

TABLE 3 — VENUS TRANSIT CIRCUMSTANCES FOR THE USA ON 2012 JUNE 05

Location Name	External Sun		Internal Sun		Greatest Sun		Internal Sun		External Sun	
	Ingress	Alt	Ingress	Alt	Transit	Alt	Egress	Alt	Egress	Alt
	h m s	°	h m s	°	h m s	°	h m s	°	h m s	°
Albany, NY	18:03:45	24	18:21:24	21	--	-	--	-	--	-
Atlanta, GA	18:04:25	31	18:22:04	27	--	-	--	-	--	-
Anchorage, AK	14:06:30	51	14:24:04	51	17:26:53	38	20:30:46	16	20:48:32	14
Austin, TX	17:05:18	42	17:22:57	38	20:25:39	0	--	-	--	-
Birmingham, AL	18:04:33	33	18:22:12	29	--	-	--	-	--	-
Boise, ID	16:05:48	54	16:23:23	51	19:25:48	19	--	-	--	-
Boston, MA	18:03:39	22	18:21:19	19	--	-	--	-	--	-
Charleston, WV	18:04:09	29	18:21:48	26	--	-	--	-	--	-
Chicago, IL	17:04:20	34	17:21:58	31	20:26:06	0	--	-	--	-
Cincinnati, OH	18:04:15	32	18:21:54	28	--	-	--	-	--	-
Columbia, SC	18:04:15	28	18:21:54	25	--	-	--	-	--	-
Dallas, TX	17:05:08	41	17:22:46	37	20:25:42	0	--	-	--	-
Denver, CO	16:05:19	47	16:22:55	44	19:25:44	9	--	-	--	-
Des Moines, IA	17:04:38	39	17:22:15	35	20:25:58	2	--	-	--	-
Detroit, MI	18:04:07	31	18:21:45	28	--	-	--	-	--	-
El Paso, TX	17:05:47	49	17:23:24	45	20:25:33	8	--	-	--	-
Hartford, CT	18:03:43	23	18:21:22	20	--	-	--	-	--	-
Honolulu, HI	12:10:07	85	12:27:46	89	15:26:20	49	18:26:38	9	18:44:38	5
Houston, TX	17:05:11	39	17:22:50	36	--	-	--	-	--	-
Indianapolis, IN	17:04:19	33	17:21:57	30	--	-	--	-	--	-
Jackson, MS	17:04:46	35	17:22:25	32	--	-	--	-	--	-
Kansas City, MO	17:04:46	39	17:22:23	36	20:25:53	2	--	-	--	-
Kona, HI	12:10:09	86	12:27:48	87	15:26:16	47	18:26:33	7	18:44:33	3
Lincoln, NE	17:04:49	41	17:22:26	37	20:25:53	4	--	-	--	-
Little Rock, AR	17:04:48	37	17:22:26	34	--	-	--	-	--	-
Los Angeles, CA	15:06:26	58	15:24:02	55	18:25:33	18	--	-	--	-
Louisville, KY	18:04:20	32	18:21:59	29	--	-	--	-	--	-
Madison, WI	17:04:23	35	17:22:00	32	20:26:06	0	--	-	--	-
Memphis, TN	18:04:39	36	18:22:18	32	--	-	--	-	--	-
Miami, FL	18:04:31	26	18:22:13	22	--	-	--	-	--	-
Minneapolis, MN	18:04:32	38	18:22:08	35	21:26:04	4	--	-	--	-
New Orleans, LA	17:04:52	35	17:22:31	31	--	-	--	-	--	-
New York, NY	18:03:47	24	18:21:26	21	--	-	--	-	--	-
Omaha, NE	17:04:46	40	17:22:23	37	20:25:54	4	--	-	--	-
Philadelphia, PA	18:03:50	25	18:21:30	21	--	-	--	-	--	-
Phoenix, AZ	15:06:03	54	15:23:40	50	18:25:32	13	--	-	--	-
Pittsburgh, PA	18:04:01	28	18:21:40	25	--	-	--	-	--	-
Portland, OR	15:06:05	57	15:23:40	54	18:25:53	23	--	-	--	-
Providence, RI	18:03:40	22	18:21:20	19	--	-	--	-	--	-
Raleigh, NC	18:04:05	27	18:21:45	23	--	-	--	-	--	-
Richmond, VA	18:03:59	26	18:21:39	23	--	-	--	-	--	-
Rochester, NY	18:03:53	27	18:21:31	24	--	-	--	-	--	-
Sacramento, CA	15:06:23	60	15:23:58	56	18:25:40	21	--	-	--	-
St. Paul, MN	18:04:31	38	18:22:08	35	21:26:04	4	--	-	--	-
St. Louis, MO	17:04:33	36	17:22:11	32	20:25:58	0	--	-	--	-
Salem, OR	15:06:08	58	15:23:43	55	18:25:52	24	--	-	--	-
Salt Lake City, UT	16:05:41	52	16:23:16	49	19:25:43	15	--	-	--	-
San Antonio, TX	17:05:23	42	17:23:02	38	20:25:37	0	--	-	--	-
San Diego, CA	15:06:26	58	15:24:02	54	18:25:31	16	--	-	--	-
San Francisco, CA	15:06:29	61	15:24:04	57	18:25:39	22	--	-	--	-
San Jose, CA	15:06:29	60	15:24:04	57	18:25:38	21	--	-	--	-
Seattle, WA	15:05:58	56	15:23:32	53	18:25:57	23	--	-	--	-
Topeka, KS	17:04:49	40	17:22:26	37	20:25:51	3	--	-	--	-
Tulsa, OK	17:04:57	40	17:22:34	37	20:25:47	1	--	-	--	-
Washington, DC	18:03:56	26	18:21:35	22	--	-	--	-	--	-

All times are Local Daylight Saving Time (AZ and HI times are Local Standard Time)