

# Transits of Mercury 2016-2100 AD

09/27/2017, checked 1/23/2018  
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 is shown in arc minutes for observers at HVO (in black), or in red based on geocentric coordinates.

The computations are done using Terrestrial Time, the conversion to UTC and MST relies on the estimated value 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.

<b>Date</b>	<b>Min. Sep.</b>	<b>Ingress Start</b>	<b>Ingress Cmpl.</b>	<b>Min. Sep.</b>	<b>HVO Min.</b>	<b>Egress Start</b>	<b>Egress Cmpl.</b>
05/09/2016	5.31	4:10:31.8	4:13:43.5	7:58:09.8	5.40	11:38:32.4	11:41:43.9
11/11/2019	1.27	5:34:48.0	5:36:29.4	8:20:22.3	1.23	11:02:49.2	11:04:30.3
11/12/2032	9.53	23:40:13.2	23:42:17.6	25:54:04.0		28:05:53.8	28:07:58.3
11/07/2039	13.70	0:16:42.8	0:19:54.3	1:46:40.6		3:13:28.9	3:16:40.3
05/07/2049	8.53	4:01:43.4	4:05:15.3	7:24:30.1	8.44	10:41:31.5	10:45:02.2
11/08/2052	5.31	16:53:00.9	16:54:48.4	19:29:54.7		22:05:06.1	22:06:53.6
05/10/2062	8.68	11:16:55.2	11:20:30.9	14:35:54.5	8.70	17:51:36.1	17:55:12.6
11/11/2065	3.01	10:24:43.2	10:26:25.8	13:06:21.5	2.95	15:46:25.3	15:48:07.9
05/08/2095	5.16	10:20:33.9	10:23:42.8	14:04:25.2	5.13	17:45:25.5	17:48:35.1
11/09/2098	3.58	21:34:44.3	21:36:28.3	24:16:34.2		26:56:45.3	26:58:29.3