6051.8	6051.8
71	1246	298	261	2009-09-18	E	01:57:46	03:03:49	32	108.9	63.7	227.6	108.72	3.27	6051.8	6051.8
72	1246	298	261	2009-09-18	I	01:57:46	03:03:49	32	109.3	29.7	227.6	126.22	3.24	6051.8	6051.8