

# Transits of Mercury 2016-2100 AD

07/02/2016

As seen from Hidden Valley Observatory

All Dates and times are MST; add one hour if MDT is required.

Global times (when Mercury is below the horizon at HVO) and geocentric minimum separation are shown in red. Otherwise, data specific to HVO are shown in black.

Minimum separation numbers are shown in arc minutes based on geocentric coordinates, and again for observations at HVO.

The computations are done using Terrestrial Time, the conversion to UTC and MST relies on estimated values of delta-T (which is defined as TT – UT). By 2020, the times may easily be off by a few seconds, but the errors should be nearly uniform for any one transit.

Date	Min. Sep.	Ingress Start	Ingress Cmplt.	Min. Sep.	HVO Min.	Egress Start	Egress Cmplt.
05/09/2016	5.31	4:10:25.2	4:13:37.1	7:58:09.8	5.40	11:38:38.6	11:41:50.0
11/11/2019	1.27	5:34:43.8	5:36:25.2	8:20:22.3	1.23	11:02:53.2	11:04:34.4
11/12/2032	9.53	23:40:07.9	23:42:12.4	25:54:04.0		28:05:59.0	28:08:03.3
11/07/2039	13.70	0:16:35.1	0:19:46.3	1:46:40.6		3:13:37.0	3:16:48.1
05/07/2049	8.53	4:01:35.1	4:05:07.2	7:24:29.1	8.44	10:41:37.5	10:45:08.1
11/08/2052	5.31	16:52:55.4	16:54:42.9	19:29:54.7		22:05:09.6	22:06:57.0
05/10/2062	8.68	11:16:47.2	11:20:22.9	14:35:53.5	8.70	17:51:42.2	17:55:18.7
11/11/2065	3.01	10:24:39.0	10:26:21.7	13:06:21.5	2.95	15:46:29.4	15:48:12.1
05/08/2095	5.16	10:20:26.8	10:23:35.6	14:04:24.2	5.13	17:45:30.7	17:48:40.3
11/09/2098	3.58	21:34:39.9	21:36:24.0	24:16:34.2		26:56:49.7	26:58:33.6