

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
01/01/2026	Th	06:54:59	07:27:52	121.9		11:56:34		16:25:26	238.1	16:58:19	08:57:34	-3.697	-22.951	98
01/02/2026	F	06:55:04	07:27:54	121.8		11:57:02		16:26:21	238.2	16:59:12	08:58:27	-4.161	-22.861	100
01/03/2026	Sat	06:55:05	07:27:53	121.7		11:57:30		16:27:18	238.4	17:00:06	08:59:25	-4.619	-22.762	99
01/04/2026	Sun	06:55:05	07:27:50	121.5		11:57:57		16:28:16	238.6	17:01:01	09:00:26	-5.070	-22.657	96
01/05/2026	M	06:55:02	07:27:44	121.3		11:58:24		16:29:16	238.7	17:01:58	09:01:33	-5.515	-22.544	90
01/06/2026	Tu	06:54:57	07:27:35	121.2		11:58:50		16:30:18	238.9	17:02:56	09:02:43	-5.952	-22.423	83
01/07/2026	W	06:54:49	07:27:24	121.0		11:59:16		16:31:21	239.1	17:03:56	09:03:57	-6.382	-22.295	74
01/08/2026	Th	06:54:39	07:27:11	120.8		11:59:41		16:32:26	239.3	17:04:58	09:05:15	-6.803	-22.160	65
01/09/2026	F	06:54:27	07:26:55	120.6		12:00:06		16:33:32	239.5	17:06:00	09:06:38	-7.216	-22.017	55
01/10/2026	Sat	06:54:13	07:26:36	120.3		12:00:30		16:34:40	239.8	17:07:04	09:08:04	-7.620	-21.868	45
01/11/2026	Sun	06:53:56	07:26:15	120.1		12:00:53		16:35:49	240.0	17:08:09	09:09:34	-8.014	-21.711	36
01/12/2026	M	06:53:37	07:25:52	119.9		12:01:17		16:36:59	240.2	17:09:15	09:11:07	-8.399	-21.547	27
01/13/2026	Tu	06:53:15	07:25:26	119.6		12:01:39		16:38:11	240.5	17:10:22	09:12:45	-8.774	-21.376	19
01/14/2026	W	06:52:51	07:24:58	119.3		12:02:01		16:39:24	240.8	17:11:31	09:14:25	-9.138	-21.198	12
01/15/2026	Th	06:52:25	07:24:28	119.1		12:02:22		16:40:37	241.0	17:12:40	09:16:10	-9.492	-21.014	7
01/16/2026	F	06:51:57	07:23:55	118.8		12:02:43		16:41:52	241.3	17:13:50	09:17:57	-9.834	-20.822	3
01/17/2026	Sat	06:51:26	07:23:19	118.5		12:03:03		16:43:08	241.6	17:15:01	09:19:48	-10.165	-20.625	1
01/18/2026	Sun	06:50:54	07:22:42	118.2		12:03:22		16:44:24	241.9	17:16:13	09:21:42	-10.484	-20.420	0
01/19/2026	M	06:50:19	07:22:02	117.9		12:03:40		16:45:41	242.2	17:17:25	09:23:40	-10.791	-20.209	2
01/20/2026	Tu	06:49:41	07:21:20	117.6		12:03:58		16:47:00	242.6	17:18:39	09:25:40	-11.085	-19.992	6
01/21/2026	W	06:49:02	07:20:35	117.2		12:04:15		16:48:18	242.9	17:19:52	09:27:43	-11.367	-19.769	11
01/22/2026	Th	06:48:20	07:19:49	116.9		12:04:31		16:49:38	243.2	17:21:07	09:29:49	-11.635	-19.539	19
01/23/2026	F	06:47:37	07:19:00	116.6		12:04:46		16:50:58	243.6	17:22:22	09:31:58	-11.891	-19.304	28
01/24/2026	Sat	06:46:51	07:18:09	116.2		12:05:01		16:52:18	243.9	17:23:37	09:34:09	-12.133	-19.062	39
01/25/2026	Sun	06:46:03	07:17:16	115.8		12:05:14		16:53:39	244.3	17:24:53	09:36:23	-12.362	-18.815	50
01/26/2026	M	06:45:13	07:16:21	115.5		12:05:27		16:55:01	244.7	17:26:10	09:38:39	-12.577	-18.562	61
01/27/2026	Tu	06:44:21	07:15:24	115.1		12:05:39		16:56:22	245.1	17:27:27	09:40:58	-12.778	-18.304	72
01/28/2026	W	06:43:27	07:14:25	114.7		12:05:51		16:57:45	245.4	17:28:44	09:43:19	-12.965	-18.040	82
01/29/2026	Th	06:42:31	07:13:24	114.3		12:06:01		16:59:07	245.8	17:30:01	09:45:43	-13.139	-17.770	90
01/30/2026	F	06:41:33	07:12:22	113.9		12:06:11		17:00:29	246.2	17:31:19	09:48:08	-13.299	-17.496	96
01/31/2026	Sat	06:40:34	07:11:17	113.5		12:06:19		17:01:52	246.6	17:32:36	09:50:35	-13.445	-17.216	99
02/01/2026	Sun	06:39:32	07:10:10	113.1		12:06:27		17:03:15	247.1	17:33:55	09:53:05	-13.577	-16.931	100
02/02/2026	M	06:38:29	07:09:02	112.7		12:06:34		17:04:38	247.5	17:35:13	09:55:36	-13.696	-16.641	98
02/03/2026	Tu	06:37:23	07:07:52	112.3		12:06:41		17:06:01	247.9	17:36:31	09:58:10	-13.801	-16.347	94
02/04/2026	W	06:36:16	07:06:40	111.8		12:06:46		17:07:25	248.3	17:37:50	10:00:45	-13.893	-16.048	88
02/05/2026	Th	06:35:08	07:05:27	111.4		12:06:51		17:08:48	248.8	17:39:08	10:03:21	-13.971	-15.744	81
02/06/2026	F	06:33:57	07:04:12	111.0		12:06:55		17:10:11	249.2	17:40:27	10:06:00	-14.037	-15.435	72
02/07/2026	Sat	06:32:45	07:02:55	110.5		12:06:58		17:11:35	249.7	17:41:46	10:08:39	-14.089	-15.122	63
02/08/2026	Sun	06:31:32	07:01:37	110.1		12:07:00		17:12:58	250.1	17:43:05	10:11:21	-14.129	-14.805	54
02/09/2026	M	06:30:17	07:00:18	109.6		12:07:02		17:14:21	250.6	17:44:23	10:14:04	-14.155	-14.484	44
02/10/2026	Tu	06:29:00	06:58:56	109.1		12:07:03		17:15:44	251.1	17:45:42	10:16:48	-14.169	-14.159	35
02/11/2026	W	06:27:42	06:57:34	108.7		12:07:03		17:17:07	251.5	17:47:01	10:19:33	-14.170	-13.829	26
02/12/2026	Th	06:26:22	06:56:10	108.2		12:07:02		17:18:30	252.0	17:48:20	10:22:20	-14.159	-13.496	18
02/13/2026	F	06:25:01	06:54:45	107.7		12:07:01		17:19:53	252.5	17:49:39	10:25:08	-14.136	-13.159	11
02/14/2026	Sat	06:23:39	06:53:19	107.2		12:06:59		17:21:16	253.0	17:50:57	10:27:57	-14.101	-12.819	6
02/15/2026	Sun	06:22:15	06:51:51	106.8		12:06:56		17:22:38	253.5	17:52:16	10:30:47	-14.053	-12.475	2
02/16/2026	M	06:20:50	06:50:22	106.3		12:06:52		17:24:00	254.0	17:53:34	10:33:38	-13.994	-12.128	0
02/17/2026	Tu	06:19:23	06:48:52	105.8		12:06:48		17:25:22	254.4	17:54:53	10:36:31	-13.923	-11.777	1
02/18/2026	W	06:17:55	06:47:21	105.3		12:06:43		17:26:44	254.9	17:56:11	10:39:24	-13.841	-11.424	3
02/19/2026	Th	06:16:26	06:45:48	104.8		12:06:37		17:28:06	255.5	17:57:29	10:42:17	-13.747	-11.067	8
02/20/2026	F	06:14:56	06:44:15	104.3		12:06:31		17:29:27	256.0	17:58:47	10:45:12	-13.642	-10.707	15
02/21/2026	Sat	06:13:25	06:42:40	103.8		12:06:24		17:30:48	256.5	18:00:05	10:48:08	-13.526	-10.345	24
02/22/2026	Sun	06:11:52	06:41:05	103.2		12:06:17		17:32:08	257.0	18:01:23	10:51:04	-13.399	-9.981	35
02/23/2026	M	06:10:19	06:39:28	102.7		12:06:08		17:33:29	257.5	18:02:40	10:54:01	-13.261	-9.613	46
02/24/2026	Tu	06:08:44	06:37:51	102.2		12:05:59		17:34:49	258.0	18:03:58	10:56:58	-13.113	-9.243	58

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
02/25/2026	W	06:07:08	06:36:12	101.7		12:05:50		17:36:08	258.6	18:05:15	10:59:56	-12.956	-8.872	69
02/26/2026	Th	06:05:32	06:34:33	101.2		12:05:40		17:37:28	259.1	18:06:32	11:02:55	-12.788	-8.497	79
02/27/2026	F	06:03:54	06:32:53	100.6		12:05:29		17:38:47	259.6	18:07:48	11:05:54	-12.611	-8.121	87
02/28/2026	Sat	06:02:16	06:31:12	100.1		12:05:18		17:40:06	260.1	18:09:05	11:08:53	-12.425	-7.743	94
03/01/2026	Sun	06:00:36	06:29:31	99.6		12:05:06		17:41:24	260.7	18:10:22	11:11:53	-12.230	-7.363	98
03/02/2026	M	05:58:56	06:27:49	99.0		12:04:54		17:42:42	261.2	18:11:38	11:14:54	-12.027	-6.982	100
03/03/2026	Tu	05:57:15	06:26:06	98.5		12:04:42		17:44:00	261.7	18:12:54	11:17:54	-11.816	-6.598	99
03/04/2026	W	05:55:33	06:24:22	98.0		12:04:28		17:45:18	262.3	18:14:10	11:20:56	-11.597	-6.213	97
03/05/2026	Th	05:53:50	06:22:38	97.4		12:04:15		17:46:35	262.8	18:15:26	11:23:57	-11.371	-5.827	92
03/06/2026	F	05:52:06	06:20:53	96.9		12:04:01		17:47:52	263.4	18:16:42	11:26:59	-11.138	-5.439	86
03/07/2026	Sat	05:50:22	06:19:08	96.4		12:03:47		17:49:09	263.9	18:17:58	11:30:01	-10.898	-5.051	79
03/08/2026	Sun*	06:48:37	07:17:22	95.8		13:03:32		18:50:26	264.5	19:19:13	11:33:03	-10.653	-4.661	71
03/09/2026	M*	06:46:52	07:15:36	95.3		13:03:17		18:51:42	265.0	19:20:29	11:36:06	-10.401	-4.270	62
03/10/2026	Tu*	06:45:06	07:13:49	94.7		13:03:01		18:52:58	265.5	19:21:44	11:39:09	-10.144	-3.878	53
03/11/2026	W*	06:43:19	07:12:02	94.2		13:02:46		18:54:14	266.1	19:23:00	11:42:12	-9.882	-3.485	43
03/12/2026	Th*	06:41:32	07:10:14	93.6		13:02:30		18:55:30	266.6	19:24:15	11:45:15	-9.615	-3.091	34
03/13/2026	F*	06:39:45	07:08:27	93.1		13:02:13		18:56:45	267.2	19:25:31	11:48:19	-9.344	-2.697	25
03/14/2026	Sat*	06:37:57	07:06:38	92.5		13:01:57		18:58:01	267.7	19:26:46	11:51:22	-9.069	-2.302	17
03/15/2026	Sun*	06:36:08	07:04:50	92.0		13:01:40		18:59:16	268.3	19:28:01	11:54:26	-8.790	-1.907	10
03/16/2026	M*	06:34:19	07:03:01	91.4		13:01:23		19:00:31	268.8	19:29:17	11:57:29	-8.507	-1.512	5
03/17/2026	Tu*	06:32:30	07:01:12	90.9		13:01:06		19:01:45	269.4	19:30:32	12:00:33	-8.221	-1.117	1
03/18/2026	W*	06:30:40	06:59:23	90.3		13:00:49		19:03:00	269.9	19:31:47	12:03:37	-7.932	-0.721	0
03/19/2026	Th*	06:28:50	06:57:34	89.8		13:00:31		19:04:15	270.5	19:33:03	12:06:41	-7.641	-0.325	2
03/20/2026	F*	06:27:00	06:55:45	89.2	07:01:31	13:00:13	18:57:32	19:05:29	271.0	19:34:18	12:09:44	-7.347	0.070	6
03/21/2026	Sat*	06:25:09	06:53:55	88.7	07:02:51	12:59:56	18:55:36	19:06:43	271.6	19:35:33	12:12:48	-7.051	0.465	12
03/22/2026	Sun*	06:23:18	06:52:06	88.1	07:04:11	12:59:38	18:53:41	19:07:57	272.2	19:36:48	12:15:52	-6.753	0.860	21
03/23/2026	M*	06:21:28	06:50:16	87.6	07:05:31	12:59:20	18:51:45	19:09:11	272.7	19:38:04	12:18:55	-6.454	1.254	31
03/24/2026	Tu*	06:19:36	06:48:26	87.0	07:06:50	12:59:02	18:49:50	19:10:25	273.2	19:39:19	12:21:58	-6.154	1.648	42
03/25/2026	W*	06:17:45	06:46:37	86.5	07:08:10	12:58:44	18:47:54	19:11:38	273.8	19:40:35	12:25:02	-5.852	2.041	54
03/26/2026	Th*	06:15:54	06:44:47	85.9	07:09:29	12:58:26	18:45:59	19:12:52	274.3	19:41:50	12:28:05	-5.550	2.433	65
03/27/2026	F*	06:14:02	06:42:58	85.4	07:10:48	12:58:07	18:44:04	19:14:05	274.9	19:43:05	12:31:07	-5.248	2.825	75
03/28/2026	Sat*	06:12:11	06:41:08	84.8	07:12:07	12:57:49	18:42:09	19:15:18	275.4	19:44:21	12:34:10	-4.946	3.215	84
03/29/2026	Sun*	06:10:19	06:39:19	84.3	07:13:26	12:57:31	18:40:14	19:16:31	276.0	19:45:37	12:37:12	-4.644	3.604	91
03/30/2026	M*	06:08:27	06:37:30	83.8	07:14:45	12:57:13	18:38:20	19:17:44	276.5	19:46:52	12:40:14	-4.343	3.992	96
03/31/2026	Tu*	06:06:36	06:35:41	83.2	07:16:04	12:56:55	18:36:26	19:18:57	277.1	19:48:08	12:43:16	-4.043	4.379	99
04/01/2026	W*	06:04:44	06:33:53	82.7	07:17:22	12:56:37	18:34:32	19:20:10	277.6	19:49:24	12:46:18	-3.745	4.765	100
04/02/2026	Th*	06:02:53	06:32:04	82.1	07:18:41	12:56:20	18:32:38	19:21:23	278.1	19:50:40	12:49:19	-3.449	5.149	99
04/03/2026	F*	06:01:02	06:30:16	81.6	07:19:59	12:56:02	18:30:45	19:22:36	278.7	19:51:56	12:52:20	-3.155	5.532	96
04/04/2026	Sat*	05:59:11	06:28:28	81.1	07:21:18	12:55:44	18:28:52	19:23:49	279.2	19:53:12	12:55:21	-2.864	5.913	91
04/05/2026	Easter*	05:57:20	06:26:41	80.5	07:22:36	12:55:27	18:27:00	19:25:02	279.7	19:54:29	12:58:21	-2.576	6.292	85
04/06/2026	M*	05:55:29	06:24:54	80.0	07:23:55	12:55:10	18:25:08	19:26:15	280.3	19:55:45	13:01:21	-2.291	6.670	78
04/07/2026	Tu*	05:53:39	06:23:08	79.5	07:25:13	12:54:53	18:23:17	19:27:28	280.8	19:57:02	13:04:20	-2.010	7.046	69
04/08/2026	W*	05:51:49	06:21:22	79.0	07:26:32	12:54:37	18:21:26	19:28:41	281.3	19:58:19	13:07:19	-1.734	7.420	60
04/09/2026	Th*	05:49:59	06:19:36	78.4	07:27:50	12:54:20	18:19:36	19:29:54	281.9	19:59:36	13:10:18	-1.461	7.791	51
04/10/2026	F*	05:48:10	06:17:51	77.9	07:29:08	12:54:04	18:17:46	19:31:07	282.4	20:00:54	13:13:16	-1.193	8.161	41
04/11/2026	Sat*	05:46:21	06:16:06	77.4	07:30:27	12:53:48	18:15:57	19:32:20	282.9	20:02:11	13:16:13	-0.931	8.528	32
04/12/2026	Sun*	05:44:33	06:14:23	76.9	07:31:45	12:53:33	18:14:09	19:33:32	283.4	20:03:29	13:19:10	-0.673	8.893	22
04/13/2026	M*	05:42:45	06:12:39	76.4	07:33:03	12:53:18	18:12:22	19:34:46	283.9	20:04:47	13:22:06	-0.421	9.256	14
04/14/2026	Tu*	05:40:57	06:10:57	75.9	07:34:22	12:53:03	18:10:35	19:35:59	284.4	20:06:05	13:25:02	-0.175	9.616	7
04/15/2026	W*	05:39:10	06:09:15	75.4	07:35:40	12:52:49	18:08:49	19:37:12	284.9	20:07:23	13:27:57	0.066	9.973	3
04/16/2026	Th*	05:37:24	06:07:34	74.8	07:36:58	12:52:35	18:07:04	19:38:25	285.4	20:08:41	13:30:51	0.300	10.328	0
04/17/2026	F*	05:35:38	06:05:53	74.3	07:38:17	12:52:21	18:05:19	19:39:38	285.9	20:09:59	13:33:45	0.528	10.680	1
04/18/2026	Sat*	05:33:53	06:04:13	73.8	07:39:35	12:52:08	18:03:36	19:40:51	286.4	20:11:18	13:36:37	0.749	11.029	4
04/19/2026	Sun*	05:32:09	06:02:35	73.4	07:40:53	12:51:55	18:01:53	19:42:04	286.9	20:12:37	13:39:29	0.964	11.374	10
04/20/2026	M*	05:30:25	06:00:57	72.9	07:42:11	12:51:42	18:00:11	19:43:17	287.4	20:13:55	13:42:20	1.172	11.717	18

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
04/21/2026	Tu*	05:28:42	05:59:20	72.4	07:43:29	12:51:30	17:58:30	19:44:30	287.9	20:15:14	13:45:10	1.373	12.056	28
04/22/2026	W*	05:27:00	05:57:43	71.9	07:44:47	12:51:19	17:56:51	19:45:42	288.4	20:16:33	13:47:59	1.566	12.393	39
04/23/2026	Th*	05:25:19	05:56:08	71.4	07:46:04	12:51:07	17:55:12	19:46:55	288.9	20:17:52	13:50:47	1.753	12.725	50
04/24/2026	F*	05:23:38	05:54:34	70.9	07:47:22	12:50:57	17:53:34	19:48:08	289.3	20:19:11	13:53:34	1.932	13.054	61
04/25/2026	Sat*	05:21:58	05:53:00	70.5	07:48:39	12:50:46	17:51:58	19:49:20	289.8	20:20:30	13:56:20	2.103	13.380	71
04/26/2026	Sun*	05:20:20	05:51:28	70.0	07:49:56	12:50:37	17:50:22	19:50:33	290.3	20:21:49	13:59:05	2.267	13.702	80
04/27/2026	M*	05:18:42	05:49:57	69.6	07:51:14	12:50:27	17:48:48	19:51:45	290.7	20:23:08	14:01:48	2.422	14.020	88
04/28/2026	Tu*	05:17:05	05:48:27	69.1	07:52:30	12:50:18	17:47:15	19:52:57	291.2	20:24:27	14:04:30	2.570	14.334	94
04/29/2026	W*	05:15:30	05:46:58	68.7	07:53:47	12:50:10	17:45:43	19:54:09	291.6	20:25:46	14:07:11	2.708	14.644	97
04/30/2026	Th*	05:13:55	05:45:30	68.2	07:55:04	12:50:02	17:44:13	19:55:21	292.1	20:27:04	14:09:51	2.838	14.950	100
05/01/2026	F*	05:12:22	05:44:04	67.8	07:56:20	12:49:55	17:42:43	19:56:33	292.5	20:28:23	14:12:29	2.960	15.252	100
05/02/2026	Sat*	05:10:49	05:42:39	67.3	07:57:36	12:49:48	17:41:15	19:57:44	292.9	20:29:42	14:15:06	3.072	15.550	98
05/03/2026	Sun*	05:09:18	05:41:15	66.9	07:58:51	12:49:42	17:39:49	19:58:56	293.3	20:31:00	14:17:41	3.175	15.844	95
05/04/2026	M*	05:07:48	05:39:52	66.5	08:00:07	12:49:37	17:38:24	20:00:07	293.8	20:32:18	14:20:15	3.269	16.133	90
05/05/2026	Tu*	05:06:20	05:38:31	66.1	08:01:22	12:49:31	17:37:00	20:01:17	294.2	20:33:36	14:22:47	3.353	16.418	83
05/06/2026	W*	05:04:53	05:37:11	65.7	08:02:37	12:49:27	17:35:38	20:02:28	294.6	20:34:54	14:25:17	3.428	16.698	76
05/07/2026	Th*	05:03:27	05:35:53	65.2	08:03:51	12:49:23	17:34:18	20:03:38	295.0	20:36:12	14:27:46	3.493	16.974	67
05/08/2026	F*	05:02:02	05:34:36	64.8	08:05:05	12:49:20	17:32:59	20:04:48	295.4	20:37:29	14:30:12	3.549	17.245	58
05/09/2026	Sat*	05:00:39	05:33:20	64.5	08:06:18	12:49:17	17:31:42	20:05:57	295.8	20:38:46	14:32:37	3.594	17.511	48
05/10/2026	Sun*	04:59:18	05:32:06	64.1	08:07:31	12:49:15	17:30:26	20:07:06	296.2	20:40:03	14:35:00	3.630	17.772	38
05/11/2026	M*	04:57:58	05:30:54	63.7	08:08:44	12:49:13	17:29:12	20:08:15	296.5	20:41:19	14:37:21	3.656	18.029	28
05/12/2026	Tu*	04:56:40	05:29:43	63.3	08:09:56	12:49:12	17:28:00	20:09:23	296.9	20:42:35	14:39:40	3.672	18.280	18
05/13/2026	W*	04:55:23	05:28:34	62.9	08:11:07	12:49:12	17:26:50	20:10:31	297.3	20:43:50	14:41:56	3.679	18.526	10
05/14/2026	Th*	04:54:09	05:27:27	62.6	08:12:18	12:49:12	17:25:41	20:11:38	297.6	20:45:05	14:44:11	3.675	18.768	4
05/15/2026	F*	04:52:55	05:26:22	62.2	08:13:28	12:49:13	17:24:35	20:12:44	298.0	20:46:19	14:46:23	3.662	19.003	1
05/16/2026	Sat*	04:51:44	05:25:18	61.9	08:14:37	12:49:14	17:23:30	20:13:50	298.3	20:47:32	14:48:32	3.639	19.234	0
05/17/2026	Sun*	04:50:35	05:24:16	61.6	08:15:46	12:49:16	17:22:27	20:14:55	298.7	20:48:45	14:50:40	3.607	19.459	3
05/18/2026	M*	04:49:27	05:23:16	61.2	08:16:54	12:49:19	17:21:26	20:16:00	299.0	20:49:57	14:52:44	3.566	19.678	8
05/19/2026	Tu*	04:48:21	05:22:17	60.9	08:18:00	12:49:22	17:20:27	20:17:04	299.3	20:51:08	14:54:46	3.515	19.892	16
05/20/2026	W*	04:47:17	05:21:21	60.6	08:19:06	12:49:25	17:19:30	20:18:06	299.6	20:52:18	14:56:46	3.456	20.100	25
05/21/2026	Th*	04:46:15	05:20:26	60.3	08:20:11	12:49:29	17:18:35	20:19:08	299.9	20:53:27	14:58:42	3.388	20.302	36
05/22/2026	F*	04:45:15	05:19:34	60.0	08:21:15	12:49:34	17:17:42	20:20:09	300.2	20:54:35	15:00:36	3.312	20.499	46
05/23/2026	Sat*	04:44:17	05:18:43	59.7	08:22:18	12:49:39	17:16:51	20:21:09	300.5	20:55:42	15:02:26	3.228	20.690	57
05/24/2026	Sun*	04:43:21	05:17:54	59.4	08:23:19	12:49:45	17:16:02	20:22:08	300.8	20:56:48	15:04:14	3.135	20.874	67
05/25/2026	M*	04:42:28	05:17:07	59.1	08:24:20	12:49:51	17:15:15	20:23:06	301.0	20:57:53	15:05:59	3.034	21.053	76
05/26/2026	Tu*	04:41:36	05:16:23	58.9	08:25:19	12:49:57	17:14:31	20:24:03	301.3	20:58:56	15:07:40	2.926	21.226	84
05/27/2026	W*	04:40:47	05:15:40	58.6	08:26:17	12:50:04	17:13:48	20:24:59	301.5	20:59:59	15:09:19	2.810	21.392	91
05/28/2026	Th*	04:40:00	05:14:59	58.4	08:27:13	12:50:11	17:13:08	20:25:53	301.8	21:00:59	15:10:54	2.686	21.553	95
05/29/2026	F*	04:39:15	05:14:21	58.1	08:28:08	12:50:19	17:12:30	20:26:46	302.0	21:01:59	15:12:26	2.555	21.707	98
05/30/2026	Sat*	04:38:32	05:13:44	57.9	08:29:02	12:50:28	17:11:54	20:27:38	302.2	21:02:57	15:13:54	2.417	21.855	100
05/31/2026	Sun*	04:37:52	05:13:10	57.7	08:29:55	12:50:36	17:11:21	20:28:29	302.5	21:03:53	15:15:19	2.272	21.996	99
06/01/2026	M*	04:37:14	05:12:38	57.5	08:30:45	12:50:45	17:10:50	20:29:18	302.7	21:04:48	15:16:40	2.120	22.132	97
06/02/2026	Tu*	04:36:38	05:12:08	57.3	08:31:35	12:50:55	17:10:21	20:30:06	302.9	21:05:41	15:17:58	1.962	22.260	93
06/03/2026	W*	04:36:05	05:11:41	57.1	08:32:22	12:51:05	17:09:55	20:30:52	303.0	21:06:33	15:19:12	1.797	22.383	88
06/04/2026	Th*	04:35:34	05:11:15	56.9	08:33:08	12:51:15	17:09:31	20:31:37	303.2	21:07:23	15:20:22	1.626	22.499	81
06/05/2026	F*	04:35:06	05:10:52	56.7	08:33:53	12:51:26	17:09:09	20:32:20	303.4	21:08:11	15:21:28	1.450	22.608	73
06/06/2026	Sat*	04:34:40	05:10:31	56.6	08:34:35	12:51:37	17:08:50	20:33:02	303.5	21:08:57	15:22:31	1.268	22.710	63
06/07/2026	Sun*	04:34:17	05:10:12	56.4	08:35:16	12:51:48	17:08:33	20:33:42	303.7	21:09:41	15:23:30	1.081	22.806	53
06/08/2026	M*	04:33:56	05:09:56	56.3	08:35:55	12:51:59	17:08:18	20:34:20	303.8	21:10:23	15:24:24	0.888	22.896	43
06/09/2026	Tu*	04:33:38	05:09:41	56.1	08:36:32	12:52:11	17:08:06	20:34:57	303.9	21:11:04	15:25:15	0.692	22.978	32
06/10/2026	W*	04:33:23	05:09:29	56.0	08:37:07	12:52:23	17:07:56	20:35:31	304.0	21:11:42	15:26:02	0.491	23.054	22
06/11/2026	Th*	04:33:09	05:09:20	55.9	08:37:41	12:52:35	17:07:49	20:36:04	304.1	21:12:18	15:26:45	0.286	23.123	13
06/12/2026	F*	04:32:59	05:09:12	55.8	08:38:12	12:52:48	17:07:43	20:36:35	304.2	21:12:52	15:27:23	0.077	23.186	6
06/13/2026	Sat*	04:32:51	05:09:07	55.7	08:38:41	12:53:01	17:07:41	20:37:05	304.3	21:13:23	15:27:57	-0.134	23.241	2
06/14/2026	Sun*	04:32:46	05:09:04	55.6	08:39:08	12:53:14	17:07:40	20:37:32	304.4	21:13:53	15:28:27	-0.348	23.290	0

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
06/15/2026	M*	04:32:43	05:09:04	55.6	08:39:33	12:53:26	17:07:42	20:37:57	304.5	21:14:20	15:28:53	-0.564	23.331	2
06/16/2026	Tu*	04:32:42	05:09:05	55.5	08:39:56	12:53:40	17:07:47	20:38:20	304.5	21:14:44	15:29:15	-0.781	23.366	6
06/17/2026	W*	04:32:45	05:09:09	55.5	08:40:16	12:53:53	17:07:53	20:38:41	304.5	21:15:07	15:29:32	-1.000	23.394	13
06/18/2026	Th*	04:32:49	05:09:15	55.4	08:40:34	12:54:06	17:08:02	20:39:00	304.6	21:15:27	15:29:45	-1.219	23.415	22
06/19/2026	F*	04:32:57	05:09:23	55.4	08:40:50	12:54:19	17:08:13	20:39:17	304.6	21:15:44	15:29:54	-1.439	23.430	32
06/20/2026	Sat*	04:33:06	05:09:33	55.4	08:41:04	12:54:32	17:08:27	20:39:32	304.6	21:15:59	15:29:59	-1.658	23.437	42
06/21/2026	Sun*	04:33:18	05:09:45	55.4	08:41:15	12:54:45	17:08:42	20:39:44	304.6	21:16:11	15:29:59	-1.877	23.437	52
06/22/2026	M*	04:33:33	05:10:00	55.4	08:41:24	12:54:58	17:09:00	20:39:55	304.6	21:16:21	15:29:55	-2.094	23.431	62
06/23/2026	Tu*	04:33:50	05:10:16	55.4	08:41:31	12:55:11	17:09:20	20:40:03	304.6	21:16:28	15:29:46	-2.310	23.417	72
06/24/2026	W*	04:34:09	05:10:35	55.4	08:41:35	12:55:24	17:09:42	20:40:09	304.5	21:16:33	15:29:34	-2.524	23.397	80
06/25/2026	Th*	04:34:31	05:10:55	55.5	08:41:37	12:55:37	17:10:06	20:40:12	304.5	21:16:35	15:29:17	-2.736	23.370	87
06/26/2026	F*	04:34:55	05:11:18	55.5	08:41:36	12:55:49	17:10:32	20:40:14	304.4	21:16:35	15:28:56	-2.946	23.336	93
06/27/2026	Sat*	04:35:21	05:11:42	55.6	08:41:33	12:56:02	17:11:00	20:40:13	304.4	21:16:32	15:28:30	-3.153	23.295	97
06/28/2026	Sun*	04:35:49	05:12:08	55.7	08:41:28	12:56:14	17:11:31	20:40:09	304.3	21:16:26	15:28:01	-3.356	23.248	99
06/29/2026	M*	04:36:20	05:12:37	55.7	08:41:20	12:56:26	17:12:03	20:40:04	304.2	21:16:18	15:27:27	-3.556	23.193	100
06/30/2026	Tu*	04:36:53	05:13:07	55.8	08:41:10	12:56:38	17:12:37	20:39:56	304.1	21:16:07	15:26:49	-3.753	23.132	99
07/01/2026	W*	04:37:28	05:13:39	55.9	08:40:58	12:56:49	17:13:13	20:39:46	304.0	21:15:53	15:26:07	-3.945	23.064	96
07/02/2026	Th*	04:38:05	05:14:12	56.1	08:40:43	12:57:01	17:13:50	20:39:34	303.9	21:15:38	15:25:21	-4.133	22.990	91
07/03/2026	F*	04:38:44	05:14:48	56.2	08:40:25	12:57:12	17:14:30	20:39:19	303.7	21:15:19	15:24:31	-4.316	22.909	85
07/04/2026	Sat*	04:39:24	05:15:25	56.3	08:40:05	12:57:22	17:15:11	20:39:02	303.6	21:14:58	15:23:37	-4.494	22.821	77
07/05/2026	Sun*	04:40:07	05:16:03	56.4	08:39:43	12:57:33	17:15:54	20:38:43	303.5	21:14:34	15:22:40	-4.666	22.726	68
07/06/2026	M*	04:40:52	05:16:44	56.6	08:39:19	12:57:43	17:16:39	20:38:21	303.3	21:14:08	15:21:38	-4.834	22.625	58
07/07/2026	Tu*	04:41:39	05:17:25	56.8	08:38:52	12:57:52	17:17:25	20:37:58	303.1	21:13:39	15:20:32	-4.995	22.517	47
07/08/2026	W*	04:42:27	05:18:09	56.9	08:38:23	12:58:02	17:18:13	20:37:32	302.9	21:13:08	15:19:23	-5.150	22.403	36
07/09/2026	Th*	04:43:17	05:18:54	57.1	08:37:51	12:58:11	17:19:02	20:37:04	302.8	21:12:35	15:18:10	-5.299	22.283	25
07/10/2026	F*	04:44:09	05:19:40	57.3	08:37:17	12:58:19	17:19:53	20:36:33	302.6	21:11:59	15:16:53	-5.441	22.155	16
07/11/2026	Sat*	04:45:02	05:20:28	57.5	08:36:41	12:58:27	17:20:45	20:36:01	302.4	21:11:20	15:15:33	-5.576	22.022	8
07/12/2026	Sun*	04:45:57	05:21:17	57.7	08:36:03	12:58:35	17:21:39	20:35:26	302.1	21:10:40	15:14:09	-5.704	21.882	3
07/13/2026	M*	04:46:53	05:22:07	57.9	08:35:22	12:58:42	17:22:33	20:34:49	301.9	21:09:56	15:12:42	-5.824	21.736	0
07/14/2026	Tu*	04:47:51	05:22:59	58.2	08:34:39	12:58:49	17:23:30	20:34:10	301.7	21:09:11	15:11:11	-5.936	21.584	1
07/15/2026	W*	04:48:50	05:23:51	58.4	08:33:54	12:58:55	17:24:27	20:33:28	301.4	21:08:23	15:09:37	-6.039	21.426	4
07/16/2026	Th*	04:49:50	05:24:45	58.7	08:33:06	12:59:01	17:25:25	20:32:45	301.2	21:07:33	15:08:00	-6.134	21.261	10
07/17/2026	F*	04:50:52	05:25:40	58.9	08:32:17	12:59:06	17:26:25	20:31:59	300.9	21:06:41	15:06:19	-6.220	21.091	18
07/18/2026	Sat*	04:51:54	05:26:36	59.2	08:31:25	12:59:10	17:27:25	20:31:12	300.7	21:05:46	15:04:36	-6.296	20.915	27
07/19/2026	Sun*	04:52:58	05:27:33	59.4	08:30:31	12:59:14	17:28:26	20:30:22	300.4	21:04:50	15:02:49	-6.364	20.732	37
07/20/2026	M*	04:54:03	05:28:31	59.7	08:29:35	12:59:18	17:29:29	20:29:31	300.1	21:03:51	15:01:00	-6.421	20.544	47
07/21/2026	Tu*	04:55:08	05:29:29	60.0	08:28:37	12:59:21	17:30:32	20:28:37	299.8	21:02:50	14:59:08	-6.469	20.350	57
07/22/2026	W*	04:56:15	05:30:29	60.3	08:27:37	12:59:23	17:31:36	20:27:41	299.5	21:01:47	14:57:13	-6.508	20.151	66
07/23/2026	Th*	04:57:22	05:31:29	60.6	08:26:35	12:59:25	17:32:41	20:26:44	299.2	21:00:42	14:55:15	-6.536	19.946	75
07/24/2026	F*	04:58:31	05:32:30	60.9	08:25:31	12:59:26	17:33:46	20:25:44	298.9	20:59:36	14:53:15	-6.554	19.736	82
07/25/2026	Sat*	04:59:40	05:33:31	61.3	08:24:25	12:59:26	17:34:53	20:24:43	298.5	20:58:27	14:51:12	-6.562	19.520	89
07/26/2026	Sun*	05:00:49	05:34:33	61.6	08:23:18	12:59:26	17:36:00	20:23:40	298.2	20:57:16	14:49:07	-6.560	19.298	94
07/27/2026	M*	05:01:59	05:35:36	61.9	08:22:08	12:59:25	17:37:07	20:22:35	297.9	20:56:04	14:46:59	-6.548	19.072	98
07/28/2026	Tu*	05:03:10	05:36:40	62.3	08:20:56	12:59:24	17:38:15	20:21:28	297.5	20:54:50	14:44:49	-6.526	18.840	100
07/29/2026	W*	05:04:22	05:37:44	62.6	08:19:43	12:59:22	17:39:24	20:20:20	297.2	20:53:34	14:42:36	-6.493	18.603	100
07/30/2026	Th*	05:05:34	05:38:48	63.0	08:18:28	12:59:20	17:40:33	20:19:10	296.8	20:52:16	14:40:22	-6.451	18.361	98
07/31/2026	F*	05:06:46	05:39:53	63.3	08:17:12	12:59:16	17:41:43	20:17:58	296.4	20:50:57	14:38:05	-6.398	18.114	94
08/01/2026	Sat*	05:07:59	05:40:58	63.7	08:15:53	12:59:13	17:42:53	20:16:45	296.1	20:49:36	14:35:47	-6.335	17.862	88
08/02/2026	Sun*	05:09:12	05:42:04	64.1	08:14:34	12:59:08	17:44:03	20:15:30	295.7	20:48:14	14:33:26	-6.263	17.605	80
08/03/2026	M*	05:10:26	05:43:10	64.5	08:13:12	12:59:03	17:45:14	20:14:13	295.3	20:46:50	14:31:03	-6.180	17.343	71
08/04/2026	Tu*	05:11:40	05:44:17	64.9	08:11:49	12:58:58	17:46:26	20:12:55	294.9	20:45:24	14:28:39	-6.088	17.077	61
08/05/2026	W*	05:12:54	05:45:24	65.3	08:10:24	12:58:52	17:47:37	20:11:36	294.5	20:43:58	14:26:12	-5.986	16.806	50
08/06/2026	Th*	05:14:08	05:46:31	65.7	08:08:58	12:58:45	17:48:49	20:10:15	294.1	20:42:29	14:23:44	-5.875	16.530	39
08/07/2026	F*	05:15:23	05:47:38	66.1	08:07:31	12:58:38	17:50:01	20:08:53	293.7	20:41:00	14:21:14	-5.753	16.250	28
08/08/2026	Sat*	05:16:38	05:48:46	66.5	08:06:02	12:58:30	17:51:14	20:07:29	293.3	20:39:29	14:18:43	-5.623	15.966	18

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
08/09/2026	Sun*	05:17:53	05:49:54	66.9	08:04:32	12:58:22	17:52:27	20:06:04	292.8	20:37:57	14:16:10	-5.483	15.677	10
08/10/2026	M*	05:19:08	05:51:02	67.3	08:03:00	12:58:13	17:53:40	20:04:37	292.4	20:36:23	14:13:36	-5.333	15.384	4
08/11/2026	Tu*	05:20:23	05:52:10	67.8	08:01:27	12:58:03	17:54:53	20:03:10	292.0	20:34:49	14:11:00	-5.174	15.087	1
08/12/2026	W*	05:21:38	05:53:18	68.2	07:59:53	12:57:53	17:56:06	20:01:41	291.6	20:33:13	14:08:23	-5.006	14.786	0
08/13/2026	Th*	05:22:54	05:54:27	68.6	07:58:18	12:57:42	17:57:19	20:00:11	291.1	20:31:36	14:05:44	-4.829	14.481	3
08/14/2026	F*	05:24:09	05:55:36	69.1	07:56:42	12:57:31	17:58:33	19:58:40	290.7	20:29:59	14:03:04	-4.642	14.172	7
08/15/2026	Sat*	05:25:24	05:56:44	69.5	07:55:04	12:57:19	17:59:47	19:57:07	290.2	20:28:20	14:00:23	-4.446	13.860	14
08/16/2026	Sun*	05:26:40	05:57:53	70.0	07:53:25	12:57:07	18:01:00	19:55:34	289.8	20:26:40	13:57:41	-4.242	13.544	22
08/17/2026	M*	05:27:55	05:59:02	70.4	07:51:45	12:56:54	18:02:14	19:53:59	289.3	20:24:59	13:54:58	-4.028	13.224	31
08/18/2026	Tu*	05:29:10	06:00:11	70.9	07:50:04	12:56:41	18:03:28	19:52:24	288.8	20:23:17	13:52:13	-3.806	12.901	41
08/19/2026	W*	05:30:25	06:01:19	71.4	07:48:22	12:56:27	18:04:41	19:50:47	288.4	20:21:34	13:49:28	-3.575	12.574	50
08/20/2026	Th*	05:31:40	06:02:28	71.8	07:46:39	12:56:13	18:05:55	19:49:10	287.9	20:19:51	13:46:42	-3.336	12.244	60
08/21/2026	F*	05:32:54	06:03:37	72.3	07:44:55	12:55:58	18:07:09	19:47:31	287.4	20:18:07	13:43:54	-3.089	11.911	69
08/22/2026	Sat*	05:34:09	06:04:46	72.8	07:43:10	12:55:43	18:08:22	19:45:52	286.9	20:16:22	13:41:06	-2.834	11.575	77
08/23/2026	Sun*	05:35:23	06:05:54	73.3	07:41:25	12:55:27	18:09:36	19:44:12	286.4	20:14:36	13:38:17	-2.572	11.236	85
08/24/2026	M*	05:36:37	06:07:03	73.8	07:39:38	12:55:11	18:10:50	19:42:30	286.0	20:12:49	13:35:28	-2.302	10.894	91
08/25/2026	Tu*	05:37:51	06:08:11	74.3	07:37:51	12:54:54	18:12:04	19:40:49	285.5	20:11:02	13:32:37	-2.025	10.549	96
08/26/2026	W*	05:39:05	06:09:20	74.7	07:36:02	12:54:37	18:13:17	19:39:06	285.0	20:09:14	13:29:46	-1.741	10.202	99
08/27/2026	Th*	05:40:19	06:10:29	75.2	07:34:13	12:54:20	18:14:31	19:37:22	284.5	20:07:26	13:26:54	-1.451	9.851	100
08/28/2026	F*	05:41:32	06:11:37	75.7	07:32:24	12:54:02	18:15:45	19:35:38	284.0	20:05:37	13:24:01	-1.154	9.498	99
08/29/2026	Sat*	05:42:45	06:12:46	76.2	07:30:33	12:53:44	18:16:58	19:33:54	283.5	20:03:47	13:21:08	-0.852	9.143	96
08/30/2026	Sun*	05:43:59	06:13:54	76.8	07:28:42	12:53:25	18:18:12	19:32:08	283.0	20:01:57	13:18:14	-0.544	8.785	91
08/31/2026	M*	05:45:12	06:15:02	77.3	07:26:51	12:53:06	18:19:26	19:30:22	282.5	20:00:07	13:15:20	-0.231	8.425	83
09/01/2026	Tu*	05:46:24	06:16:11	77.8	07:24:59	12:52:47	18:20:40	19:28:36	281.9	19:58:16	13:12:25	0.087	8.062	74
09/02/2026	W*	05:47:37	06:17:19	78.3	07:23:06	12:52:28	18:21:54	19:26:49	281.4	19:56:25	13:09:29	0.410	7.697	64
09/03/2026	Th*	05:48:50	06:18:28	78.8	07:21:13	12:52:08	18:23:07	19:25:01	280.9	19:54:33	13:06:33	0.737	7.331	52
09/04/2026	F*	05:50:02	06:19:36	79.3	07:19:19	12:51:49	18:24:21	19:23:13	280.4	19:52:41	13:03:37	1.067	6.962	41
09/05/2026	Sat*	05:51:14	06:20:44	79.8	07:17:25	12:51:28	18:25:35	19:21:25	279.9	19:50:49	13:00:40	1.402	6.591	30
09/06/2026	Sun*	05:52:26	06:21:53	80.4	07:15:30	12:51:08	18:26:49	19:19:36	279.4	19:48:57	12:57:43	1.739	6.218	20
09/07/2026	M*	05:53:38	06:23:01	80.9	07:13:35	12:50:48	18:28:03	19:17:46	278.8	19:47:04	12:54:45	2.080	5.844	11
09/08/2026	Tu*	05:54:50	06:24:10	81.4	07:11:40	12:50:27	18:29:17	19:15:57	278.3	19:45:11	12:51:47	2.424	5.468	5
09/09/2026	W*	05:56:02	06:25:18	81.9	07:09:44	12:50:06	18:30:32	19:14:07	277.8	19:43:18	12:48:48	2.770	5.090	1
09/10/2026	Th*	05:57:13	06:26:27	82.5	07:07:48	12:49:46	18:31:46	19:12:17	277.2	19:41:25	12:45:50	3.118	4.712	0
09/11/2026	F*	05:58:25	06:27:35	83.0	07:05:52	12:49:24	18:33:00	19:10:26	276.7	19:39:32	12:42:51	3.469	4.331	1
09/12/2026	Sat*	05:59:36	06:28:44	83.5	07:03:56	12:49:03	18:34:14	19:08:35	276.2	19:37:38	12:39:51	3.821	3.950	5
09/13/2026	Sun*	06:00:47	06:29:53	84.1	07:01:59	12:48:42	18:35:29	19:06:44	275.6	19:35:45	12:36:52	4.175	3.567	10
09/14/2026	M*	06:01:58	06:31:01	84.6	07:00:02	12:48:21	18:36:43	19:04:53	275.1	19:33:51	12:33:52	4.530	3.183	17
09/15/2026	Tu*	06:03:09	06:32:10	85.1	06:58:05	12:47:59	18:37:58	19:03:02	274.6	19:31:58	12:30:52	4.886	2.798	25
09/16/2026	W*	06:04:20	06:33:19	85.7	06:56:08	12:47:38	18:39:12	19:01:11	274.0	19:30:05	12:27:52	5.242	2.413	34
09/17/2026	Th*	06:05:31	06:34:27	86.2	06:54:10	12:47:17	18:40:27	18:59:19	273.5	19:28:11	12:24:52	5.599	2.026	43
09/18/2026	F*	06:06:41	06:35:36	86.8	06:52:13	12:46:55	18:41:42	18:57:28	273.0	19:26:18	12:21:51	5.956	1.639	53
09/19/2026	Sat*	06:07:52	06:36:45	87.3	06:50:16	12:46:34	18:42:57	18:55:36	272.4	19:24:25	12:18:51	6.313	1.252	62
09/20/2026	Sun*	06:09:02	06:37:54	87.8	06:48:18	12:46:12	18:44:12	18:53:44	271.9	19:22:32	12:15:50	6.669	0.864	71
09/21/2026	M*	06:10:13	06:39:03	88.4	06:46:21	12:45:51	18:45:27	18:51:53	271.3	19:20:39	12:12:50	7.024	0.475	79
09/22/2026	Tu*	06:11:23	06:40:13	88.9	06:44:23	12:45:30	18:46:43	18:50:01	270.8	19:18:47	12:09:49	7.378	0.086	87
09/23/2026	W*	06:12:33	06:41:22	89.5		12:45:09		18:48:10	270.3	19:16:55	12:06:48	7.730	-0.303	93
09/24/2026	Th*	06:13:44	06:42:31	90.0		12:44:48		18:46:19	269.7	19:15:03	12:03:47	8.080	-0.692	97
09/25/2026	F*	06:14:54	06:43:41	90.6		12:44:27		18:44:28	269.2	19:13:11	12:00:47	8.428	-1.081	100
09/26/2026	Sat*	06:16:04	06:44:51	91.1		12:44:06		18:42:37	268.6	19:11:20	11:57:46	8.772	-1.470	100
09/27/2026	Sun*	06:17:14	06:46:01	91.6		12:43:46		18:40:46	268.1	19:09:29	11:54:45	9.113	-1.859	97
09/28/2026	M*	06:18:25	06:47:11	92.2		12:43:26		18:38:55	267.5	19:07:38	11:51:45	9.451	-2.248	93
09/29/2026	Tu*	06:19:35	06:48:21	92.7		12:43:06		18:37:05	267.0	19:05:48	11:48:44	9.785	-2.636	86
09/30/2026	W*	06:20:46	06:49:32	93.3		12:42:46		18:35:15	266.5	19:03:58	11:45:44	10.114	-3.024	77
10/01/2026	Th*	06:21:56	06:50:43	93.8		12:42:26		18:33:26	265.9	19:02:09	11:42:43	10.438	-3.412	66
10/02/2026	F*	06:23:07	06:51:54	94.3		12:42:07		18:31:37	265.4	19:00:20	11:39:43	10.757	-3.799	55
10/03/2026	Sat*	06:24:18	06:53:05	94.9		12:41:48		18:29:48	264.9	18:58:32	11:36:43	11.070	-4.185	44

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
10/04/2026	Sun*	06:25:29	06:54:17	95.4		12:41:30		18:28:00	264.3	18:56:45	11:33:43	11.377	-4.570	33
10/05/2026	M*	06:26:40	06:55:29	96.0		12:41:12		18:26:12	263.8	18:54:58	11:30:43	11.678	-4.955	23
10/06/2026	Tu*	06:27:51	06:56:41	96.5		12:40:54		18:24:24	263.2	18:53:12	11:27:43	11.973	-5.339	14
10/07/2026	W*	06:29:02	06:57:54	97.0		12:40:37		18:22:38	262.7	18:51:26	11:24:44	12.260	-5.721	7
10/08/2026	Th*	06:30:14	06:59:06	97.6		12:40:20		18:20:51	262.2	18:49:41	11:21:45	12.541	-6.102	3
10/09/2026	F*	06:31:26	07:00:20	98.1		12:40:04		18:19:06	261.7	18:47:57	11:18:46	12.814	-6.482	0
10/10/2026	Sat*	06:32:37	07:01:33	98.6		12:39:48		18:17:21	261.1	18:46:14	11:15:48	13.079	-6.861	0
10/11/2026	Sun*	06:33:49	07:02:47	99.2		12:39:32		18:15:36	260.6	18:44:31	11:12:50	13.336	-7.238	2
10/12/2026	M*	06:35:01	07:04:01	99.7		12:39:17		18:13:53	260.1	18:42:50	11:09:52	13.586	-7.613	6
10/13/2026	Tu*	06:36:14	07:05:15	100.2		12:39:03		18:12:10	259.6	18:41:09	11:06:55	13.826	-7.987	12
10/14/2026	W*	06:37:26	07:06:30	100.7		12:38:49		18:10:28	259.0	18:39:29	11:03:58	14.058	-8.358	19
10/15/2026	Th*	06:38:39	07:07:45	101.2		12:38:36		18:08:46	258.5	18:37:50	11:01:02	14.281	-8.728	27
10/16/2026	F*	06:39:51	07:09:00	101.8		12:38:23		18:07:06	258.0	18:36:12	10:58:06	14.495	-9.096	36
10/17/2026	Sat*	06:41:04	07:10:15	102.3		12:38:11		18:05:26	257.5	18:34:35	10:55:11	14.699	-9.461	45
10/18/2026	Sun*	06:42:17	07:11:31	102.8		12:37:59		18:03:47	257.0	18:32:59	10:52:16	14.893	-9.825	54
10/19/2026	M*	06:43:31	07:12:47	103.3		12:37:48		18:02:09	256.5	18:31:24	10:49:22	15.078	-10.185	64
10/20/2026	Tu*	06:44:44	07:14:04	103.8		12:37:37		18:00:33	256.0	18:29:50	10:46:29	15.252	-10.543	73
10/21/2026	W*	06:45:57	07:15:20	104.3		12:37:28		17:58:57	255.5	18:28:17	10:43:36	15.415	-10.899	81
10/22/2026	Th*	06:47:11	07:16:37	104.8		12:37:19		17:57:22	255.0	18:26:46	10:40:45	15.568	-11.252	89
10/23/2026	F*	06:48:25	07:17:54	105.3		12:37:10		17:55:48	254.5	18:25:15	10:37:54	15.710	-11.602	95
10/24/2026	Sat*	06:49:39	07:19:12	105.8		12:37:02		17:54:15	254.0	18:23:46	10:35:04	15.840	-11.949	98
10/25/2026	Sun*	06:50:53	07:20:29	106.3		12:36:55		17:52:44	253.5	18:22:18	10:32:14	15.958	-12.293	100
10/26/2026	M*	06:52:07	07:21:47	106.8		12:36:49		17:51:13	253.0	18:20:52	10:29:26	16.064	-12.634	99
10/27/2026	Tu*	06:53:22	07:23:06	107.3		12:36:43		17:49:44	252.5	18:19:27	10:26:39	16.158	-12.972	95
10/28/2026	W*	06:54:36	07:24:24	107.7		12:36:38		17:48:16	252.1	18:18:03	10:23:52	16.240	-13.306	88
10/29/2026	Th*	06:55:51	07:25:43	108.2		12:36:34		17:46:50	251.6	18:16:40	10:21:07	16.308	-13.637	80
10/30/2026	F*	06:57:06	07:27:02	108.7		12:36:31		17:45:25	251.1	18:15:19	10:18:23	16.363	-13.965	69
10/31/2026	Sat*	06:58:21	07:28:21	109.1		12:36:28		17:44:01	250.7	18:14:00	10:15:40	16.405	-14.288	58
11/01/2026	Sun	05:59:36	06:29:40	109.6		11:36:27		16:42:39	250.2	17:12:42	10:12:58	16.434	-14.608	47
11/02/2026	M	06:00:51	06:31:00	110.0		11:36:26		16:41:18	249.8	17:11:25	10:10:18	16.448	-14.924	36
11/03/2026	Tu	06:02:06	06:32:19	110.5		11:36:26		16:39:58	249.3	17:10:10	10:07:39	16.449	-15.236	26
11/04/2026	W	06:03:22	06:33:39	110.9		11:36:26		16:38:41	248.9	17:08:57	10:05:01	16.436	-15.544	17
11/05/2026	Th	06:04:37	06:34:59	111.4		11:36:28		16:37:24	248.4	17:07:46	10:02:25	16.409	-15.848	10
11/06/2026	F	06:05:52	06:36:19	111.8		11:36:31		16:36:10	248.0	17:06:36	09:59:51	16.368	-16.147	5
11/07/2026	Sat	06:07:07	06:37:39	112.2		11:36:34		16:34:57	247.6	17:05:28	09:57:18	16.312	-16.442	1
11/08/2026	Sun	06:08:23	06:38:59	112.7		11:36:38		16:33:46	247.2	17:04:21	09:54:47	16.243	-16.732	0
11/09/2026	M	06:09:38	06:40:19	113.1		11:36:43		16:32:37	246.8	17:03:17	09:52:18	16.159	-17.018	1
11/10/2026	Tu	06:10:53	06:41:39	113.5		11:36:49		16:31:29	246.4	17:02:14	09:49:50	16.062	-17.298	4
11/11/2026	W	06:12:08	06:42:59	113.9		11:36:56		16:30:23	246.0	17:01:13	09:47:25	15.950	-17.574	8
11/12/2026	Th	06:13:22	06:44:18	114.3		11:37:03		16:29:19	245.6	17:00:14	09:45:01	15.824	-17.845	14
11/13/2026	F	06:14:37	06:45:37	114.7		11:37:12		16:28:17	245.2	16:59:17	09:42:40	15.684	-18.110	21
11/14/2026	Sat	06:15:51	06:46:57	115.0		11:37:21		16:27:17	244.8	16:58:22	09:40:21	15.530	-18.370	29
11/15/2026	Sun	06:17:05	06:48:15	115.4		11:37:31		16:26:19	244.4	16:57:29	09:38:04	15.362	-18.625	38
11/16/2026	M	06:18:18	06:49:34	115.8		11:37:42		16:25:23	244.1	16:56:38	09:35:49	15.181	-18.874	47
11/17/2026	Tu	06:19:31	06:50:52	116.1		11:37:53		16:24:29	243.7	16:55:49	09:33:37	14.986	-19.118	57
11/18/2026	W	06:20:44	06:52:09	116.5		11:38:06		16:23:37	243.4	16:55:02	09:31:27	14.777	-19.356	67
11/19/2026	Th	06:21:56	06:53:27	116.8		11:38:19		16:22:47	243.0	16:54:17	09:29:21	14.555	-19.588	76
11/20/2026	F	06:23:08	06:54:43	117.2		11:38:33		16:21:59	242.7	16:53:34	09:27:16	14.320	-19.814	84
11/21/2026	Sat	06:24:19	06:55:59	117.5		11:38:48		16:21:14	242.4	16:52:54	09:25:15	14.071	-20.035	92
11/22/2026	Sun	06:25:29	06:57:14	117.8		11:39:04		16:20:31	242.1	16:52:15	09:23:16	13.810	-20.249	97
11/23/2026	M	06:26:39	06:58:29	118.1		11:39:20		16:19:50	241.8	16:51:39	09:21:21	13.535	-20.456	100
11/24/2026	Tu	06:27:49	06:59:43	118.4		11:39:38		16:19:11	241.5	16:51:05	09:19:28	13.248	-20.658	99
11/25/2026	W	06:28:57	07:00:56	118.7		11:39:56		16:18:35	241.2	16:50:33	09:17:39	12.948	-20.853	96
11/26/2026	Th	06:30:05	07:02:08	119.0		11:40:14		16:18:01	240.9	16:50:04	09:15:52	12.635	-21.042	91
11/27/2026	F	06:31:12	07:03:20	119.3		11:40:34		16:17:29	240.6	16:49:36	09:14:09	12.310	-21.224	82

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
11/28/2026	Sat	06:32:18	07:04:30	119.5		11:40:54		16:17:00	240.4	16:49:12	09:12:30	11.973	-21.400	73
11/29/2026	Sun	06:33:23	07:05:39	119.8		11:41:15		16:16:33	240.1	16:48:49	09:10:54	11.624	-21.569	62
11/30/2026	M	06:34:27	07:06:48	120.0		11:41:37		16:16:09	239.9	16:48:29	09:09:21	11.263	-21.731	51
12/01/2026	Tu	06:35:30	07:07:55	120.3		11:41:59		16:15:47	239.6	16:48:11	09:07:52	10.891	-21.886	40
12/02/2026	W	06:36:32	07:09:01	120.5		11:42:22		16:15:28	239.4	16:47:56	09:06:27	10.508	-22.034	30
12/03/2026	Th	06:37:33	07:10:05	120.7		11:42:46		16:15:11	239.2	16:47:43	09:05:05	10.114	-22.175	21
12/04/2026	F	06:38:33	07:11:09	120.9		11:43:10		16:14:57	239.0	16:47:32	09:03:48	9.711	-22.309	14
12/05/2026	Sat	06:39:32	07:12:11	121.1		11:43:35		16:14:45	238.8	16:47:24	09:02:34	9.297	-22.436	8
12/06/2026	Sun	06:40:29	07:13:11	121.3		11:44:00		16:14:36	238.6	16:47:18	09:01:25	8.875	-22.555	3
12/07/2026	M	06:41:25	07:14:10	121.5		11:44:26		16:14:30	238.5	16:47:15	09:00:20	8.443	-22.667	1
12/08/2026	Tu	06:42:19	07:15:08	121.6		11:44:52		16:14:26	238.3	16:47:14	08:59:18	8.004	-22.772	0
12/09/2026	W	06:43:12	07:16:03	121.8		11:45:19		16:14:25	238.2	16:47:16	08:58:21	7.557	-22.869	1
12/10/2026	Th	06:44:04	07:16:57	121.9		11:45:46		16:14:26	238.0	16:47:19	08:57:29	7.103	-22.959	4
12/11/2026	F	06:44:54	07:17:50	122.0		11:46:14		16:14:30	237.9	16:47:26	08:56:40	6.642	-23.041	9
12/12/2026	Sat	06:45:42	07:18:40	122.1		11:46:42		16:14:36	237.8	16:47:34	08:55:56	6.175	-23.115	15
12/13/2026	Sun	06:46:29	07:19:29	122.2		11:47:10		16:14:45	237.7	16:47:45	08:55:17	5.703	-23.182	22
12/14/2026	M	06:47:13	07:20:15	122.3		11:47:39		16:14:57	237.6	16:47:58	08:54:42	5.225	-23.241	30
12/15/2026	Tu	06:47:57	07:21:00	122.4		11:48:08		16:15:11	237.6	16:48:14	08:54:11	4.744	-23.293	39
12/16/2026	W	06:48:38	07:21:42	122.5		11:48:37		16:15:28	237.5	16:48:32	08:53:46	4.259	-23.336	49
12/17/2026	Th	06:49:17	07:22:22	122.5		11:49:06		16:15:47	237.4	16:48:52	08:53:24	3.771	-23.372	60
12/18/2026	F	06:49:54	07:23:01	122.6		11:49:36		16:16:08	237.4	16:49:14	08:53:08	3.280	-23.400	70
12/19/2026	Sat	06:50:30	07:23:37	122.6		11:50:05		16:16:32	237.4	16:49:39	08:52:56	2.787	-23.420	79
12/20/2026	Sun	06:51:03	07:24:10	122.6		11:50:35		16:16:59	237.4	16:50:06	08:52:48	2.293	-23.433	88
12/21/2026	M	06:51:35	07:24:42	122.7		11:51:05		16:17:28	237.3	16:50:35	08:52:46	1.797	-23.437	94
12/22/2026	Tu	06:52:04	07:25:11	122.7		11:51:34		16:17:59	237.4	16:51:06	08:52:48	1.302	-23.434	99
12/23/2026	W	06:52:31	07:25:38	122.6		11:52:04		16:18:32	237.4	16:51:39	08:52:54	0.806	-23.423	100
12/24/2026	Th	06:52:56	07:26:02	122.6		11:52:34		16:19:08	237.4	16:52:14	08:53:05	0.311	-23.404	98
12/25/2026	F	06:53:19	07:26:25	122.6		11:53:04		16:19:46	237.4	16:52:51	08:53:21	-0.183	-23.377	93
12/26/2026	Sat	06:53:40	07:26:44	122.5		11:53:33		16:20:26	237.5	16:53:31	08:53:42	-0.676	-23.343	86
12/27/2026	Sun	06:53:58	07:27:02	122.5		11:54:03		16:21:09	237.6	16:54:12	08:54:07	-1.167	-23.300	77
12/28/2026	M	06:54:15	07:27:16	122.4		11:54:32		16:21:53	237.6	16:54:55	08:54:37	-1.655	-23.250	67
12/29/2026	Tu	06:54:29	07:27:29	122.3		11:55:01		16:22:40	237.7	16:55:40	08:55:11	-2.140	-23.192	57
12/30/2026	W	06:54:41	07:27:39	122.2		11:55:30		16:23:29	237.8	16:56:27	08:55:50	-2.622	-23.126	46
12/31/2026	Th	06:54:50	07:27:46	122.1		11:55:59		16:24:20	238.0	16:57:16	08:56:34	-3.100	-23.053	36
01/01/2027	F	06:54:57	07:27:51	122.0		11:56:27		16:25:12	238.1	16:58:06	08:57:22	-3.573	-22.972	27
01/02/2027	Sat	06:55:02	07:27:53	121.8		11:56:55		16:26:07	238.2	16:58:58	08:58:14	-4.041	-22.883	19
01/03/2027	Sun	06:55:05	07:27:53	121.7		11:57:23		16:27:04	238.4	16:59:52	08:59:10	-4.504	-22.787	12
01/04/2027	M	06:55:05	07:27:50	121.5		11:57:50		16:28:02	238.5	17:00:47	09:00:11	-4.960	-22.683	6
01/05/2027	Tu	06:55:03	07:27:45	121.4		11:58:17		16:29:02	238.7	17:01:44	09:01:17	-5.410	-22.571	3
01/06/2027	W	06:54:58	07:27:37	121.2		11:58:44		16:30:03	238.9	17:02:43	09:02:26	-5.852	-22.452	1
01/07/2027	Th	06:54:52	07:27:27	121.0		11:59:10		16:31:06	239.1	17:03:42	09:03:39	-6.286	-22.326	0
01/08/2027	F	06:54:42	07:27:14	120.8		11:59:35		16:32:11	239.3	17:04:44	09:04:57	-6.712	-22.192	2
01/09/2027	Sat	06:54:31	07:26:59	120.6		12:00:00		16:33:17	239.5	17:05:46	09:06:18	-7.129	-22.051	5
01/10/2027	Sun	06:54:17	07:26:41	120.4		12:00:25		16:34:25	239.7	17:06:50	09:07:43	-7.537	-21.903	10
01/11/2027	M	06:54:01	07:26:21	120.2		12:00:49		16:35:34	239.9	17:07:54	09:09:12	-7.935	-21.748	16
01/12/2027	Tu	06:53:42	07:25:58	119.9		12:01:12		16:36:44	240.2	17:09:00	09:10:45	-8.323	-21.586	24
01/13/2027	W	06:53:21	07:25:33	119.7		12:01:35		16:37:55	240.4	17:10:07	09:12:22	-8.701	-21.416	33
01/14/2027	Th	06:52:58	07:25:06	119.4		12:01:57		16:39:07	240.7	17:11:15	09:14:02	-9.067	-21.240	43
01/15/2027	F	06:52:32	07:24:36	119.1		12:02:18		16:40:21	241.0	17:12:24	09:15:45	-9.422	-21.057	53
01/16/2027	Sat	06:52:05	07:24:03	118.9		12:02:39		16:41:35	241.3	17:13:34	09:17:32	-9.766	-20.868	64
01/17/2027	Sun	06:51:34	07:23:28	118.6		12:02:58		16:42:50	241.6	17:14:45	09:19:22	-10.098	-20.672	75
01/18/2027	M	06:51:02	07:22:51	118.3		12:03:18		16:44:06	241.9	17:15:56	09:21:15	-10.417	-20.469	84
01/19/2027	Tu	06:50:27	07:22:12	118.0		12:03:36		16:45:23	242.2	17:17:08	09:23:12	-10.725	-20.260	92
01/20/2027	W	06:49:51	07:21:30	117.6		12:03:54		16:46:41	242.5	17:18:21	09:25:11	-11.019	-20.044	97
01/21/2027	Th	06:49:12	07:20:46	117.3		12:04:11		16:48:00	242.8	17:19:35	09:27:13	-11.301	-19.823	100

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
01/22/2027	F	06:48:30	07:20:00	117.0		12:04:27		16:49:19	243.2	17:20:49	09:29:19	-11.571	-19.595	99
01/23/2027	Sat	06:47:47	07:19:12	116.6		12:04:42		16:50:38	243.5	17:22:04	09:31:27	-11.827	-19.361	96
01/24/2027	Sun	06:47:02	07:18:21	116.3		12:04:57		16:51:59	243.8	17:23:19	09:33:37	-12.071	-19.121	90
01/25/2027	M	06:46:14	07:17:29	115.9		12:05:11		16:53:19	244.2	17:24:35	09:35:50	-12.301	-18.875	82
01/26/2027	Tu	06:45:25	07:16:34	115.6		12:05:24		16:54:41	244.6	17:25:51	09:38:06	-12.519	-18.624	73
01/27/2027	W	06:44:33	07:15:38	115.2		12:05:36		16:56:02	245.0	17:27:08	09:40:24	-12.723	-18.367	63
01/28/2027	Th	06:43:40	07:14:39	114.8		12:05:47		16:57:24	245.3	17:28:25	09:42:45	-12.915	-18.104	53
01/29/2027	F	06:42:44	07:13:39	114.4		12:05:58		16:58:47	245.7	17:29:42	09:45:08	-13.093	-17.836	43
01/30/2027	Sat	06:41:47	07:12:37	114.0		12:06:08		17:00:09	246.1	17:31:00	09:47:33	-13.258	-17.562	34
01/31/2027	Sun	06:40:48	07:11:32	113.6		12:06:17		17:01:32	246.5	17:32:18	09:50:00	-13.409	-17.284	25
02/01/2027	M	06:39:47	07:10:26	113.2		12:06:25		17:02:55	247.0	17:33:36	09:52:29	-13.547	-17.000	17
02/02/2027	Tu	06:38:44	07:09:19	112.8		12:06:33		17:04:19	247.4	17:34:54	09:55:00	-13.672	-16.711	11
02/03/2027	W	06:37:39	07:08:09	112.4		12:06:40		17:05:42	247.8	17:36:13	09:57:33	-13.783	-16.417	6
02/04/2027	Th	06:36:33	07:06:58	111.9		12:06:45		17:07:06	248.2	17:37:32	10:00:08	-13.881	-16.119	2
02/05/2027	F	06:35:25	07:05:45	111.5		12:06:51		17:08:29	248.7	17:38:50	10:02:44	-13.966	-15.816	0
02/06/2027	Sat	06:34:15	07:04:30	111.1		12:06:55		17:09:53	249.1	17:40:09	10:05:22	-14.037	-15.508	0
02/07/2027	Sun	06:33:03	07:03:14	110.6		12:06:58		17:11:16	249.6	17:41:28	10:08:02	-14.095	-15.196	2
02/08/2027	M	06:31:50	07:01:57	110.2		12:07:01		17:12:40	250.0	17:42:47	10:10:43	-14.140	-14.880	6
02/09/2027	Tu	06:30:36	07:00:37	109.7		12:07:03		17:14:03	250.5	17:44:06	10:13:26	-14.171	-14.559	12
02/10/2027	W	06:29:19	06:59:17	109.3		12:07:04		17:15:26	250.9	17:45:25	10:16:10	-14.189	-14.235	19
02/11/2027	Th	06:28:02	06:57:55	108.8		12:07:04		17:16:49	251.4	17:46:44	10:18:55	-14.194	-13.906	28
02/12/2027	F	06:26:42	06:56:31	108.3		12:07:04		17:18:12	251.9	17:48:03	10:21:41	-14.186	-13.574	38
02/13/2027	Sat	06:25:21	06:55:06	107.8		12:07:02		17:19:35	252.4	17:49:22	10:24:29	-14.165	-13.238	48
02/14/2027	Sun	06:23:59	06:53:40	107.4		12:07:00		17:20:58	252.9	17:50:40	10:27:18	-14.132	-12.899	59
02/15/2027	M	06:22:36	06:52:13	106.9		12:06:58		17:22:20	253.3	17:51:59	10:30:07	-14.086	-12.556	70
02/16/2027	Tu	06:21:11	06:50:44	106.4		12:06:54		17:23:42	253.8	17:53:17	10:32:58	-14.028	-12.209	80
02/17/2027	W	06:19:45	06:49:14	105.9		12:06:50		17:25:04	254.3	17:54:35	10:35:50	-13.957	-11.860	89
02/18/2027	Th	06:18:17	06:47:43	105.4		12:06:45		17:26:26	254.8	17:55:53	10:38:43	-13.875	-11.507	95
02/19/2027	F	06:16:48	06:46:11	104.9		12:06:39		17:27:47	255.3	17:57:11	10:41:36	-13.782	-11.152	99
02/20/2027	Sat	06:15:18	06:44:38	104.4		12:06:33		17:29:08	255.8	17:58:29	10:44:30	-13.677	-10.793	100
02/21/2027	Sun	06:13:47	06:43:03	103.9		12:06:26		17:30:29	256.4	17:59:47	10:47:26	-13.561	-10.432	98
02/22/2027	M	06:12:15	06:41:28	103.4		12:06:19		17:31:49	256.9	18:01:04	10:50:21	-13.435	-10.068	94
02/23/2027	Tu	06:10:42	06:39:52	102.9		12:06:11		17:33:10	257.4	18:02:22	10:53:18	-13.299	-9.702	87
02/24/2027	W	06:09:07	06:38:14	102.3		12:06:02		17:34:30	257.9	18:03:39	10:56:15	-13.153	-9.333	79
02/25/2027	Th	06:07:32	06:36:36	101.8		12:05:52		17:35:49	258.4	18:04:56	10:59:13	-12.997	-8.961	70
02/26/2027	F	06:05:55	06:34:57	101.3		12:05:42		17:37:09	259.0	18:06:13	11:02:12	-12.832	-8.588	60
02/27/2027	Sat	06:04:18	06:33:18	100.8		12:05:32		17:38:28	259.5	18:07:30	11:05:11	-12.658	-8.212	51
02/28/2027	Sun	06:02:39	06:31:37	100.2		12:05:21		17:39:47	260.0	18:08:47	11:08:10	-12.475	-7.834	41
03/01/2027	M	06:01:00	06:29:56	99.7		12:05:10		17:41:06	260.5	18:10:04	11:11:10	-12.284	-7.454	32
03/02/2027	Tu	05:59:20	06:28:14	99.2		12:04:58		17:42:24	261.1	18:11:20	11:14:11	-12.085	-7.073	24
03/03/2027	W	05:57:39	06:26:31	98.6		12:04:45		17:43:42	261.6	18:12:37	11:17:11	-11.878	-6.689	16
03/04/2027	Th	05:55:58	06:24:47	98.1		12:04:32		17:45:00	262.2	18:13:53	11:20:13	-11.663	-6.305	10
03/05/2027	F	05:54:15	06:23:04	97.6		12:04:19		17:46:18	262.7	18:15:09	11:23:14	-11.442	-5.918	5
03/06/2027	Sat	05:52:32	06:21:19	97.0		12:04:05		17:47:35	263.2	18:16:25	11:26:16	-11.213	-5.531	2
03/07/2027	Sun	05:50:48	06:19:34	96.5		12:03:51		17:48:52	263.8	18:17:41	11:29:18	-10.978	-5.142	0
03/08/2027	M	05:49:03	06:17:48	95.9		12:03:37		17:50:09	264.3	18:18:57	11:32:21	-10.736	-4.752	1
03/09/2027	Tu	05:47:18	06:16:02	95.4		12:03:22		17:51:26	264.9	18:20:13	11:35:24	-10.488	-4.361	3
03/10/2027	W	05:45:32	06:14:16	94.8		12:03:07		17:52:42	265.4	18:21:29	11:38:27	-10.234	-3.969	8
03/11/2027	Th	05:43:46	06:12:29	94.3		12:02:51		17:53:58	266.0	18:22:44	11:41:30	-9.975	-3.576	15
03/12/2027	F	05:41:59	06:10:41	93.8		12:02:35		17:55:14	266.5	18:24:00	11:44:33	-9.710	-3.182	23
03/13/2027	Sat	05:40:12	06:08:53	93.2		12:02:19		17:56:30	267.1	18:25:15	11:47:36	-9.440	-2.788	33
03/14/2027	Sun*	06:38:24	07:07:05	92.7		13:02:03		18:57:45	267.6	19:26:30	11:50:40	-9.166	-2.394	44
03/15/2027	M*	06:36:35	07:05:17	92.1		13:01:46		18:59:00	268.2	19:27:46	11:53:43	-8.887	-1.999	55
03/16/2027	Tu*	06:34:46	07:03:28	91.6		13:01:29		19:00:15	268.7	19:29:01	11:56:47	-8.604	-1.604	66
03/17/2027	W*	06:32:57	07:01:39	91.0		13:01:12		19:01:30	269.3	19:30:16	11:59:50	-8.317	-1.209	77

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
03/18/2027	Th*	06:31:07	06:59:50	90.5		13:00:54		19:02:44	269.8	19:31:31	12:02:54	-8.027	-0.814	86
03/19/2027	F*	06:29:17	06:58:01	89.9		13:00:37		19:03:59	270.4	19:32:46	12:05:57	-7.734	-0.418	93
03/20/2027	Sat*	06:27:27	06:56:12	89.4		13:00:19		19:05:13	270.9	19:34:01	12:09:01	-7.439	-0.023	98
03/21/2027	Sun*	06:25:37	06:54:22	88.8	07:02:33	13:00:01	18:56:05	19:06:27	271.5	19:35:16	12:12:05	-7.141	0.372	100
03/22/2027	M*	06:23:46	06:52:32	88.3	07:03:53	12:59:43	18:54:09	19:07:40	272.0	19:36:32	12:15:08	-6.841	0.766	99
03/23/2027	Tu*	06:21:55	06:50:43	87.7	07:05:13	12:59:25	18:52:13	19:08:54	272.6	19:37:47	12:18:11	-6.540	1.160	96
03/24/2027	W*	06:20:04	06:48:53	87.2	07:06:32	12:59:07	18:50:18	19:10:08	273.1	19:39:02	12:21:15	-6.238	1.554	91
03/25/2027	Th*	06:18:12	06:47:04	86.6	07:07:51	12:58:49	18:48:22	19:11:21	273.7	19:40:17	12:24:18	-5.936	1.947	85
03/26/2027	F*	06:16:21	06:45:14	86.1	07:09:11	12:58:31	18:46:27	19:12:35	274.2	19:41:33	12:27:21	-5.633	2.339	77
03/27/2027	Sat*	06:14:29	06:43:24	85.5	07:10:30	12:58:12	18:44:32	19:13:48	274.8	19:42:48	12:30:24	-5.331	2.731	68
03/28/2027	Easter*	06:12:38	06:41:35	85.0	07:11:49	12:57:54	18:42:37	19:15:01	275.3	19:44:04	12:33:26	-5.029	3.122	59
03/29/2027	M*	06:10:46	06:39:46	84.4	07:13:08	12:57:36	18:40:42	19:16:15	275.9	19:45:19	12:36:29	-4.727	3.511	49
03/30/2027	Tu*	06:08:55	06:37:57	83.9	07:14:27	12:57:18	18:38:48	19:17:28	276.4	19:46:35	12:39:31	-4.427	3.900	40
03/31/2027	W*	06:07:03	06:36:08	83.4	07:15:46	12:57:00	18:36:54	19:18:41	276.9	19:47:51	12:42:33	-4.129	4.288	31
04/01/2027	Th*	06:05:12	06:34:19	82.8	07:17:05	12:56:43	18:35:00	19:19:54	277.5	19:49:07	12:45:35	-3.833	4.674	22
04/02/2027	F*	06:03:20	06:32:31	82.3	07:18:24	12:56:25	18:33:06	19:21:07	278.0	19:50:23	12:48:37	-3.538	5.059	15
04/03/2027	Sat*	06:01:29	06:30:43	81.7	07:19:42	12:56:07	18:31:13	19:22:20	278.6	19:51:40	12:51:38	-3.246	5.442	9
04/04/2027	Sun*	05:59:38	06:28:55	81.2	07:21:01	12:55:50	18:29:20	19:23:34	279.1	19:52:56	12:54:39	-2.957	5.824	4
04/05/2027	M*	05:57:47	06:27:08	80.7	07:22:20	12:55:33	18:27:28	19:24:47	279.6	19:54:13	12:57:39	-2.671	6.204	1
04/06/2027	Tu*	05:55:57	06:25:21	80.1	07:23:38	12:55:16	18:25:36	19:26:00	280.2	19:55:29	13:00:39	-2.388	6.582	0
04/07/2027	W*	05:54:07	06:23:34	79.6	07:24:57	12:54:59	18:23:45	19:27:13	280.7	19:56:46	13:03:39	-2.108	6.959	2
04/08/2027	Th*	05:52:17	06:21:48	79.1	07:26:15	12:54:43	18:21:54	19:28:26	281.2	19:58:03	13:06:38	-1.832	7.333	6
04/09/2027	F*	05:50:27	06:20:02	78.6	07:27:34	12:54:26	18:20:04	19:29:39	281.7	19:59:21	13:09:36	-1.560	7.706	12
04/10/2027	Sat*	05:48:38	06:18:17	78.0	07:28:52	12:54:10	18:18:14	19:30:52	282.3	20:00:38	13:12:35	-1.293	8.076	20
04/11/2027	Sun*	05:46:49	06:16:33	77.5	07:30:11	12:53:54	18:16:25	19:32:05	282.8	20:01:55	13:15:32	-1.030	8.444	30
04/12/2027	M*	05:45:00	06:14:49	77.0	07:31:29	12:53:39	18:14:36	19:33:18	283.3	20:03:13	13:18:29	-0.771	8.809	41
04/13/2027	Tu*	05:43:12	06:13:05	76.5	07:32:47	12:53:24	18:12:49	19:34:31	283.8	20:04:31	13:21:25	-0.517	9.172	52
04/14/2027	W*	05:41:24	06:11:23	76.0	07:34:06	12:53:09	18:11:02	19:35:44	284.3	20:05:49	13:24:21	-0.268	9.533	63
04/15/2027	Th*	05:39:37	06:09:40	75.5	07:35:24	12:52:54	18:09:15	19:36:57	284.8	20:07:07	13:27:16	-0.025	9.890	74
04/16/2027	F*	05:37:51	06:07:59	75.0	07:36:42	12:52:40	18:07:30	19:38:09	285.3	20:08:25	13:30:10	0.213	10.245	83
04/17/2027	Sat*	05:36:05	06:06:18	74.5	07:38:00	12:52:26	18:05:45	19:39:22	285.8	20:09:43	13:33:04	0.444	10.598	91
04/18/2027	Sun*	05:34:20	06:04:38	74.0	07:39:18	12:52:12	18:04:01	19:40:35	286.3	20:11:01	13:35:57	0.670	10.947	96
04/19/2027	M*	05:32:35	06:02:59	73.5	07:40:36	12:51:59	18:02:18	19:41:48	286.8	20:12:19	13:38:48	0.889	11.293	99
04/20/2027	Tu*	05:30:51	06:01:21	73.0	07:41:53	12:51:47	18:00:36	19:43:01	287.3	20:13:38	13:41:39	1.101	11.636	100
04/21/2027	W*	05:29:08	05:59:44	72.5	07:43:11	12:51:34	17:58:55	19:44:13	287.8	20:14:57	13:44:30	1.306	11.976	98
04/22/2027	Th*	05:27:25	05:58:07	72.0	07:44:29	12:51:22	17:57:15	19:45:26	288.3	20:16:15	13:47:19	1.504	12.313	95
04/23/2027	F*	05:25:44	05:56:32	71.5	07:45:47	12:51:11	17:55:36	19:46:39	288.7	20:17:34	13:50:07	1.694	12.646	89
04/24/2027	Sat*	05:24:03	05:54:57	71.1	07:47:04	12:51:00	17:53:58	19:47:51	289.2	20:18:53	13:52:54	1.876	12.976	83
04/25/2027	Sun*	05:22:23	05:53:23	70.6	07:48:21	12:50:50	17:52:21	19:49:04	289.7	20:20:12	13:55:40	2.050	13.302	75
04/26/2027	M*	05:20:44	05:51:51	70.1	07:49:39	12:50:40	17:50:46	19:50:16	290.1	20:21:31	13:58:25	2.215	13.625	66
04/27/2027	Tu*	05:19:06	05:50:19	69.7	07:50:56	12:50:30	17:49:11	19:51:29	290.6	20:22:50	14:01:09	2.373	13.944	57
04/28/2027	W*	05:17:29	05:48:49	69.2	07:52:13	12:50:21	17:47:38	19:52:41	291.1	20:24:09	14:03:52	2.521	14.259	47
04/29/2027	Th*	05:15:53	05:47:20	68.8	07:53:30	12:50:13	17:46:06	19:53:53	291.5	20:25:28	14:06:33	2.661	14.571	38
04/30/2027	F*	05:14:18	05:45:52	68.3	07:54:47	12:50:05	17:44:35	19:55:05	291.9	20:26:47	14:09:13	2.791	14.878	29
05/01/2027	Sat*	05:12:45	05:44:25	67.9	07:56:03	12:49:58	17:43:06	19:56:17	292.4	20:28:06	14:11:52	2.913	15.181	20
05/02/2027	Sun*	05:11:12	05:43:00	67.4	07:57:19	12:49:51	17:41:37	19:57:29	292.8	20:29:24	14:14:29	3.025	15.480	13
05/03/2027	M*	05:09:41	05:41:36	67.0	07:58:35	12:49:45	17:40:11	19:58:40	293.2	20:30:43	14:17:05	3.128	15.775	7
05/04/2027	Tu*	05:08:11	05:40:13	66.6	07:59:51	12:49:39	17:38:46	19:59:52	293.7	20:32:02	14:19:39	3.221	16.066	2
05/05/2027	W*	05:06:42	05:38:51	66.2	08:01:06	12:49:34	17:37:22	20:01:03	294.1	20:33:20	14:22:11	3.305	16.352	0
05/06/2027	Th*	05:05:15	05:37:31	65.7	08:02:21	12:49:30	17:35:59	20:02:13	294.5	20:34:38	14:24:42	3.380	16.633	1
05/07/2027	F*	05:03:49	05:36:13	65.3	08:03:36	12:49:26	17:34:39	20:03:24	294.9	20:35:56	14:27:11	3.445	16.910	4
05/08/2027	Sat*	05:02:24	05:34:55	64.9	08:04:50	12:49:23	17:33:20	20:04:34	295.3	20:37:13	14:29:38	3.501	17.182	10
05/09/2027	Sun*	05:01:01	05:33:40	64.5	08:06:04	12:49:20	17:32:02	20:05:43	295.7	20:38:30	14:32:04	3.547	17.450	17
05/10/2027	M*	04:59:39	05:32:26	64.2	08:07:17	12:49:17	17:30:46	20:06:53	296.1	20:39:47	14:34:27	3.585	17.712	27
05/11/2027	Tu*	04:58:19	05:31:13	63.8	08:08:29	12:49:16	17:29:32	20:08:01	296.5	20:41:03	14:36:48	3.613	17.970	38

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
05/12/2027	W*	04:57:00	05:30:02	63.4	08:09:41	12:49:15	17:28:19	20:09:09	296.8	20:42:19	14:39:07	3.631	18.222	49
05/13/2027	Th*	04:55:43	05:28:53	63.0	08:10:53	12:49:14	17:27:08	20:10:17	297.2	20:43:34	14:41:24	3.641	18.469	61
05/14/2027	F*	04:54:28	05:27:45	62.7	08:12:03	12:49:14	17:25:59	20:11:24	297.5	20:44:49	14:43:39	3.642	18.711	71
05/15/2027	Sat*	04:53:14	05:26:39	62.3	08:13:13	12:49:15	17:24:52	20:12:31	297.9	20:46:03	14:45:52	3.633	18.948	80
05/16/2027	Sun*	04:52:03	05:25:35	62.0	08:14:22	12:49:16	17:23:47	20:13:36	298.2	20:47:16	14:48:02	3.615	19.180	88
05/17/2027	M*	04:50:53	05:24:32	61.6	08:15:31	12:49:17	17:22:43	20:14:42	298.6	20:48:29	14:50:09	3.588	19.406	94
05/18/2027	Tu*	04:49:44	05:23:31	61.3	08:16:39	12:49:19	17:21:41	20:15:46	298.9	20:49:41	14:52:15	3.553	19.626	98
05/19/2027	W*	04:48:38	05:22:32	61.0	08:17:45	12:49:22	17:20:42	20:16:49	299.2	20:50:52	14:54:17	3.507	19.841	100
05/20/2027	Th*	04:47:33	05:21:35	60.7	08:18:51	12:49:25	17:19:44	20:17:52	299.5	20:52:02	14:56:17	3.453	20.050	99
05/21/2027	F*	04:46:31	05:20:40	60.4	08:19:56	12:49:29	17:18:48	20:18:54	299.8	20:53:11	14:58:14	3.390	20.254	97
05/22/2027	Sat*	04:45:30	05:19:47	60.1	08:21:00	12:49:33	17:17:55	20:19:55	300.1	20:54:19	15:00:08	3.319	20.452	93
05/23/2027	Sun*	04:44:32	05:18:56	59.8	08:22:03	12:49:38	17:17:03	20:20:55	300.4	20:55:27	15:02:00	3.238	20.644	88
05/24/2027	M*	04:43:35	05:18:06	59.5	08:23:05	12:49:44	17:16:14	20:21:55	300.7	20:56:33	15:03:48	3.148	20.830	81
05/25/2027	Tu*	04:42:41	05:17:19	59.2	08:24:06	12:49:50	17:15:27	20:22:53	301.0	20:57:38	15:05:34	3.050	21.011	73
05/26/2027	W*	04:41:49	05:16:34	58.9	08:25:05	12:49:56	17:14:42	20:23:50	301.2	20:58:42	15:07:16	2.944	21.185	64
05/27/2027	Th*	04:40:59	05:15:51	58.7	08:26:03	12:50:03	17:13:59	20:24:46	301.5	20:59:44	15:08:55	2.829	21.353	55
05/28/2027	F*	04:40:11	05:15:09	58.4	08:27:00	12:50:10	17:13:18	20:25:41	301.7	21:00:45	15:10:31	2.707	21.515	45
05/29/2027	Sat*	04:39:26	05:14:30	58.2	08:27:56	12:50:18	17:12:40	20:26:34	302.0	21:01:45	15:12:04	2.576	21.671	35
05/30/2027	Sun*	04:38:43	05:13:54	58.0	08:28:50	12:50:26	17:12:04	20:27:27	302.2	21:02:44	15:13:33	2.438	21.820	26
05/31/2027	M*	04:38:02	05:13:19	57.7	08:29:43	12:50:35	17:11:30	20:28:18	302.4	21:03:41	15:14:59	2.292	21.963	17
06/01/2027	Tu*	04:37:24	05:12:47	57.5	08:30:35	12:50:44	17:10:58	20:29:07	302.6	21:04:36	15:16:21	2.140	22.100	10
06/02/2027	W*	04:36:48	05:12:16	57.3	08:31:24	12:50:54	17:10:29	20:29:56	302.8	21:05:30	15:17:39	1.980	22.230	4
06/03/2027	Th*	04:36:14	05:11:48	57.1	08:32:13	12:51:04	17:10:02	20:30:42	303.0	21:06:22	15:18:54	1.815	22.354	1
06/04/2027	F*	04:35:43	05:11:22	56.9	08:32:59	12:51:14	17:09:38	20:31:28	303.2	21:07:12	15:20:05	1.643	22.471	0
06/05/2027	Sat*	04:35:14	05:10:59	56.8	08:33:44	12:51:25	17:09:16	20:32:12	303.3	21:08:01	15:21:13	1.465	22.582	3
06/06/2027	Sun*	04:34:48	05:10:37	56.6	08:34:27	12:51:36	17:08:56	20:32:54	303.5	21:08:48	15:22:16	1.283	22.686	8
06/07/2027	M*	04:34:24	05:10:18	56.5	08:35:08	12:51:47	17:08:38	20:33:34	303.6	21:09:32	15:23:16	1.095	22.784	15
06/08/2027	Tu*	04:34:03	05:10:01	56.3	08:35:48	12:51:58	17:08:23	20:34:13	303.8	21:10:15	15:24:12	0.903	22.875	25
06/09/2027	W*	04:33:44	05:09:46	56.2	08:36:25	12:52:10	17:08:10	20:34:50	303.9	21:10:56	15:25:03	0.707	22.959	35
06/10/2027	Th*	04:33:28	05:09:34	56.1	08:37:01	12:52:22	17:08:00	20:35:25	304.0	21:11:34	15:25:51	0.508	23.036	46
06/11/2027	F*	04:33:14	05:09:24	55.9	08:37:34	12:52:34	17:07:52	20:35:58	304.1	21:12:11	15:26:34	0.305	23.107	57
06/12/2027	Sat*	04:33:03	05:09:16	55.8	08:38:06	12:52:47	17:07:46	20:36:29	304.2	21:12:45	15:27:14	0.099	23.171	68
06/13/2027	Sun*	04:32:54	05:09:10	55.7	08:38:35	12:52:59	17:07:43	20:36:59	304.3	21:13:17	15:27:49	-0.109	23.228	77
06/14/2027	M*	04:32:48	05:09:06	55.7	08:39:03	12:53:12	17:07:42	20:37:26	304.4	21:13:47	15:28:20	-0.319	23.278	85
06/15/2027	Tu*	04:32:45	05:09:05	55.6	08:39:28	12:53:24	17:07:43	20:37:52	304.4	21:14:14	15:28:47	-0.531	23.321	92
06/16/2027	W*	04:32:44	05:09:06	55.5	08:39:51	12:53:37	17:07:46	20:38:15	304.5	21:14:39	15:29:10	-0.745	23.358	96
06/17/2027	Th*	04:32:45	05:09:09	55.5	08:40:12	12:53:50	17:07:52	20:38:37	304.5	21:15:02	15:29:28	-0.960	23.387	99
06/18/2027	F*	04:32:49	05:09:14	55.4	08:40:30	12:54:03	17:08:01	20:38:56	304.6	21:15:22	15:29:42	-1.176	23.410	100
06/19/2027	Sat*	04:32:55	05:09:21	55.4	08:40:47	12:54:16	17:08:11	20:39:13	304.6	21:15:40	15:29:52	-1.393	23.426	99
06/20/2027	Sun*	04:33:04	05:09:31	55.4	08:41:01	12:54:29	17:08:24	20:39:28	304.6	21:15:55	15:29:57	-1.609	23.435	96
06/21/2027	M*	04:33:16	05:09:43	55.4	08:41:13	12:54:42	17:08:39	20:39:41	304.6	21:16:08	15:29:59	-1.826	23.437	92
06/22/2027	Tu*	04:33:29	05:09:56	55.4	08:41:22	12:54:55	17:08:56	20:39:52	304.6	21:16:19	15:29:56	-2.042	23.432	86
06/23/2027	W*	04:33:46	05:10:12	55.4	08:41:29	12:55:08	17:09:15	20:40:01	304.6	21:16:27	15:29:49	-2.257	23.421	78
06/24/2027	Th*	04:34:04	05:10:30	55.4	08:41:34	12:55:21	17:09:37	20:40:07	304.5	21:16:32	15:29:37	-2.471	23.402	70
06/25/2027	F*	04:34:25	05:10:50	55.5	08:41:36	12:55:34	17:10:00	20:40:11	304.5	21:16:35	15:29:21	-2.684	23.377	61
06/26/2027	Sat*	04:34:49	05:11:12	55.5	08:41:37	12:55:46	17:10:26	20:40:13	304.4	21:16:35	15:29:01	-2.894	23.345	51
06/27/2027	Sun*	04:35:14	05:11:36	55.6	08:41:34	12:55:59	17:10:54	20:40:13	304.4	21:16:32	15:28:37	-3.103	23.305	41
06/28/2027	M*	04:35:42	05:12:02	55.6	08:41:30	12:56:11	17:11:23	20:40:10	304.3	21:16:27	15:28:08	-3.308	23.259	31
06/29/2027	Tu*	04:36:13	05:12:30	55.7	08:41:22	12:56:23	17:11:55	20:40:05	304.2	21:16:20	15:27:35	-3.511	23.207	21
06/30/2027	W*	04:36:45	05:13:00	55.8	08:41:13	12:56:35	17:12:29	20:39:58	304.1	21:16:10	15:26:59	-3.711	23.147	13
07/01/2027	Th*	04:37:20	05:13:31	55.9	08:41:01	12:56:47	17:13:05	20:39:49	304.0	21:15:57	15:26:18	-3.906	23.081	6
07/02/2027	F*	04:37:56	05:14:05	56.0	08:40:47	12:56:58	17:13:42	20:39:37	303.9	21:15:42	15:25:33	-4.098	23.008	2
07/03/2027	Sat*	04:38:35	05:14:40	56.1	08:40:30	12:57:10	17:14:21	20:39:23	303.8	21:15:24	15:24:43	-4.284	22.928	0
07/04/2027	Sun*	04:39:16	05:15:17	56.3	08:40:11	12:57:21	17:15:02	20:39:07	303.6	21:15:04	15:23:50	-4.466	22.841	2
07/05/2027	M*	04:39:58	05:15:55	56.4	08:39:49	12:57:31	17:15:45	20:38:48	303.5	21:14:41	15:22:53	-4.642	22.748	6

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
07/06/2027	Tu*	04:40:43	05:16:35	56.6	08:39:26	12:57:41	17:16:29	20:38:27	303.3	21:14:15	15:21:52	-4.812	22.649	13
07/07/2027	W*	04:41:29	05:17:17	56.7	08:38:59	12:57:51	17:17:15	20:38:04	303.2	21:13:47	15:20:48	-4.976	22.543	22
07/08/2027	Th*	04:42:17	05:18:00	56.9	08:38:31	12:58:01	17:18:03	20:37:39	303.0	21:13:17	15:19:39	-5.133	22.430	32
07/09/2027	F*	04:43:06	05:18:44	57.1	08:37:59	12:58:10	17:18:52	20:37:11	302.8	21:12:44	15:18:27	-5.283	22.311	43
07/10/2027	Sat*	04:43:58	05:19:30	57.3	08:37:26	12:58:18	17:19:42	20:36:41	302.6	21:12:08	15:17:11	-5.425	22.185	54
07/11/2027	Sun*	04:44:50	05:20:18	57.5	08:36:50	12:58:26	17:20:34	20:36:09	302.4	21:11:30	15:15:51	-5.560	22.053	64
07/12/2027	M*	04:45:45	05:21:06	57.7	08:36:12	12:58:34	17:21:27	20:35:35	302.2	21:10:50	15:14:28	-5.688	21.915	74
07/13/2027	Tu*	04:46:41	05:21:56	57.9	08:35:32	12:58:41	17:22:21	20:34:58	302.0	21:10:07	15:13:02	-5.807	21.771	82
07/14/2027	W*	04:47:38	05:22:47	58.1	08:34:49	12:58:48	17:23:16	20:34:19	301.7	21:09:22	15:11:32	-5.917	21.620	89
07/15/2027	Th*	04:48:36	05:23:39	58.4	08:34:05	12:58:54	17:24:13	20:33:38	301.5	21:08:35	15:09:59	-6.020	21.463	94
07/16/2027	F*	04:49:36	05:24:33	58.6	08:33:18	12:58:59	17:25:11	20:32:55	301.2	21:07:45	15:08:23	-6.113	21.301	98
07/17/2027	Sat*	04:50:37	05:25:27	58.9	08:32:28	12:59:04	17:26:10	20:32:10	301.0	21:06:53	15:06:43	-6.198	21.132	100
07/18/2027	Sun*	04:51:39	05:26:22	59.1	08:31:37	12:59:09	17:27:10	20:31:23	300.7	21:05:59	15:05:01	-6.274	20.957	100
07/19/2027	M*	04:52:42	05:27:19	59.4	08:30:44	12:59:13	17:28:11	20:30:34	300.4	21:05:03	15:03:15	-6.341	20.776	98
07/20/2027	Tu*	04:53:46	05:28:16	59.7	08:29:48	12:59:16	17:29:13	20:29:43	300.2	21:04:05	15:01:27	-6.399	20.590	95
07/21/2027	W*	04:54:52	05:29:14	59.9	08:28:51	12:59:19	17:30:16	20:28:49	299.9	21:03:04	14:59:35	-6.447	20.398	90
07/22/2027	Th*	04:55:58	05:30:13	60.2	08:27:51	12:59:22	17:31:20	20:27:54	299.6	21:02:02	14:57:41	-6.487	20.200	83
07/23/2027	F*	04:57:05	05:31:13	60.5	08:26:50	12:59:24	17:32:24	20:26:57	299.3	21:00:58	14:55:44	-6.516	19.996	75
07/24/2027	Sat*	04:58:13	05:32:14	60.9	08:25:46	12:59:25	17:33:30	20:25:58	298.9	20:59:51	14:53:44	-6.537	19.787	66
07/25/2027	Sun*	04:59:22	05:33:15	61.2	08:24:41	12:59:25	17:34:36	20:24:57	298.6	20:58:43	14:51:42	-6.547	19.573	56
07/26/2027	M*	05:00:31	05:34:17	61.5	08:23:33	12:59:25	17:35:43	20:23:55	298.3	20:57:33	14:49:37	-6.549	19.353	46
07/27/2027	Tu*	05:01:42	05:35:20	61.8	08:22:24	12:59:25	17:36:50	20:22:50	298.0	20:56:21	14:47:30	-6.540	19.127	35
07/28/2027	W*	05:02:52	05:36:24	62.2	08:21:13	12:59:24	17:37:58	20:21:44	297.6	20:55:07	14:45:21	-6.522	18.896	25
07/29/2027	Th*	05:04:04	05:37:28	62.5	08:20:01	12:59:22	17:39:07	20:20:36	297.3	20:53:52	14:43:09	-6.494	18.660	16
07/30/2027	F*	05:05:16	05:38:32	62.9	08:18:46	12:59:20	17:40:16	20:19:27	296.9	20:52:35	14:40:55	-6.456	18.419	8
07/31/2027	Sat*	05:06:28	05:39:37	63.2	08:17:30	12:59:17	17:41:26	20:18:15	296.5	20:51:16	14:38:38	-6.408	18.173	3
08/01/2027	Sun*	05:07:41	05:40:42	63.6	08:16:12	12:59:14	17:42:36	20:17:02	296.2	20:49:55	14:36:20	-6.351	17.922	0
08/02/2027	M*	05:08:55	05:41:48	64.0	08:14:53	12:59:10	17:43:47	20:15:48	295.8	20:48:34	14:34:00	-6.283	17.666	1
08/03/2027	Tu*	05:10:08	05:42:55	64.4	08:13:32	12:59:05	17:44:58	20:14:32	295.4	20:47:10	14:31:37	-6.205	17.406	4
08/04/2027	W*	05:11:22	05:44:01	64.8	08:12:09	12:59:00	17:46:09	20:13:14	295.0	20:45:45	14:29:13	-6.117	17.140	11
08/05/2027	Th*	05:12:37	05:45:08	65.2	08:10:45	12:58:54	17:47:21	20:11:55	294.6	20:44:19	14:26:47	-6.018	16.870	19
08/06/2027	F*	05:13:51	05:46:15	65.6	08:09:19	12:58:47	17:48:33	20:10:35	294.2	20:42:51	14:24:19	-5.909	16.596	29
08/07/2027	Sat*	05:15:06	05:47:23	66.0	08:07:52	12:58:40	17:49:45	20:09:13	293.8	20:41:21	14:21:50	-5.790	16.317	39
08/08/2027	Sun*	05:16:20	05:48:30	66.4	08:06:24	12:58:32	17:50:57	20:07:49	293.4	20:39:51	14:19:19	-5.661	16.033	49
08/09/2027	M*	05:17:35	05:49:38	66.8	08:04:54	12:58:24	17:52:10	20:06:24	293.0	20:38:19	14:16:46	-5.522	15.746	59
08/10/2027	Tu*	05:18:50	05:50:46	67.2	08:03:22	12:58:15	17:53:22	20:04:58	292.5	20:36:46	14:14:12	-5.373	15.454	69
08/11/2027	W*	05:20:05	05:51:54	67.7	08:01:50	12:58:05	17:54:35	20:03:31	292.1	20:35:12	14:11:37	-5.215	15.158	78
08/12/2027	Th*	05:21:20	05:53:02	68.1	08:00:16	12:57:55	17:55:48	20:02:02	291.7	20:33:36	14:09:00	-5.046	14.858	85
08/13/2027	F*	05:22:36	05:54:10	68.5	07:58:41	12:57:45	17:57:01	20:00:32	291.2	20:31:59	14:06:22	-4.868	14.555	91
08/14/2027	Sat*	05:23:51	05:55:19	69.0	07:57:04	12:57:33	17:58:14	19:59:01	290.8	20:30:22	14:03:43	-4.681	14.247	96
08/15/2027	Sun*	05:25:06	05:56:27	69.4	07:55:27	12:57:22	17:59:28	19:57:29	290.3	20:28:43	14:01:02	-4.485	13.936	99
08/16/2027	M*	05:26:21	05:57:36	69.9	07:53:48	12:57:09	18:00:41	19:55:56	289.9	20:27:03	13:58:20	-4.280	13.621	100
08/17/2027	Tu*	05:27:36	05:58:44	70.3	07:52:09	12:56:57	18:01:55	19:54:22	289.4	20:25:23	13:55:38	-4.066	13.302	99
08/18/2027	W*	05:28:50	05:59:53	70.8	07:50:28	12:56:43	18:03:08	19:52:46	288.9	20:23:41	13:52:54	-3.844	12.980	97
08/19/2027	Th*	05:30:05	06:01:01	71.3	07:48:46	12:56:29	18:04:22	19:51:10	288.5	20:21:59	13:50:09	-3.613	12.655	93
08/20/2027	F*	05:31:20	06:02:10	71.7	07:47:03	12:56:15	18:05:35	19:49:32	288.0	20:20:15	13:47:23	-3.375	12.326	87
08/21/2027	Sat*	05:32:34	06:03:19	72.2	07:45:19	12:56:00	18:06:49	19:47:54	287.5	20:18:31	13:44:36	-3.129	11.994	79
08/22/2027	Sun*	05:33:49	06:04:27	72.7	07:43:35	12:55:45	18:08:03	19:46:15	287.0	20:16:46	13:41:48	-2.875	11.659	71
08/23/2027	M*	05:35:03	06:05:36	73.2	07:41:49	12:55:29	18:09:17	19:44:35	286.6	20:15:01	13:38:59	-2.615	11.320	61
08/24/2027	Tu*	05:36:18	06:06:45	73.6	07:40:03	12:55:13	18:10:30	19:42:54	286.1	20:13:14	13:36:10	-2.347	10.979	50
08/25/2027	W*	05:37:32	06:07:53	74.1	07:38:16	12:54:57	18:11:44	19:41:12	285.6	20:11:27	13:33:19	-2.073	10.634	39
08/26/2027	Th*	05:38:46	06:09:02	74.6	07:36:28	12:54:40	18:12:58	19:39:30	285.1	20:09:40	13:30:28	-1.792	10.287	28
08/27/2027	F*	05:40:00	06:10:11	75.1	07:34:39	12:54:23	18:14:12	19:37:47	284.6	20:07:51	13:27:36	-1.505	9.937	18
08/28/2027	Sat*	05:41:13	06:11:19	75.6	07:32:50	12:54:05	18:15:26	19:36:03	284.1	20:06:03	13:24:44	-1.212	9.585	10
08/29/2027	Sun*	05:42:27	06:12:28	76.1	07:31:00	12:53:47	18:16:40	19:34:18	283.6	20:04:13	13:21:50	-0.914	9.229	4

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
08/30/2027	M*	05:43:40	06:13:37	76.6	07:29:09	12:53:29	18:17:54	19:32:33	283.1	20:02:23	13:18:57	-0.610	8.872	1
08/31/2027	Tu*	05:44:53	06:14:45	77.1	07:27:17	12:53:11	18:19:08	19:30:47	282.6	20:00:33	13:16:02	-0.300	8.512	0
09/01/2027	W*	05:46:07	06:15:54	77.6	07:25:26	12:52:52	18:20:22	19:29:01	282.1	19:58:42	13:13:07	0.015	8.150	3
09/02/2027	Th*	05:47:19	06:17:03	78.2	07:23:33	12:52:33	18:21:36	19:27:14	281.6	19:56:51	13:10:12	0.334	7.785	8
09/03/2027	F*	05:48:32	06:18:11	78.7	07:21:40	12:52:13	18:22:50	19:25:27	281.0	19:55:00	13:07:16	0.658	7.419	15
09/04/2027	Sat*	05:49:45	06:19:20	79.2	07:19:46	12:51:53	18:24:04	19:23:39	280.5	19:53:08	13:04:19	0.987	7.050	24
09/05/2027	Sun*	05:50:57	06:20:28	79.7	07:17:52	12:51:33	18:25:18	19:21:51	280.0	19:51:16	13:01:22	1.320	6.680	34
09/06/2027	M*	05:52:09	06:21:37	80.2	07:15:58	12:51:13	18:26:31	19:20:02	279.5	19:49:24	12:58:25	1.657	6.308	44
09/07/2027	Tu*	05:53:21	06:22:45	80.8	07:14:03	12:50:53	18:27:45	19:18:13	279.0	19:47:31	12:55:28	1.998	5.934	54
09/08/2027	W*	05:54:33	06:23:53	81.3	07:12:08	12:50:32	18:28:59	19:16:23	278.4	19:45:38	12:52:30	2.342	5.559	63
09/09/2027	Th*	05:55:44	06:25:02	81.8	07:10:12	12:50:11	18:30:13	19:14:33	277.9	19:43:45	12:49:31	2.689	5.182	72
09/10/2027	F*	05:56:56	06:26:10	82.3	07:08:16	12:49:50	18:31:27	19:12:43	277.4	19:41:52	12:46:33	3.039	4.803	80
09/11/2027	Sat*	05:58:07	06:27:18	82.9	07:06:20	12:49:29	18:32:41	19:10:52	276.8	19:39:59	12:43:34	3.391	4.424	87
09/12/2027	Sun*	05:59:18	06:28:27	83.4	07:04:23	12:49:08	18:33:55	19:09:02	276.3	19:38:05	12:40:35	3.745	4.043	93
09/13/2027	M*	06:00:29	06:29:35	83.9	07:02:27	12:48:46	18:35:10	19:07:11	275.8	19:36:12	12:37:36	4.101	3.661	97
09/14/2027	Tu*	06:01:40	06:30:43	84.5	07:00:30	12:48:25	18:36:24	19:05:20	275.2	19:34:18	12:34:36	4.458	3.277	99
09/15/2027	W*	06:02:51	06:31:52	85.0	06:58:33	12:48:04	18:37:38	19:03:28	274.7	19:32:25	12:31:36	4.816	2.893	100
09/16/2027	Th*	06:04:01	06:33:00	85.6	06:56:35	12:47:42	18:38:53	19:01:37	274.2	19:30:31	12:28:36	5.175	2.508	99
09/17/2027	F*	06:05:12	06:34:09	86.1	06:54:38	12:47:21	18:40:07	18:59:45	273.6	19:28:38	12:25:36	5.534	2.122	95
09/18/2027	Sat*	06:06:22	06:35:18	86.6	06:52:41	12:46:59	18:41:22	18:57:54	273.1	19:26:45	12:22:36	5.892	1.735	90
09/19/2027	Sun*	06:07:33	06:36:27	87.2	06:50:43	12:46:38	18:42:37	18:56:02	272.5	19:24:52	12:19:36	6.250	1.348	83
09/20/2027	M*	06:08:43	06:37:36	87.7	06:48:46	12:46:16	18:43:52	18:54:11	272.0	19:22:59	12:16:35	6.607	0.960	74
09/21/2027	Tu*	06:09:54	06:38:45	88.3	06:46:48	12:45:55	18:45:07	18:52:19	271.5	19:21:06	12:13:34	6.962	0.572	64
09/22/2027	W*	06:11:04	06:39:54	88.8	06:44:51	12:45:34	18:46:23	18:50:28	270.9	19:19:13	12:10:34	7.316	0.183	54
09/23/2027	Th*	06:12:14	06:41:03	89.3		12:45:13		18:48:36	270.4	19:17:21	12:07:33	7.668	-0.206	42
09/24/2027	F*	06:13:25	06:42:13	89.9		12:44:52		18:46:45	269.8	19:15:29	12:04:32	8.017	-0.596	31
09/25/2027	Sat*	06:14:35	06:43:22	90.4		12:44:31		18:44:54	269.3	19:13:37	12:01:31	8.363	-0.985	21
09/26/2027	Sun*	06:15:46	06:44:32	91.0		12:44:10		18:43:03	268.8	19:11:46	11:58:30	8.706	-1.374	12
09/27/2027	M*	06:16:56	06:45:43	91.5		12:43:50		18:41:12	268.2	19:09:55	11:55:30	9.046	-1.764	6
09/28/2027	Tu*	06:18:07	06:46:53	92.1		12:43:30		18:39:22	267.7	19:08:04	11:52:29	9.382	-2.153	1
09/29/2027	W*	06:19:17	06:48:03	92.6		12:43:10		18:37:31	267.1	19:06:14	11:49:28	9.714	-2.542	0
09/30/2027	Th*	06:20:28	06:49:14	93.1		12:42:50		18:35:42	266.6	19:04:24	11:46:27	10.041	-2.930	2
10/01/2027	F*	06:21:39	06:50:25	93.7		12:42:31		18:33:52	266.1	19:02:35	11:43:27	10.365	-3.318	6
10/02/2027	Sat*	06:22:50	06:51:36	94.2		12:42:12		18:32:03	265.5	19:00:46	11:40:26	10.683	-3.705	12
10/03/2027	Sun*	06:24:01	06:52:48	94.8		12:41:53		18:30:14	265.0	18:58:58	11:37:26	10.996	-4.092	19
10/04/2027	M*	06:25:12	06:54:00	95.3		12:41:34		18:28:26	264.4	18:57:10	11:34:26	11.304	-4.478	28
10/05/2027	Tu*	06:26:23	06:55:11	95.8		12:41:16		18:26:38	263.9	18:55:23	11:31:26	11.606	-4.862	37
10/06/2027	W*	06:27:34	06:56:24	96.4		12:40:58		18:24:50	263.4	18:53:37	11:28:27	11.902	-5.246	47
10/07/2027	Th*	06:28:45	06:57:36	96.9		12:40:41		18:23:03	262.8	18:51:51	11:25:27	12.192	-5.629	56
10/08/2027	F*	06:29:56	06:58:49	97.4		12:40:24		18:21:17	262.3	18:50:06	11:22:28	12.476	-6.010	65
10/09/2027	Sat*	06:31:08	07:00:02	98.0		12:40:07		18:19:31	261.8	18:48:22	11:19:29	12.752	-6.390	74
10/10/2027	Sun*	06:32:20	07:01:15	98.5		12:39:51		18:17:46	261.3	18:46:38	11:16:31	13.021	-6.769	82
10/11/2027	M*	06:33:31	07:02:28	99.0		12:39:36		18:16:01	260.7	18:44:56	11:13:33	13.282	-7.146	89
10/12/2027	Tu*	06:34:43	07:03:42	99.6		12:39:20		18:14:17	260.2	18:43:14	11:10:35	13.536	-7.521	94
10/13/2027	W*	06:35:55	07:04:56	100.1		12:39:06		18:12:34	259.7	18:41:33	11:07:38	13.781	-7.895	98
10/14/2027	Th*	06:37:07	07:06:10	100.6		12:38:52		18:10:52	259.2	18:39:52	11:04:41	14.017	-8.267	100
10/15/2027	F*	06:38:20	07:07:25	101.1		12:38:38		18:09:10	258.6	18:38:13	11:01:45	14.245	-8.637	99
10/16/2027	Sat*	06:39:32	07:08:40	101.6		12:38:25		18:07:29	258.1	18:36:35	10:58:49	14.463	-9.005	97
10/17/2027	Sun*	06:40:45	07:09:55	102.2		12:38:12		18:05:49	257.6	18:34:58	10:55:54	14.671	-9.371	93
10/18/2027	M*	06:41:58	07:11:11	102.7		12:38:00		18:04:10	257.1	18:33:21	10:52:59	14.869	-9.734	86
10/19/2027	Tu*	06:43:11	07:12:27	103.2		12:37:49		18:02:32	256.6	18:31:46	10:50:05	15.057	-10.096	78
10/20/2027	W*	06:44:24	07:13:43	103.7		12:37:39		18:00:55	256.1	18:30:12	10:47:12	15.234	-10.455	68
10/21/2027	Th*	06:45:38	07:15:00	104.2		12:37:29		17:59:19	255.6	18:28:39	10:44:19	15.399	-10.811	57
10/22/2027	F*	06:46:51	07:16:17	104.7		12:37:19		17:57:44	255.1	18:27:07	10:41:27	15.554	-11.165	46
10/23/2027	Sat*	06:48:05	07:17:34	105.2		12:37:11		17:56:10	254.6	18:25:36	10:38:36	15.697	-11.516	34

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
10/24/2027	Sun*	06:49:20	07:18:51	105.7		12:37:03		17:54:37	254.1	18:24:07	10:35:45	15.828	-11.864	24
10/25/2027	M*	06:50:34	07:20:09	106.2		12:36:56		17:53:05	253.6	18:22:39	10:32:56	15.946	-12.209	15
10/26/2027	Tu*	06:51:48	07:21:27	106.7		12:36:49		17:51:35	253.1	18:21:12	10:30:07	16.053	-12.551	8
10/27/2027	W*	06:53:03	07:22:46	107.1		12:36:44		17:50:05	252.7	18:19:47	10:27:19	16.147	-12.890	3
10/28/2027	Th*	06:54:18	07:24:04	107.6		12:36:39		17:48:37	252.2	18:18:22	10:24:33	16.228	-13.225	0
10/29/2027	F*	06:55:33	07:25:23	108.1		12:36:35		17:47:10	251.7	18:17:00	10:21:47	16.297	-13.557	1
10/30/2027	Sat*	06:56:48	07:26:42	108.6		12:36:31		17:45:45	251.2	18:15:39	10:19:03	16.353	-13.886	3
10/31/2027	Sun*	06:58:03	07:28:02	109.0		12:36:29		17:44:21	250.8	18:14:19	10:16:19	16.396	-14.211	8
11/01/2027	M*	06:59:18	07:29:21	109.5		12:36:27		17:42:58	250.3	18:13:00	10:13:37	16.426	-14.531	14
11/02/2027	Tu*	07:00:33	07:30:41	109.9		12:36:26		17:41:37	249.9	18:11:44	10:10:57	16.442	-14.848	21
11/03/2027	W*	07:01:48	07:32:00	110.4		12:36:26		17:40:18	249.4	18:10:29	10:08:17	16.446	-15.161	30
11/04/2027	Th*	07:03:04	07:33:20	110.8		12:36:26		17:39:00	249.0	18:09:15	10:05:39	16.436	-15.470	39
11/05/2027	F*	07:04:19	07:34:40	111.3		12:36:28		17:37:43	248.5	18:08:03	10:03:03	16.412	-15.775	48
11/06/2027	Sat*	07:05:34	07:36:00	111.7		12:36:30		17:36:28	248.1	18:06:53	10:00:28	16.375	-16.075	58
11/07/2027	Sun	06:06:49	06:37:20	112.1		11:36:33		16:35:15	247.7	17:05:44	09:57:55	16.325	-16.371	67
11/08/2027	M	06:08:04	06:38:40	112.6		11:36:37		16:34:03	247.3	17:04:37	09:55:24	16.260	-16.662	76
11/09/2027	Tu	06:09:19	06:39:59	113.0		11:36:42		16:32:53	246.9	17:03:32	09:52:54	16.182	-16.948	84
11/10/2027	W	06:10:34	06:41:19	113.4		11:36:47		16:31:45	246.5	17:02:29	09:50:26	16.090	-17.230	90
11/11/2027	Th	06:11:49	06:42:39	113.8		11:36:53		16:30:39	246.1	17:01:28	09:48:00	15.984	-17.507	95
11/12/2027	F	06:13:03	06:43:58	114.2		11:37:01		16:29:34	245.7	17:00:28	09:45:36	15.865	-17.778	99
11/13/2027	Sat	06:14:18	06:45:17	114.6		11:37:09		16:28:32	245.3	16:59:30	09:43:14	15.731	-18.045	100
11/14/2027	Sun	06:15:32	06:46:36	115.0		11:37:18		16:27:31	244.9	16:58:35	09:40:55	15.583	-18.306	99
11/15/2027	M	06:16:45	06:47:55	115.3		11:37:27		16:26:32	244.5	16:57:41	09:38:37	15.420	-18.562	95
11/16/2027	Tu	06:17:59	06:49:13	115.7		11:37:38		16:25:36	244.2	16:56:49	09:36:22	15.244	-18.813	89
11/17/2027	W	06:19:12	06:50:31	116.1		11:37:49		16:24:41	243.8	16:56:00	09:34:10	15.054	-19.058	81
11/18/2027	Th	06:20:25	06:51:49	116.4		11:38:02		16:23:49	243.4	16:55:12	09:31:59	14.849	-19.297	71
11/19/2027	F	06:21:37	06:53:06	116.8		11:38:15		16:22:58	243.1	16:54:27	09:29:52	14.630	-19.531	60
11/20/2027	Sat	06:22:49	06:54:23	117.1		11:38:29		16:22:10	242.8	16:53:44	09:27:47	14.397	-19.759	49
11/21/2027	Sun	06:24:00	06:55:39	117.4		11:38:44		16:21:24	242.4	16:53:02	09:25:45	14.151	-19.981	37
11/22/2027	M	06:25:11	06:56:55	117.7		11:38:59		16:20:40	242.1	16:52:24	09:23:45	13.890	-20.196	27
11/23/2027	Tu	06:26:21	06:58:10	118.1		11:39:16		16:19:59	241.8	16:51:47	09:21:49	13.616	-20.406	18
11/24/2027	W	06:27:31	06:59:24	118.4		11:39:33		16:19:20	241.5	16:51:12	09:19:55	13.329	-20.609	10
11/25/2027	Th	06:28:40	07:00:38	118.7		11:39:51		16:18:43	241.2	16:50:40	09:18:05	13.029	-20.806	5
11/26/2027	F	06:29:48	07:01:50	118.9		11:40:10		16:18:08	241.0	16:50:10	09:16:18	12.716	-20.997	1
11/27/2027	Sat	06:30:55	07:03:02	119.2		11:40:29		16:17:36	240.7	16:49:43	09:14:34	12.391	-21.181	0
11/28/2027	Sun	06:32:02	07:04:13	119.5		11:40:49		16:17:07	240.4	16:49:18	09:12:54	12.054	-21.358	1
11/29/2027	M	06:33:07	07:05:23	119.7		11:41:10		16:16:40	240.2	16:48:55	09:11:17	11.705	-21.528	4
11/30/2027	Tu	06:34:12	07:06:32	120.0		11:41:32		16:16:15	239.9	16:48:34	09:09:43	11.345	-21.692	9
12/01/2027	W	06:35:15	07:07:39	120.2		11:41:54		16:15:52	239.7	16:48:16	09:08:13	10.974	-21.849	15
12/02/2027	Th	06:36:18	07:08:45	120.4		11:42:17		16:15:33	239.5	16:48:00	09:06:47	10.592	-21.999	23
12/03/2027	F	06:37:19	07:09:50	120.7		11:42:41		16:15:15	239.3	16:47:46	09:05:25	10.201	-22.141	31
12/04/2027	Sat	06:38:19	07:10:54	120.9		11:43:05		16:15:01	239.1	16:47:35	09:04:07	9.799	-22.277	40
12/05/2027	Sun	06:39:18	07:11:56	121.1		11:43:29		16:14:48	238.9	16:47:27	09:02:52	9.389	-22.405	50
12/06/2027	M	06:40:16	07:12:57	121.2		11:43:54		16:14:39	238.7	16:47:20	09:01:42	8.970	-22.526	59
12/07/2027	Tu	06:41:12	07:13:56	121.4		11:44:20		16:14:32	238.5	16:47:16	09:00:35	8.542	-22.640	68
12/08/2027	W	06:42:06	07:14:54	121.6		11:44:46		16:14:27	238.4	16:47:15	08:59:33	8.107	-22.747	77
12/09/2027	Th	06:43:00	07:15:50	121.7		11:45:13		16:14:25	238.2	16:47:15	08:58:35	7.664	-22.845	85
12/10/2027	F	06:43:51	07:16:44	121.9		11:45:40		16:14:26	238.1	16:47:18	08:57:41	7.214	-22.937	92
12/11/2027	Sat	06:44:41	07:17:37	122.0		11:46:07		16:14:29	238.0	16:47:24	08:56:52	6.758	-23.021	97
12/12/2027	Sun	06:45:30	07:18:27	122.1		11:46:35		16:14:34	237.8	16:47:32	08:56:07	6.295	-23.097	100
12/13/2027	M	06:46:17	07:19:16	122.2		11:47:03		16:14:43	237.7	16:47:42	08:55:27	5.827	-23.166	100
12/14/2027	Tu	06:47:02	07:20:03	122.3		11:47:31		16:14:53	237.6	16:47:54	08:54:50	5.354	-23.227	97
12/15/2027	W	06:47:45	07:20:48	122.4		11:48:00		16:15:07	237.6	16:48:09	08:54:19	4.876	-23.280	92
12/16/2027	Th	06:48:27	07:21:31	122.5		11:48:29		16:15:23	237.5	16:48:27	08:53:52	4.393	-23.326	84
12/17/2027	F	06:49:06	07:22:12	122.5		11:48:58		16:15:41	237.4	16:48:46	08:53:29	3.906	-23.364	74
12/18/2027	Sat	06:49:44	07:22:50	122.6		11:49:28		16:16:02	237.4	16:49:08	08:53:12	3.417	-23.394	64

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
12/19/2027	Sun	06:50:20	07:23:27	122.6		11:49:57		16:16:25	237.4	16:49:32	08:52:58	2.924	-23.416	53
12/20/2027	M	06:50:54	07:24:01	122.6		11:50:27		16:16:51	237.4	16:49:58	08:52:50	2.429	-23.430	41
12/21/2027	Tu	06:51:26	07:24:33	122.7		11:50:57		16:17:20	237.3	16:50:27	08:52:46	1.932	-23.437	31
12/22/2027	W	06:51:56	07:25:03	122.7		11:51:27		16:17:50	237.4	16:50:57	08:52:47	1.434	-23.435	22
12/23/2027	Th	06:52:24	07:25:31	122.6		11:51:56		16:18:23	237.4	16:51:30	08:52:52	0.936	-23.426	14
12/24/2027	F	06:52:50	07:25:56	122.6		11:52:26		16:18:59	237.4	16:52:05	08:53:03	0.437	-23.409	7
12/25/2027	Sat	06:53:13	07:26:19	122.6		11:52:56		16:19:37	237.4	16:52:42	08:53:18	-0.060	-23.384	3
12/26/2027	Sun	06:53:35	07:26:39	122.5		11:53:26		16:20:16	237.5	16:53:21	08:53:37	-0.556	-23.351	1
12/27/2027	M	06:53:54	07:26:57	122.5		11:53:56		16:20:59	237.6	16:54:02	08:54:01	-1.051	-23.311	0
12/28/2027	Tu	06:54:11	07:27:13	122.4		11:54:25		16:21:43	237.6	16:54:45	08:54:30	-1.542	-23.262	2
12/29/2027	W	06:54:26	07:27:26	122.3		11:54:54		16:22:29	237.7	16:55:30	08:55:03	-2.031	-23.206	5
12/30/2027	Th	06:54:38	07:27:37	122.2		11:55:23		16:23:18	237.8	16:56:16	08:55:41	-2.515	-23.142	10
12/31/2027	F	06:54:48	07:27:45	122.1		11:55:52		16:24:08	237.9	16:57:05	08:56:23	-2.995	-23.070	16
01/01/2028	Sat	06:54:56	07:27:50	122.0		11:56:21		16:25:01	238.0	16:57:55	08:57:10	-3.471	-22.991	24
01/02/2028	Sun	06:55:01	07:27:53	121.9		11:56:49		16:25:55	238.2	16:58:47	08:58:02	-3.940	-22.904	32
01/03/2028	M	06:55:05	07:27:54	121.7		11:57:17		16:26:51	238.3	16:59:40	08:58:57	-4.403	-22.809	41
01/04/2028	Tu	06:55:05	07:27:52	121.6		11:57:44		16:27:48	238.5	17:00:35	08:59:57	-4.860	-22.707	51
01/05/2028	W	06:55:04	07:27:47	121.4		11:58:11		16:28:48	238.6	17:01:31	09:01:01	-5.310	-22.598	61
01/06/2028	Th	06:55:00	07:27:40	121.2		11:58:38		16:29:49	238.8	17:02:29	09:02:09	-5.752	-22.480	71
01/07/2028	F	06:54:53	07:27:30	121.1		11:59:04		16:30:52	239.0	17:03:28	09:03:22	-6.185	-22.356	80
01/08/2028	Sat	06:54:45	07:27:18	120.9		11:59:29		16:31:56	239.2	17:04:29	09:04:38	-6.611	-22.224	88
01/09/2028	Sun	06:54:33	07:27:03	120.7		11:59:54		16:33:01	239.4	17:05:31	09:05:58	-7.027	-22.085	94
01/10/2028	M	06:54:20	07:26:45	120.4		12:00:19		16:34:08	239.6	17:06:34	09:07:23	-7.434	-21.939	99
01/11/2028	Tu	06:54:04	07:26:26	120.2		12:00:42		16:35:16	239.9	17:07:38	09:08:51	-7.832	-21.786	100
01/12/2028	W	06:53:46	07:26:03	120.0		12:01:06		16:36:26	240.1	17:08:44	09:10:23	-8.220	-21.625	99
01/13/2028	Th	06:53:26	07:25:39	119.7		12:01:28		16:37:37	240.4	17:09:50	09:11:58	-8.597	-21.458	94
01/14/2028	F	06:53:03	07:25:12	119.5		12:01:50		16:38:49	240.6	17:10:58	09:13:37	-8.965	-21.283	87
01/15/2028	Sat	06:52:38	07:24:42	119.2		12:02:12		16:40:02	240.9	17:12:06	09:15:20	-9.321	-21.102	78
01/16/2028	Sun	06:52:11	07:24:10	118.9		12:02:33		16:41:16	241.2	17:13:16	09:17:06	-9.667	-20.914	68
01/17/2028	M	06:51:41	07:23:36	118.6		12:02:53		16:42:31	241.5	17:14:26	09:18:55	-10.002	-20.720	57
01/18/2028	Tu	06:51:09	07:22:59	118.3		12:03:12		16:43:47	241.8	17:15:38	09:20:47	-10.325	-20.519	46
01/19/2028	W	06:50:35	07:22:21	118.0		12:03:31		16:45:04	242.1	17:16:50	09:22:43	-10.636	-20.311	36
01/20/2028	Th	06:49:59	07:21:40	117.7		12:03:49		16:46:21	242.4	17:18:03	09:24:42	-10.936	-20.097	26
01/21/2028	F	06:49:21	07:20:56	117.4		12:04:06		16:47:40	242.7	17:19:16	09:26:44	-11.223	-19.877	18
01/22/2028	Sat	06:48:40	07:20:11	117.1		12:04:22		16:48:59	243.1	17:20:30	09:28:48	-11.498	-19.650	11
01/23/2028	Sun	06:47:57	07:19:23	116.7		12:04:38		16:50:19	243.4	17:21:45	09:30:56	-11.760	-19.418	6
01/24/2028	M	06:47:13	07:18:33	116.4		12:04:53		16:51:39	243.8	17:23:01	09:33:06	-12.010	-19.179	2
01/25/2028	Tu	06:46:26	07:17:42	116.0		12:05:07		16:53:00	244.1	17:24:16	09:35:18	-12.246	-18.934	0
01/26/2028	W	06:45:37	07:16:48	115.7		12:05:21		16:54:21	244.5	17:25:33	09:37:34	-12.470	-18.684	0
01/27/2028	Th	06:44:46	07:15:52	115.3		12:05:33		16:55:43	244.9	17:26:50	09:39:51	-12.680	-18.428	2
01/28/2028	F	06:43:53	07:14:54	114.9		12:05:45		16:57:05	245.3	17:28:07	09:42:11	-12.876	-18.167	6
01/29/2028	Sat	06:42:58	07:13:54	114.5		12:05:56		16:58:28	245.6	17:29:24	09:44:34	-13.059	-17.900	11
01/30/2028	Sun	06:42:01	07:12:52	114.1		12:06:06		16:59:50	246.0	17:30:42	09:46:58	-13.227	-17.627	17
01/31/2028	M	06:41:03	07:11:48	113.7		12:06:16		17:01:13	246.4	17:32:00	09:49:25	-13.383	-17.350	25
02/01/2028	Tu	06:40:02	07:10:43	113.3		12:06:24		17:02:36	246.9	17:33:18	09:51:54	-13.524	-17.067	34
02/02/2028	W	06:38:59	07:09:35	112.9		12:06:32		17:03:59	247.3	17:34:36	09:54:24	-13.651	-16.780	44
02/03/2028	Th	06:37:55	07:08:26	112.5		12:06:38		17:05:23	247.7	17:35:55	09:56:57	-13.765	-16.487	54
02/04/2028	F	06:36:49	07:07:15	112.1		12:06:44		17:06:46	248.1	17:37:13	09:59:31	-13.864	-16.190	64
02/05/2028	Sat	06:35:41	07:06:03	111.6		12:06:50		17:08:09	248.6	17:38:32	10:02:07	-13.950	-15.888	74
02/06/2028	Sun	06:34:32	07:04:48	111.2		12:06:54		17:09:33	249.0	17:39:50	10:04:44	-14.022	-15.582	84
02/07/2028	M	06:33:21	07:03:33	110.7		12:06:57		17:10:56	249.5	17:41:09	10:07:23	-14.081	-15.271	91
02/08/2028	Tu	06:32:08	07:02:15	110.3		12:07:00		17:12:19	249.9	17:42:28	10:10:04	-14.126	-14.956	97
02/09/2028	W	06:30:53	07:00:56	109.8		12:07:02		17:13:42	250.4	17:43:47	10:12:46	-14.158	-14.637	100
02/10/2028	Th	06:29:37	06:59:36	109.4		12:07:03		17:15:05	250.8	17:45:05	10:15:30	-14.176	-14.314	100
02/11/2028	F	06:28:20	06:58:14	108.9		12:07:03		17:16:28	251.3	17:46:24	10:18:14	-14.182	-13.987	96

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
02/12/2028	Sat	06:27:01	06:56:51	108.4		12:07:03		17:17:51	251.8	17:47:43	10:21:00	-14.175	-13.656	90
02/13/2028	Sun	06:25:40	06:55:26	108.0		12:07:02		17:19:14	252.3	17:49:01	10:23:48	-14.156	-13.321	82
02/14/2028	M	06:24:19	06:54:00	107.5		12:07:00		17:20:36	252.7	17:50:20	10:26:36	-14.125	-12.982	73
02/15/2028	Tu	06:22:55	06:52:33	107.0		12:06:57		17:21:59	253.2	17:51:38	10:29:26	-14.081	-12.640	63
02/16/2028	W	06:21:31	06:51:05	106.5		12:06:54		17:23:21	253.7	17:52:57	10:32:16	-14.026	-12.295	52
02/17/2028	Th	06:20:05	06:49:35	106.0		12:06:50		17:24:43	254.2	17:54:15	10:35:08	-13.960	-11.946	42
02/18/2028	F	06:18:38	06:48:04	105.5		12:06:45		17:26:05	254.7	17:55:33	10:38:00	-13.882	-11.594	32
02/19/2028	Sat	06:17:09	06:46:33	105.0		12:06:40		17:27:26	255.2	17:56:52	10:40:54	-13.793	-11.239	23
02/20/2028	Sun	06:15:40	06:45:00	104.5		12:06:34		17:28:48	255.7	17:58:10	10:43:48	-13.693	-10.881	16
02/21/2028	M	06:14:09	06:43:26	104.0		12:06:27		17:30:09	256.2	17:59:28	10:46:43	-13.582	-10.520	9
02/22/2028	Tu	06:12:37	06:41:51	103.5		12:06:20		17:31:30	256.7	18:00:45	10:49:39	-13.461	-10.156	5
02/23/2028	W	06:11:04	06:40:15	103.0		12:06:12		17:32:50	257.3	18:02:03	10:52:35	-13.330	-9.790	1
02/24/2028	Th	06:09:30	06:38:38	102.5		12:06:04		17:34:10	257.8	18:03:21	10:55:33	-13.188	-9.421	0
02/25/2028	F	06:07:55	06:37:00	101.9		12:05:55		17:35:30	258.3	18:04:38	10:58:31	-13.037	-9.050	1
02/26/2028	Sat	06:06:19	06:35:21	101.4		12:05:45		17:36:50	258.8	18:05:55	11:01:29	-12.876	-8.677	3
02/27/2028	Sun	06:04:41	06:33:42	100.9		12:05:35		17:38:10	259.4	18:07:12	11:04:28	-12.706	-8.302	7
02/28/2028	M	06:03:03	06:32:01	100.4		12:05:24		17:39:29	259.9	18:08:29	11:07:27	-12.526	-7.924	12
02/29/2028	Tu	06:01:24	06:30:20	99.8		12:05:13		17:40:47	260.4	18:09:46	11:10:27	-12.338	-7.545	20
03/01/2028	W	05:59:45	06:28:38	99.3		12:05:01		17:42:06	261.0	18:11:02	11:13:28	-12.141	-7.164	28
03/02/2028	Th	05:58:04	06:26:56	98.8		12:04:49		17:43:24	261.5	18:12:19	11:16:28	-11.936	-6.781	38
03/03/2028	F	05:56:22	06:25:13	98.2		12:04:36		17:44:42	262.0	18:13:35	11:19:29	-11.723	-6.397	48
03/04/2028	Sat	05:54:40	06:23:29	97.7		12:04:23		17:46:00	262.6	18:14:51	11:22:31	-11.501	-6.011	59
03/05/2028	Sun	05:52:57	06:21:44	97.1		12:04:09		17:47:17	263.1	18:16:07	11:25:33	-11.273	-5.624	69
03/06/2028	M	05:51:13	06:19:59	96.6		12:03:55		17:48:34	263.7	18:17:23	11:28:35	-11.037	-5.235	79
03/07/2028	Tu	05:49:29	06:18:14	96.1		12:03:40		17:49:51	264.2	18:18:39	11:31:37	-10.795	-4.846	88
03/08/2028	W	05:47:44	06:16:28	95.5		12:03:25		17:51:07	264.7	18:19:54	11:34:39	-10.546	-4.455	95
03/09/2028	Th	05:45:58	06:14:41	95.0		12:03:10		17:52:23	265.3	18:21:10	11:37:42	-10.291	-4.064	99
03/10/2028	F	05:44:11	06:12:54	94.4		12:02:54		17:53:39	265.8	18:22:25	11:40:45	-10.030	-3.672	100
03/11/2028	Sat	05:42:25	06:11:07	93.9		12:02:38		17:54:55	266.4	18:23:41	11:43:48	-9.764	-3.279	98
03/12/2028	Sun*	06:40:37	07:09:19	93.3		13:02:22		18:56:10	266.9	19:24:56	11:46:51	-9.494	-2.885	94
03/13/2028	M*	06:38:49	07:07:31	92.8		13:02:06		18:57:26	267.5	19:26:11	11:49:55	-9.218	-2.491	87
03/14/2028	Tu*	06:37:01	07:05:43	92.2		13:01:49		18:58:41	268.0	19:27:26	11:52:58	-8.939	-2.096	78
03/15/2028	W*	06:35:12	07:03:54	91.7		13:01:32		18:59:56	268.6	19:28:41	11:56:02	-8.657	-1.701	69
03/16/2028	Th*	06:33:23	07:02:05	91.1		13:01:15		19:01:10	269.1	19:29:57	11:59:05	-8.371	-1.306	59
03/17/2028	F*	06:31:33	07:00:16	90.6		13:00:57		19:02:25	269.7	19:31:12	12:02:09	-8.082	-0.911	49
03/18/2028	Sat*	06:29:43	06:58:27	90.0		13:00:40		19:03:39	270.2	19:32:27	12:05:12	-7.790	-0.515	39
03/19/2028	Sun*	06:27:53	06:56:38	89.5		13:00:22		19:04:54	270.8	19:33:42	12:08:16	-7.497	-0.120	30
03/20/2028	M*	06:26:03	06:54:48	88.9	07:02:13	13:00:05	18:56:32	19:06:08	271.3	19:34:57	12:11:20	-7.201	0.275	21
03/21/2028	Tu*	06:24:12	06:52:59	88.4	07:03:33	12:59:47	18:54:37	19:07:22	271.9	19:36:13	12:14:23	-6.904	0.670	14
03/22/2028	W*	06:22:21	06:51:09	87.8	07:04:53	12:59:29	18:52:41	19:08:36	272.4	19:37:28	12:17:27	-6.606	1.065	8
03/23/2028	Th*	06:20:30	06:49:19	87.3	07:06:13	12:59:11	18:50:45	19:09:50	273.0	19:38:43	12:20:30	-6.307	1.459	4
03/24/2028	F*	06:18:39	06:47:30	86.7	07:07:32	12:58:53	18:48:50	19:11:03	273.5	19:39:59	12:23:34	-6.007	1.852	1
03/25/2028	Sat*	06:16:48	06:45:40	86.2	07:08:52	12:58:35	18:46:55	19:12:17	274.1	19:41:14	12:26:37	-5.706	2.245	0
03/26/2028	Sun*	06:14:56	06:43:51	85.7	07:10:11	12:58:17	18:45:00	19:13:31	274.6	19:42:30	12:29:40	-5.406	2.637	1
03/27/2028	M*	06:13:05	06:42:01	85.1	07:11:30	12:57:59	18:43:05	19:14:44	275.2	19:43:46	12:32:43	-5.105	3.028	4
03/28/2028	Tu*	06:11:13	06:40:12	84.6	07:12:50	12:57:41	18:41:10	19:15:57	275.7	19:45:01	12:35:45	-4.806	3.418	8
03/29/2028	W*	06:09:22	06:38:23	84.0	07:14:09	12:57:23	18:39:16	19:17:11	276.3	19:46:17	12:38:48	-4.507	3.807	15
03/30/2028	Th*	06:07:30	06:36:34	83.5	07:15:28	12:57:05	18:37:21	19:18:24	276.8	19:47:33	12:41:50	-4.208	4.195	23
03/31/2028	F*	06:05:39	06:34:46	82.9	07:16:46	12:56:47	18:35:27	19:19:37	277.3	19:48:49	12:44:52	-3.912	4.582	32
04/01/2028	Sat*	06:03:48	06:32:57	82.4	07:18:05	12:56:30	18:33:34	19:20:50	277.9	19:50:05	12:47:53	-3.617	4.967	43
04/02/2028	Sun*	06:01:56	06:31:09	81.9	07:19:24	12:56:12	18:31:40	19:22:03	278.4	19:51:22	12:50:54	-3.323	5.350	54
04/03/2028	M*	06:00:05	06:29:21	81.3	07:20:42	12:55:54	18:29:48	19:23:16	279.0	19:52:38	12:53:55	-3.032	5.732	65
04/04/2028	Tu*	05:58:14	06:27:34	80.8	07:22:01	12:55:37	18:27:55	19:24:29	279.5	19:53:54	12:56:55	-2.743	6.112	75
04/05/2028	W*	05:56:24	06:25:47	80.3	07:23:19	12:55:20	18:26:03	19:25:42	280.0	19:55:11	12:59:55	-2.457	6.491	85
04/06/2028	Th*	05:54:33	06:24:00	79.7	07:24:38	12:55:03	18:24:11	19:26:55	280.6	19:56:27	13:02:55	-2.175	6.868	92

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
04/07/2028	F*	05:52:43	06:22:14	79.2	07:25:56	12:54:46	18:22:20	19:28:08	281.1	19:57:44	13:05:54	-1.895	7.242	97
04/08/2028	Sat*	05:50:53	06:20:28	78.7	07:27:14	12:54:30	18:20:30	19:29:21	281.6	19:59:01	13:08:53	-1.620	7.615	100
04/09/2028	Sun*	05:49:04	06:18:42	78.2	07:28:32	12:54:13	18:18:40	19:30:33	282.1	20:00:18	13:11:51	-1.348	7.985	99
04/10/2028	M*	05:47:15	06:16:58	77.6	07:29:51	12:53:57	18:16:51	19:31:46	282.6	20:01:36	13:14:48	-1.081	8.353	96
04/11/2028	Tu*	05:45:26	06:15:13	77.1	07:31:09	12:53:42	18:15:02	19:32:59	283.2	20:02:53	13:17:45	-0.820	8.719	90
04/12/2028	W*	05:43:38	06:13:30	76.6	07:32:27	12:53:26	18:13:14	19:34:12	283.7	20:04:11	13:20:42	-0.563	9.083	83
04/13/2028	Th*	05:41:50	06:11:47	76.1	07:33:45	12:53:11	18:11:27	19:35:25	284.2	20:05:28	13:23:38	-0.312	9.444	75
04/14/2028	F*	05:40:03	06:10:05	75.6	07:35:03	12:52:57	18:09:40	19:36:38	284.7	20:06:46	13:26:33	-0.067	9.802	65
04/15/2028	Sat*	05:38:16	06:08:23	75.1	07:36:22	12:52:42	18:07:55	19:37:50	285.2	20:08:04	13:29:27	0.172	10.158	56
04/16/2028	Easter*	05:36:30	06:06:42	74.6	07:37:40	12:52:28	18:06:10	19:39:03	285.7	20:09:22	13:32:21	0.405	10.511	46
04/17/2028	M*	05:34:44	06:05:02	74.1	07:38:58	12:52:15	18:04:26	19:40:16	286.2	20:10:41	13:35:14	0.631	10.861	37
04/18/2028	Tu*	05:33:00	06:03:23	73.6	07:40:16	12:52:02	18:02:43	19:41:29	286.7	20:11:59	13:38:06	0.849	11.208	28
04/19/2028	W*	05:31:16	06:01:44	73.1	07:41:34	12:51:49	18:01:01	19:42:42	287.2	20:13:18	13:40:58	1.061	11.552	20
04/20/2028	Th*	05:29:32	06:00:07	72.6	07:42:52	12:51:37	17:59:19	19:43:55	287.7	20:14:37	13:43:48	1.266	11.893	13
04/21/2028	F*	05:27:50	05:58:30	72.1	07:44:10	12:51:25	17:57:39	19:45:08	288.1	20:15:56	13:46:38	1.463	12.231	7
04/22/2028	Sat*	05:26:08	05:56:54	71.7	07:45:28	12:51:13	17:56:00	19:46:21	288.6	20:17:15	13:49:26	1.652	12.565	3
04/23/2028	Sun*	05:24:27	05:55:20	71.2	07:46:45	12:51:03	17:54:22	19:47:34	289.1	20:18:34	13:52:14	1.834	12.896	1
04/24/2028	M*	05:22:47	05:53:46	70.7	07:48:03	12:50:52	17:52:45	19:48:46	289.6	20:19:53	13:55:00	2.008	13.224	0
04/25/2028	Tu*	05:21:08	05:52:13	70.2	07:49:20	12:50:42	17:51:09	19:49:59	290.0	20:21:12	13:57:46	2.173	13.547	2
04/26/2028	W*	05:19:30	05:50:42	69.8	07:50:38	12:50:33	17:49:34	19:51:11	290.5	20:22:31	14:00:30	2.330	13.868	6
04/27/2028	Th*	05:17:53	05:49:11	69.3	07:51:55	12:50:24	17:48:01	19:52:24	290.9	20:23:50	14:03:13	2.479	14.184	12
04/28/2028	F*	05:16:17	05:47:42	68.9	07:53:12	12:50:15	17:46:28	19:53:36	291.4	20:25:09	14:05:54	2.620	14.496	19
04/29/2028	Sat*	05:14:41	05:46:14	68.4	07:54:29	12:50:07	17:44:57	19:54:48	291.8	20:26:28	14:08:35	2.752	14.804	29
04/30/2028	Sun*	05:13:08	05:44:47	68.0	07:55:45	12:50:00	17:43:27	19:56:00	292.3	20:27:47	14:11:14	2.876	15.108	39
05/01/2028	M*	05:11:35	05:43:21	67.5	07:57:01	12:49:53	17:41:59	19:57:12	292.7	20:29:06	14:13:51	2.991	15.408	50
05/02/2028	Tu*	05:10:03	05:41:56	67.1	07:58:17	12:49:47	17:40:32	19:58:23	293.1	20:30:24	14:16:27	3.097	15.704	62
05/03/2028	W*	05:08:33	05:40:33	66.7	07:59:33	12:49:41	17:39:06	19:59:34	293.6	20:31:43	14:19:01	3.195	15.996	73
05/04/2028	Th*	05:07:04	05:39:11	66.3	08:00:48	12:49:36	17:37:42	20:00:45	294.0	20:33:01	14:21:34	3.283	16.282	82
05/05/2028	F*	05:05:36	05:37:51	65.9	08:02:03	12:49:31	17:36:19	20:01:56	294.4	20:34:19	14:24:05	3.363	16.565	90
05/06/2028	Sat*	05:04:09	05:36:32	65.4	08:03:17	12:49:27	17:34:58	20:03:06	294.8	20:35:36	14:26:35	3.433	16.843	96
05/07/2028	Sun*	05:02:44	05:35:14	65.0	08:04:31	12:49:23	17:33:38	20:04:16	295.2	20:36:54	14:29:02	3.495	17.116	99
05/08/2028	M*	05:01:21	05:33:58	64.6	08:05:45	12:49:20	17:32:20	20:05:26	295.6	20:38:11	14:31:28	3.546	17.384	100
05/09/2028	Tu*	04:59:58	05:32:43	64.3	08:06:58	12:49:17	17:31:04	20:06:35	296.0	20:39:27	14:33:52	3.589	17.647	98
05/10/2028	W*	04:58:38	05:31:30	63.9	08:08:10	12:49:15	17:29:49	20:07:43	296.4	20:40:44	14:36:13	3.621	17.906	94
05/11/2028	Th*	04:57:19	05:30:19	63.5	08:09:22	12:49:14	17:28:36	20:08:51	296.7	20:41:59	14:38:33	3.644	18.160	88
05/12/2028	F*	04:56:01	05:29:09	63.1	08:10:34	12:49:13	17:27:25	20:09:59	297.1	20:43:15	14:40:51	3.658	18.408	80
05/13/2028	Sat*	04:54:46	05:28:00	62.8	08:11:45	12:49:13	17:26:15	20:11:06	297.5	20:44:29	14:43:06	3.661	18.652	72
05/14/2028	Sun*	04:53:31	05:26:54	62.4	08:12:55	12:49:13	17:25:07	20:12:13	297.8	20:45:44	14:45:19	3.655	18.890	63
05/15/2028	M*	04:52:19	05:25:49	62.1	08:14:04	12:49:14	17:24:02	20:13:19	298.2	20:46:57	14:47:30	3.639	19.123	53
05/16/2028	Tu*	04:51:09	05:24:46	61.7	08:15:13	12:49:16	17:22:58	20:14:24	298.5	20:48:10	14:49:38	3.614	19.350	44
05/17/2028	W*	04:50:00	05:23:45	61.4	08:16:21	12:49:18	17:21:56	20:15:29	298.8	20:49:22	14:51:44	3.579	19.572	34
05/18/2028	Th*	04:48:53	05:22:46	61.1	08:17:28	12:49:21	17:20:56	20:16:33	299.1	20:50:34	14:53:47	3.534	19.789	26
05/19/2028	F*	04:47:48	05:21:48	60.7	08:18:34	12:49:24	17:19:58	20:17:36	299.5	20:51:44	14:55:48	3.480	19.999	18
05/20/2028	Sat*	04:46:45	05:20:53	60.4	08:19:40	12:49:28	17:19:01	20:18:39	299.8	20:52:54	14:57:46	3.417	20.205	11
05/21/2028	Sun*	04:45:44	05:19:59	60.1	08:20:44	12:49:32	17:18:08	20:19:40	300.1	20:54:02	14:59:41	3.344	20.404	6
05/22/2028	M*	04:44:46	05:19:08	59.8	08:21:48	12:49:37	17:17:16	20:20:41	300.4	20:55:10	15:01:33	3.263	20.598	2
05/23/2028	Tu*	04:43:49	05:18:18	59.5	08:22:50	12:49:42	17:16:26	20:21:40	300.6	20:56:17	15:03:22	3.173	20.785	0
05/24/2028	W*	04:42:54	05:17:30	59.3	08:23:51	12:49:48	17:15:38	20:22:39	300.9	20:57:22	15:05:08	3.075	20.967	1
05/25/2028	Th*	04:42:02	05:16:45	59.0	08:24:51	12:49:54	17:14:53	20:23:36	301.2	20:58:26	15:06:51	2.968	21.143	4
05/26/2028	F*	04:41:11	05:16:01	58.7	08:25:49	12:50:01	17:14:09	20:24:32	301.4	20:59:29	15:08:31	2.854	21.312	9
05/27/2028	Sat*	04:40:23	05:15:20	58.5	08:26:47	12:50:09	17:13:28	20:25:28	301.7	21:00:31	15:10:08	2.732	21.476	17
05/28/2028	Sun*	04:39:37	05:14:40	58.2	08:27:43	12:50:16	17:12:49	20:26:22	301.9	21:01:31	15:11:41	2.602	21.633	26
05/29/2028	M*	04:38:54	05:14:03	58.0	08:28:37	12:50:25	17:12:13	20:27:14	302.1	21:02:30	15:13:11	2.466	21.784	37
05/30/2028	Tu*	04:38:12	05:13:28	57.8	08:29:31	12:50:33	17:11:38	20:28:06	302.3	21:03:27	15:14:38	2.322	21.928	48
05/31/2028	W*	04:37:33	05:12:55	57.6	08:30:22	12:50:42	17:11:06	20:28:55	302.6	21:04:23	15:16:01	2.173	22.067	59

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
06/01/2028	Th*	04:36:57	05:12:24	57.4	08:31:12	12:50:52	17:10:36	20:29:44	302.8	21:05:17	15:17:20	2.017	22.198	70
06/02/2028	F*	04:36:22	05:11:55	57.2	08:32:01	12:51:01	17:10:09	20:30:31	302.9	21:06:09	15:18:36	1.855	22.324	80
06/03/2028	Sat*	04:35:50	05:11:29	57.0	08:32:47	12:51:11	17:09:43	20:31:16	303.1	21:07:00	15:19:48	1.688	22.443	88
06/04/2028	Sun*	04:35:21	05:11:04	56.8	08:33:32	12:51:22	17:09:21	20:32:00	303.3	21:07:49	15:20:56	1.515	22.555	94
06/05/2028	M*	04:34:54	05:10:42	56.6	08:34:16	12:51:32	17:09:00	20:32:43	303.5	21:08:35	15:22:00	1.336	22.661	98
06/06/2028	Tu*	04:34:29	05:10:22	56.5	08:34:57	12:51:43	17:08:42	20:33:23	303.6	21:09:21	15:23:01	1.153	22.760	100
06/07/2028	W*	04:34:07	05:10:05	56.3	08:35:37	12:51:55	17:08:26	20:34:02	303.7	21:10:04	15:23:58	0.965	22.852	99
06/08/2028	Th*	04:33:48	05:09:49	56.2	08:36:15	12:52:06	17:08:12	20:34:39	303.9	21:10:45	15:24:50	0.773	22.938	96
06/09/2028	F*	04:33:31	05:09:36	56.1	08:36:51	12:52:18	17:08:01	20:35:15	304.0	21:11:24	15:25:39	0.577	23.017	91
06/10/2028	Sat*	04:33:16	05:09:25	56.0	08:37:25	12:52:30	17:07:52	20:35:49	304.1	21:12:00	15:26:24	0.376	23.089	85
06/11/2028	Sun*	04:33:05	05:09:16	55.9	08:37:57	12:52:42	17:07:46	20:36:20	304.2	21:12:35	15:27:04	0.172	23.155	78
06/12/2028	M*	04:32:55	05:09:10	55.8	08:38:27	12:52:55	17:07:42	20:36:50	304.3	21:13:08	15:27:40	-0.035	23.214	69
06/13/2028	Tu*	04:32:48	05:09:06	55.7	08:38:55	12:53:07	17:07:41	20:37:18	304.4	21:13:38	15:28:12	-0.245	23.266	60
06/14/2028	W*	04:32:44	05:09:04	55.6	08:39:20	12:53:20	17:07:41	20:37:44	304.4	21:14:06	15:28:40	-0.457	23.311	51
06/15/2028	Th*	04:32:42	05:09:04	55.6	08:39:44	12:53:33	17:07:44	20:38:08	304.5	21:14:32	15:29:04	-0.672	23.349	41
06/16/2028	F*	04:32:43	05:09:07	55.5	08:40:06	12:53:46	17:07:50	20:38:30	304.5	21:14:55	15:29:24	-0.888	23.380	32
06/17/2028	Sat*	04:32:47	05:09:12	55.5	08:40:25	12:53:59	17:07:58	20:38:50	304.6	21:15:16	15:29:39	-1.106	23.405	23
06/18/2028	Sun*	04:32:53	05:09:19	55.4	08:40:42	12:54:12	17:08:08	20:39:08	304.6	21:15:35	15:29:50	-1.325	23.422	15
06/19/2028	M*	04:33:01	05:09:28	55.4	08:40:57	12:54:25	17:08:20	20:39:24	304.6	21:15:51	15:29:56	-1.544	23.433	8
06/20/2028	Tu*	04:33:12	05:09:39	55.4	08:41:09	12:54:38	17:08:35	20:39:38	304.6	21:16:05	15:29:59	-1.763	23.437	3
06/21/2028	W*	04:33:26	05:09:53	55.4	08:41:19	12:54:51	17:08:51	20:39:49	304.6	21:16:16	15:29:57	-1.982	23.433	1
06/22/2028	Th*	04:33:41	05:10:08	55.4	08:41:27	12:55:05	17:09:10	20:39:58	304.6	21:16:24	15:29:50	-2.200	23.423	0
06/23/2028	F*	04:34:00	05:10:26	55.4	08:41:33	12:55:18	17:09:31	20:40:05	304.5	21:16:30	15:29:40	-2.417	23.406	2
06/24/2028	Sat*	04:34:20	05:10:45	55.5	08:41:36	12:55:30	17:09:55	20:40:10	304.5	21:16:34	15:29:25	-2.632	23.383	7
06/25/2028	Sun*	04:34:43	05:11:07	55.5	08:41:37	12:55:43	17:10:20	20:40:13	304.5	21:16:35	15:29:06	-2.845	23.352	15
06/26/2028	M*	04:35:09	05:11:31	55.6	08:41:35	12:55:56	17:10:47	20:40:13	304.4	21:16:33	15:28:42	-3.055	23.314	24
06/27/2028	Tu*	04:35:36	05:11:56	55.6	08:41:31	12:56:08	17:11:17	20:40:11	304.3	21:16:29	15:28:15	-3.262	23.270	34
06/28/2028	W*	04:36:06	05:12:23	55.7	08:41:24	12:56:20	17:11:48	20:40:07	304.2	21:16:22	15:27:43	-3.465	23.219	46
06/29/2028	Th*	04:36:37	05:12:53	55.8	08:41:15	12:56:32	17:12:21	20:40:00	304.1	21:16:12	15:27:07	-3.664	23.161	57
06/30/2028	F*	04:37:11	05:13:24	55.9	08:41:04	12:56:44	17:12:56	20:39:51	304.0	21:16:00	15:26:27	-3.859	23.096	68
07/01/2028	Sat*	04:37:47	05:13:57	56.0	08:40:50	12:56:56	17:13:33	20:39:40	303.9	21:15:45	15:25:43	-4.049	23.025	78
07/02/2028	Sun*	04:38:25	05:14:31	56.1	08:40:34	12:57:07	17:14:11	20:39:26	303.8	21:15:28	15:24:55	-4.235	22.947	86
07/03/2028	M*	04:39:05	05:15:07	56.2	08:40:15	12:57:17	17:14:52	20:39:10	303.7	21:15:08	15:24:03	-4.415	22.862	93
07/04/2028	Tu*	04:39:47	05:15:45	56.4	08:39:54	12:57:28	17:15:34	20:38:52	303.5	21:14:46	15:23:07	-4.589	22.771	97
07/05/2028	W*	04:40:31	05:16:25	56.5	08:39:30	12:57:38	17:16:17	20:38:32	303.4	21:14:21	15:22:07	-4.757	22.673	100
07/06/2028	Th*	04:41:17	05:17:06	56.7	08:39:05	12:57:48	17:17:03	20:38:09	303.2	21:13:53	15:21:03	-4.920	22.568	100
07/07/2028	F*	04:42:04	05:17:48	56.9	08:38:36	12:57:57	17:17:50	20:37:44	303.0	21:13:23	15:19:56	-5.076	22.457	98
07/08/2028	Sat*	04:42:53	05:18:32	57.0	08:38:06	12:58:06	17:18:38	20:37:17	302.9	21:12:50	15:18:44	-5.225	22.340	95
07/09/2028	Sun*	04:43:44	05:19:18	57.2	08:37:33	12:58:15	17:19:28	20:36:47	302.7	21:12:16	15:17:30	-5.368	22.216	89
07/10/2028	M*	04:44:36	05:20:04	57.4	08:36:58	12:58:23	17:20:19	20:36:16	302.5	21:11:38	15:16:11	-5.504	22.086	83
07/11/2028	Tu*	04:45:30	05:20:53	57.6	08:36:20	12:58:30	17:21:12	20:35:42	302.2	21:10:58	15:14:49	-5.632	21.949	75
07/12/2028	W*	04:46:25	05:21:42	57.8	08:35:41	12:58:38	17:22:06	20:35:06	302.0	21:10:16	15:13:24	-5.753	21.807	67
07/13/2028	Th*	04:47:22	05:22:33	58.1	08:34:59	12:58:45	17:23:01	20:34:27	301.8	21:09:32	15:11:55	-5.867	21.658	57
07/14/2028	F*	04:48:20	05:23:25	58.3	08:34:14	12:58:51	17:23:58	20:33:47	301.6	21:08:45	15:10:22	-5.972	21.502	48
07/15/2028	Sat*	04:49:20	05:24:18	58.5	08:33:28	12:58:57	17:24:56	20:33:05	301.3	21:07:56	15:08:47	-6.069	21.341	38
07/16/2028	Sun*	04:50:21	05:25:12	58.8	08:32:39	12:59:02	17:25:54	20:32:20	301.0	21:07:05	15:07:08	-6.158	21.173	28
07/17/2028	M*	04:51:23	05:26:08	59.0	08:31:49	12:59:07	17:26:54	20:31:34	300.8	21:06:11	15:05:26	-6.239	21.000	19
07/18/2028	Tu*	04:52:26	05:27:04	59.3	08:30:56	12:59:11	17:27:55	20:30:45	300.5	21:05:16	15:03:41	-6.310	20.821	12
07/19/2028	W*	04:53:30	05:28:01	59.6	08:30:01	12:59:15	17:28:57	20:29:54	300.2	21:04:18	15:01:53	-6.373	20.635	5
07/20/2028	Th*	04:54:35	05:28:59	59.9	08:29:04	12:59:18	17:30:00	20:29:02	299.9	21:03:18	15:00:02	-6.427	20.444	1
07/21/2028	F*	04:55:42	05:29:59	60.2	08:28:05	12:59:21	17:31:04	20:28:07	299.6	21:02:17	14:58:09	-6.471	20.248	0
07/22/2028	Sat*	04:56:49	05:30:59	60.5	08:27:04	12:59:23	17:32:09	20:27:11	299.3	21:01:13	14:56:12	-6.505	20.045	1
07/23/2028	Sun*	04:57:57	05:31:59	60.8	08:26:01	12:59:24	17:33:14	20:26:12	299.0	21:00:07	14:54:13	-6.530	19.837	6
07/24/2028	M*	04:59:05	05:33:01	61.1	08:24:56	12:59:25	17:34:20	20:25:12	298.7	20:58:59	14:52:11	-6.545	19.624	13
07/25/2028	Tu*	05:00:15	05:34:03	61.4	08:23:50	12:59:26	17:35:27	20:24:10	298.4	20:57:50	14:50:07	-6.550	19.405	22

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
07/26/2028	W*	05:01:25	05:35:05	61.8	08:22:41	12:59:25	17:36:34	20:23:06	298.0	20:56:38	14:48:00	-6.545	19.181	32
07/27/2028	Th*	05:02:36	05:36:09	62.1	08:21:30	12:59:24	17:37:42	20:22:00	297.7	20:55:25	14:45:51	-6.529	18.951	43
07/28/2028	F*	05:03:47	05:37:12	62.4	08:20:18	12:59:23	17:38:50	20:20:52	297.3	20:54:10	14:43:40	-6.503	18.717	54
07/29/2028	Sat*	05:04:59	05:38:17	62.8	08:19:04	12:59:21	17:39:59	20:19:43	297.0	20:52:53	14:41:27	-6.466	18.477	65
07/30/2028	Sun*	05:06:11	05:39:21	63.2	08:17:48	12:59:18	17:41:09	20:18:32	296.6	20:51:35	14:39:11	-6.419	18.232	75
07/31/2028	M*	05:07:24	05:40:27	63.5	08:16:31	12:59:14	17:42:19	20:17:20	296.2	20:50:15	14:36:53	-6.361	17.983	83
08/01/2028	Tu*	05:08:37	05:41:32	63.9	08:15:12	12:59:10	17:43:29	20:16:05	295.9	20:48:53	14:34:33	-6.294	17.728	90
08/02/2028	W*	05:09:50	05:42:38	64.3	08:13:51	12:59:05	17:44:40	20:14:50	295.5	20:47:30	14:32:12	-6.215	17.469	95
08/03/2028	Th*	05:11:04	05:43:44	64.7	08:12:28	12:59:00	17:45:51	20:13:32	295.1	20:46:05	14:29:48	-6.127	17.205	99
08/04/2028	F*	05:12:18	05:44:51	65.1	08:11:05	12:58:54	17:47:02	20:12:14	294.7	20:44:39	14:27:23	-6.029	16.936	100
08/05/2028	Sat*	05:13:32	05:45:58	65.5	08:09:39	12:58:48	17:48:14	20:10:53	294.3	20:43:11	14:24:55	-5.920	16.663	99
08/06/2028	Sun*	05:14:46	05:47:05	65.9	08:08:12	12:58:41	17:49:26	20:09:32	293.9	20:41:42	14:22:27	-5.802	16.385	97
08/07/2028	M*	05:16:01	05:48:12	66.3	08:06:44	12:58:33	17:50:38	20:08:08	293.5	20:40:12	14:19:56	-5.673	16.103	93
08/08/2028	Tu*	05:17:16	05:49:20	66.7	08:05:15	12:58:25	17:51:50	20:06:44	293.1	20:38:40	14:17:24	-5.536	15.817	87
08/09/2028	W*	05:18:30	05:50:28	67.1	08:03:44	12:58:16	17:53:03	20:05:18	292.6	20:37:08	14:14:51	-5.388	15.526	81
08/10/2028	Th*	05:19:45	05:51:36	67.5	08:02:11	12:58:06	17:54:16	20:03:51	292.2	20:35:34	14:12:15	-5.232	15.232	72
08/11/2028	F*	05:21:01	05:52:44	68.0	08:00:38	12:57:56	17:55:29	20:02:23	291.8	20:33:58	14:09:39	-5.066	14.933	63
08/12/2028	Sat*	05:22:16	05:53:52	68.4	07:59:03	12:57:46	17:56:42	20:00:53	291.3	20:32:22	14:07:01	-4.891	14.630	54
08/13/2028	Sun*	05:23:31	05:55:01	68.9	07:57:27	12:57:35	17:57:55	19:59:23	290.9	20:30:45	14:04:22	-4.707	14.323	44
08/14/2028	M*	05:24:46	05:56:09	69.3	07:55:50	12:57:23	17:59:09	19:57:51	290.4	20:29:06	14:01:42	-4.515	14.013	34
08/15/2028	Tu*	05:26:01	05:57:18	69.8	07:54:11	12:57:11	18:00:22	19:56:18	290.0	20:27:27	13:59:00	-4.314	13.698	24
08/16/2028	W*	05:27:16	05:58:26	70.2	07:52:32	12:56:59	18:01:36	19:54:44	289.5	20:25:46	13:56:17	-4.105	13.380	15
08/17/2028	Th*	05:28:31	05:59:35	70.7	07:50:52	12:56:46	18:02:50	19:53:09	289.1	20:24:05	13:53:34	-3.887	13.059	8
08/18/2028	F*	05:29:47	06:00:44	71.1	07:49:10	12:56:32	18:04:04	19:51:33	288.6	20:22:23	13:50:49	-3.661	12.734	3
08/19/2028	Sat*	05:31:01	06:01:53	71.6	07:47:28	12:56:18	18:05:18	19:49:56	288.1	20:20:40	13:48:03	-3.428	12.405	0
08/20/2028	Sun*	05:32:16	06:03:02	72.1	07:45:44	12:56:04	18:06:31	19:48:18	287.6	20:18:56	13:45:16	-3.186	12.074	1
08/21/2028	M*	05:33:31	06:04:11	72.6	07:44:00	12:55:49	18:07:45	19:46:39	287.2	20:17:11	13:42:28	-2.937	11.739	4
08/22/2028	Tu*	05:34:46	06:05:20	73.0	07:42:15	12:55:33	18:08:59	19:44:59	286.7	20:15:26	13:39:39	-2.680	11.401	11
08/23/2028	W*	05:36:00	06:06:28	73.5	07:40:29	12:55:17	18:10:13	19:43:18	286.2	20:13:40	13:36:50	-2.415	11.060	19
08/24/2028	Th*	05:37:14	06:07:37	74.0	07:38:42	12:55:01	18:11:27	19:41:37	285.7	20:11:53	13:34:00	-2.144	10.717	29
08/25/2028	F*	05:38:28	06:08:46	74.5	07:36:54	12:54:44	18:12:41	19:39:55	285.2	20:10:06	13:31:09	-1.865	10.370	40
08/26/2028	Sat*	05:39:42	06:09:55	75.0	07:35:05	12:54:27	18:13:55	19:38:12	284.7	20:08:17	13:28:17	-1.580	10.021	51
08/27/2028	Sun*	05:40:56	06:11:03	75.5	07:33:16	12:54:10	18:15:09	19:36:28	284.2	20:06:29	13:25:25	-1.288	9.669	61
08/28/2028	M*	05:42:09	06:12:12	76.0	07:31:26	12:53:52	18:16:22	19:34:44	283.7	20:04:40	13:22:32	-0.989	9.315	71
08/29/2028	Tu*	05:43:23	06:13:20	76.5	07:29:36	12:53:34	18:17:36	19:32:59	283.2	20:02:50	13:19:38	-0.685	8.958	80
08/30/2028	W*	05:44:36	06:14:29	77.0	07:27:44	12:53:15	18:18:50	19:31:13	282.7	20:01:00	13:16:44	-0.374	8.599	87
08/31/2028	Th*	05:45:49	06:15:37	77.5	07:25:52	12:52:56	18:20:04	19:29:27	282.2	19:59:09	13:13:49	-0.059	8.237	93
09/01/2028	F*	05:47:01	06:16:46	78.0	07:24:00	12:52:37	18:21:17	19:27:40	281.7	19:57:18	13:10:54	0.262	7.874	97
09/02/2028	Sat*	05:48:14	06:17:54	78.6	07:22:07	12:52:17	18:22:31	19:25:52	281.2	19:55:27	13:07:59	0.587	7.508	99
09/03/2028	Sun*	05:49:26	06:19:02	79.1	07:20:13	12:51:58	18:23:45	19:24:05	280.6	19:53:35	13:05:02	0.917	7.140	100
09/04/2028	M*	05:50:38	06:20:11	79.6	07:18:19	12:51:37	18:24:58	19:22:16	280.1	19:51:43	13:02:06	1.251	6.771	99
09/05/2028	Tu*	05:51:50	06:21:19	80.1	07:16:25	12:51:17	18:26:12	19:20:28	279.6	19:49:50	12:59:09	1.589	6.399	96
09/06/2028	W*	05:53:02	06:22:27	80.6	07:14:30	12:50:57	18:27:26	19:18:38	279.1	19:47:58	12:56:11	1.930	6.026	91
09/07/2028	Th*	05:54:14	06:23:35	81.2	07:12:35	12:50:36	18:28:40	19:16:49	278.6	19:46:05	12:53:14	2.274	5.651	85
09/08/2028	F*	05:55:26	06:24:44	81.7	07:10:39	12:50:15	18:29:54	19:14:59	278.0	19:44:12	12:50:15	2.621	5.275	78
09/09/2028	Sat*	05:56:37	06:25:52	82.2	07:08:44	12:49:54	18:31:08	19:13:09	277.5	19:42:19	12:47:17	2.970	4.897	69
09/10/2028	Sun*	05:57:48	06:27:00	82.7	07:06:47	12:49:33	18:32:22	19:11:19	277.0	19:40:25	12:44:18	3.321	4.517	59
09/11/2028	M*	05:59:00	06:28:09	83.3	07:04:51	12:49:12	18:33:36	19:09:28	276.4	19:38:32	12:41:19	3.674	4.136	49
09/12/2028	Tu*	06:00:11	06:29:17	83.8	07:02:54	12:48:51	18:34:51	19:07:37	275.9	19:36:39	12:38:20	4.028	3.754	39
09/13/2028	W*	06:01:22	06:30:26	84.3	07:00:57	12:48:30	18:36:05	19:05:46	275.4	19:34:45	12:35:20	4.383	3.371	28
09/14/2028	Th*	06:02:33	06:31:35	84.9	06:59:01	12:48:08	18:37:20	19:03:55	274.8	19:32:52	12:32:20	4.739	2.987	19
09/15/2028	F*	06:03:44	06:32:43	85.4	06:57:03	12:47:47	18:38:34	19:02:03	274.3	19:30:58	12:29:20	5.095	2.601	10
09/16/2028	Sat*	06:04:54	06:33:52	86.0	06:55:06	12:47:25	18:39:49	19:00:12	273.8	19:29:05	12:26:20	5.451	2.215	4
09/17/2028	Sun*	06:06:05	06:35:01	86.5	06:53:09	12:47:04	18:41:04	18:58:21	273.2	19:27:12	12:23:19	5.807	1.828	1
09/18/2028	M*	06:07:16	06:36:10	87.0	06:51:11	12:46:43	18:42:19	18:56:29	272.7	19:25:19	12:20:19	6.162	1.441	0

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
09/19/2028	Tu*	06:08:27	06:37:19	87.6	06:49:14	12:46:22	18:43:34	18:54:38	272.1	19:23:26	12:17:18	6.516	1.053	3
09/20/2028	W*	06:09:37	06:38:28	88.1	06:47:17	12:46:00	18:44:50	18:52:46	271.6	19:21:33	12:14:18	6.870	0.664	8
09/21/2028	Th*	06:10:48	06:39:38	88.7	06:45:19	12:45:39	18:46:05	18:50:55	271.1	19:19:41	12:11:17	7.222	0.275	16
09/22/2028	F*	06:11:58	06:40:47	89.2		12:45:18		18:49:03	270.5	19:17:48	12:08:16	7.573	-0.114	25
09/23/2028	Sat*	06:13:09	06:41:57	89.8		12:44:57		18:47:12	270.0	19:15:56	12:05:15	7.922	-0.503	35
09/24/2028	Sun*	06:14:19	06:43:07	90.3		12:44:36		18:45:21	269.4	19:14:04	12:02:14	8.268	-0.892	46
09/25/2028	M*	06:15:30	06:44:16	90.8		12:44:16		18:43:30	268.9	19:12:13	11:59:13	8.613	-1.282	56
09/26/2028	Tu*	06:16:40	06:45:26	91.4		12:43:55		18:41:39	268.4	19:10:22	11:56:13	8.954	-1.671	66
09/27/2028	W*	06:17:50	06:46:37	91.9		12:43:35		18:39:49	267.8	19:08:31	11:53:12	9.292	-2.060	75
09/28/2028	Th*	06:19:01	06:47:47	92.5		12:43:15		18:37:58	267.3	19:06:41	11:50:11	9.627	-2.448	82
09/29/2028	F*	06:20:11	06:48:58	93.0		12:42:55		18:36:08	266.7	19:04:51	11:47:11	9.957	-2.837	89
09/30/2028	Sat*	06:21:22	06:50:08	93.5		12:42:36		18:34:19	266.2	19:03:01	11:44:10	10.284	-3.224	94
10/01/2028	Sun*	06:22:33	06:51:19	94.1		12:42:16		18:32:29	265.7	19:01:13	11:41:10	10.605	-3.612	98
10/02/2028	M*	06:23:43	06:52:30	94.6		12:41:57		18:30:40	265.1	18:59:24	11:38:10	10.922	-3.998	100
10/03/2028	Tu*	06:24:54	06:53:42	95.2		12:41:39		18:28:52	264.6	18:57:36	11:35:10	11.233	-4.384	100
10/04/2028	W*	06:26:05	06:54:54	95.7		12:41:20		18:27:04	264.0	18:55:49	11:32:10	11.539	-4.769	98
10/05/2028	Th*	06:27:16	06:56:06	96.2		12:41:02		18:25:16	263.5	18:54:03	11:29:10	11.838	-5.152	94
10/06/2028	F*	06:28:27	06:57:18	96.8		12:40:45		18:23:29	263.0	18:52:17	11:26:11	12.131	-5.535	89
10/07/2028	Sat*	06:29:38	06:58:30	97.3		12:40:28		18:21:42	262.4	18:50:31	11:23:12	12.416	-5.917	82
10/08/2028	Sun*	06:30:50	06:59:43	97.8		12:40:11		18:19:56	261.9	18:48:47	11:20:13	12.695	-6.297	74
10/09/2028	M*	06:32:01	07:00:56	98.4		12:39:55		18:18:11	261.4	18:47:03	11:17:15	12.965	-6.676	65
10/10/2028	Tu*	06:33:13	07:02:10	98.9		12:39:39		18:16:26	260.9	18:45:20	11:14:17	13.228	-7.054	54
10/11/2028	W*	06:34:25	07:03:24	99.4		12:39:24		18:14:42	260.3	18:43:38	11:11:19	13.482	-7.430	43
10/12/2028	Th*	06:35:37	07:04:38	100.0		12:39:09		18:12:59	259.8	18:41:57	11:08:21	13.727	-7.804	32
10/13/2028	F*	06:36:50	07:05:52	100.5		12:38:55		18:11:16	259.3	18:40:17	11:05:24	13.964	-8.177	22
10/14/2028	Sat*	06:38:02	07:07:07	101.0		12:38:41		18:09:35	258.8	18:38:37	11:02:28	14.191	-8.548	13
10/15/2028	Sun*	06:39:15	07:08:22	101.5		12:38:28		18:07:54	258.2	18:36:59	10:59:32	14.408	-8.917	6
10/16/2028	M*	06:40:28	07:09:37	102.0		12:38:16		18:06:14	257.7	18:35:21	10:56:36	14.616	-9.283	2
10/17/2028	Tu*	06:41:41	07:10:53	102.5		12:38:04		18:04:35	257.2	18:33:45	10:53:41	14.813	-9.648	0
10/18/2028	W*	06:42:54	07:12:09	103.1		12:37:53		18:02:56	256.7	18:32:09	10:50:47	15.001	-10.010	2
10/19/2028	Th*	06:44:08	07:13:26	103.6		12:37:42		18:01:19	256.2	18:30:35	10:47:53	15.177	-10.369	6
10/20/2028	F*	06:45:21	07:14:42	104.1		12:37:32		17:59:43	255.7	18:29:02	10:45:00	15.344	-10.727	12
10/21/2028	Sat*	06:46:35	07:15:59	104.6		12:37:23		17:58:07	255.2	18:27:30	10:42:08	15.499	-11.081	20
10/22/2028	Sun*	06:47:49	07:17:17	105.1		12:37:14		17:56:33	254.7	18:25:59	10:39:17	15.644	-11.433	30
10/23/2028	M*	06:49:03	07:18:34	105.6		12:37:06		17:55:00	254.2	18:24:29	10:36:26	15.777	-11.781	39
10/24/2028	Tu*	06:50:17	07:19:52	106.1		12:36:59		17:53:28	253.7	18:23:01	10:33:36	15.899	-12.127	49
10/25/2028	W*	06:51:32	07:21:10	106.5		12:36:52		17:51:57	253.2	18:21:34	10:30:47	16.009	-12.470	59
10/26/2028	Th*	06:52:46	07:22:28	107.0		12:36:46		17:50:28	252.8	18:20:08	10:27:59	16.107	-12.809	68
10/27/2028	F*	06:54:01	07:23:47	107.5		12:36:41		17:48:59	252.3	18:18:43	10:25:13	16.193	-13.145	77
10/28/2028	Sat*	06:55:15	07:25:05	108.0		12:36:37		17:47:32	251.8	18:17:20	10:22:27	16.267	-13.478	84
10/29/2028	Sun*	06:56:30	07:26:24	108.4		12:36:33		17:46:06	251.4	18:15:59	10:19:42	16.328	-13.807	90
10/30/2028	M*	06:57:45	07:27:43	108.9		12:36:30		17:44:42	250.9	18:14:38	10:16:59	16.376	-14.132	95
10/31/2028	Tu*	06:59:00	07:29:02	109.4		12:36:28		17:43:19	250.4	18:13:20	10:14:16	16.412	-14.454	98
11/01/2028	W*	07:00:15	07:30:22	109.8		12:36:27		17:41:57	250.0	18:12:02	10:11:35	16.434	-14.772	100
11/02/2028	Th*	07:01:30	07:31:41	110.3		12:36:26		17:40:37	249.5	18:10:47	10:08:56	16.443	-15.086	99
11/03/2028	F*	07:02:45	07:33:01	110.7		12:36:26		17:39:19	249.1	18:09:33	10:06:18	16.438	-15.395	97
11/04/2028	Sat*	07:04:00	07:34:21	111.2		12:36:27		17:38:02	248.6	18:08:20	10:03:41	16.419	-15.701	93
11/05/2028	Sun	06:05:16	06:35:40	111.6		11:36:29		16:36:46	248.2	17:07:10	10:01:06	16.387	-16.002	86
11/06/2028	M	06:06:31	06:37:00	112.0		11:36:32		16:35:32	247.8	17:06:01	09:58:32	16.340	-16.299	78
11/07/2028	Tu	06:07:46	06:38:20	112.5		11:36:36		16:34:20	247.4	17:04:53	09:56:00	16.279	-16.591	69
11/08/2028	W	06:09:01	06:39:40	112.9		11:36:40		16:33:10	247.0	17:03:48	09:53:30	16.204	-16.879	58
11/09/2028	Th	06:10:16	06:41:00	113.3		11:36:46		16:32:01	246.5	17:02:44	09:51:02	16.114	-17.162	47
11/10/2028	F	06:11:31	06:42:19	113.7		11:36:52		16:30:55	246.1	17:01:42	09:48:35	16.010	-17.440	36
11/11/2028	Sat	06:12:45	06:43:39	114.1		11:36:59		16:29:50	245.8	17:00:43	09:46:11	15.891	-17.713	25
11/12/2028	Sun	06:14:00	06:44:58	114.5		11:37:07		16:28:47	245.4	16:59:45	09:43:49	15.758	-17.981	16

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

Date	DoW	Begin Civil Twilight	Sunrise	Azimuth	Sun East	Local Noon	Sun West	Sunset	Azimuth	End Civil Twilight	Length of Day	Noon Eqn Time (min.)	Noon sun declination (deg.)	9 PM Lunar Illum. (pct.)
11/13/2028	M	06:15:14	06:46:18	114.9		11:37:16		16:27:46	245.0	16:58:49	09:41:28	15.611	-18.244	8
11/14/2028	Tu	06:16:28	06:47:37	115.2		11:37:26		16:26:47	244.6	16:57:55	09:39:10	15.449	-18.501	3
11/15/2028	W	06:17:42	06:48:55	115.6		11:37:36		16:25:50	244.2	16:57:03	09:36:55	15.272	-18.753	0
11/16/2028	Th	06:18:56	06:50:14	116.0		11:37:48		16:24:55	243.9	16:56:13	09:34:41	15.082	-19.000	1
11/17/2028	F	06:20:09	06:51:32	116.3		11:38:00		16:24:02	243.5	16:55:25	09:32:30	14.878	-19.241	3
11/18/2028	Sat	06:21:21	06:52:49	116.7		11:38:13		16:23:11	243.2	16:54:39	09:30:22	14.660	-19.476	9
11/19/2028	Sun	06:22:33	06:54:06	117.0		11:38:27		16:22:23	242.9	16:53:55	09:28:16	14.428	-19.705	15
11/20/2028	M	06:23:45	06:55:23	117.3		11:38:42		16:21:36	242.5	16:53:14	09:26:14	14.184	-19.928	24
11/21/2028	Tu	06:24:56	06:56:39	117.7		11:38:57		16:20:52	242.2	16:52:34	09:24:14	13.926	-20.145	33
11/22/2028	W	06:26:06	06:57:54	118.0		11:39:13		16:20:10	241.9	16:51:57	09:22:16	13.655	-20.356	42
11/23/2028	Th	06:27:16	06:59:08	118.3		11:39:30		16:19:30	241.6	16:51:22	09:20:22	13.371	-20.561	52
11/24/2028	F	06:28:25	07:00:22	118.6		11:39:48		16:18:53	241.3	16:50:49	09:18:31	13.075	-20.759	61
11/25/2028	Sat	06:29:33	07:01:34	118.9		11:40:07		16:18:18	241.0	16:50:19	09:16:43	12.767	-20.951	70
11/26/2028	Sun	06:30:41	07:02:46	119.1		11:40:26		16:17:45	240.7	16:49:51	09:14:59	12.447	-21.137	78
11/27/2028	M	06:31:47	07:03:57	119.4		11:40:46		16:17:15	240.5	16:49:25	09:13:18	12.115	-21.315	85
11/28/2028	Tu	06:32:53	07:05:07	119.7		11:41:06		16:16:47	240.2	16:49:01	09:11:40	11.771	-21.487	92
11/29/2028	W	06:33:57	07:06:16	119.9		11:41:28		16:16:22	240.0	16:48:40	09:10:06	11.417	-21.653	96
11/30/2028	Th	06:35:01	07:07:23	120.2		11:41:49		16:15:59	239.8	16:48:21	09:08:35	11.051	-21.811	99
12/01/2028	F	06:36:03	07:08:30	120.4		11:42:12		16:15:38	239.5	16:48:04	09:07:08	10.675	-21.962	100
12/02/2028	Sat	06:37:05	07:09:35	120.6		11:42:35		16:15:20	239.3	16:47:50	09:05:45	10.288	-22.107	99
12/03/2028	Sun	06:38:05	07:10:39	120.8		11:42:59		16:15:05	239.1	16:47:38	09:04:26	9.891	-22.244	95
12/04/2028	M	06:39:04	07:11:41	121.0		11:43:23		16:14:52	238.9	16:47:29	09:03:10	9.485	-22.374	90
12/05/2028	Tu	06:40:02	07:12:43	121.2		11:43:48		16:14:41	238.7	16:47:22	09:01:59	9.069	-22.497	82
12/06/2028	W	06:40:58	07:13:42	121.4		11:44:14		16:14:33	238.6	16:47:17	09:00:51	8.644	-22.613	73
12/07/2028	Th	06:41:53	07:14:40	121.5		11:44:40		16:14:28	238.4	16:47:15	08:59:48	8.210	-22.721	62
12/08/2028	F	06:42:47	07:15:37	121.7		11:45:06		16:14:26	238.3	16:47:15	08:58:49	7.769	-22.822	51
12/09/2028	Sat	06:43:39	07:16:31	121.8		11:45:33		16:14:26	238.1	16:47:18	08:57:54	7.319	-22.915	40
12/10/2028	Sun	06:44:30	07:17:24	122.0		11:46:01		16:14:28	238.0	16:47:23	08:57:04	6.863	-23.001	29
12/11/2028	M	06:45:19	07:18:16	122.1		11:46:29		16:14:33	237.9	16:47:30	08:56:18	6.399	-23.079	19
12/12/2028	Tu	06:46:06	07:19:05	122.2		11:46:57		16:14:41	237.8	16:47:40	08:55:36	5.929	-23.149	11
12/13/2028	W	06:46:52	07:19:53	122.3		11:47:25		16:14:52	237.7	16:47:52	08:54:59	5.454	-23.212	5
12/14/2028	Th	06:47:36	07:20:38	122.4		11:47:54		16:15:05	237.6	16:48:07	08:54:26	4.973	-23.267	1
12/15/2028	F	06:48:18	07:21:22	122.5		11:48:23		16:15:20	237.5	16:48:24	08:53:58	4.489	-23.315	0
12/16/2028	Sat	06:48:58	07:22:03	122.5		11:48:53		16:15:38	237.5	16:48:43	08:53:35	4.000	-23.354	1
12/17/2028	Sun	06:49:37	07:22:42	122.6		11:49:22		16:15:58	237.4	16:49:04	08:53:16	3.508	-23.386	5
12/18/2028	M	06:50:13	07:23:20	122.6		11:49:52		16:16:21	237.4	16:49:28	08:53:02	3.014	-23.410	10
12/19/2028	Tu	06:50:48	07:23:55	122.6		11:50:21		16:16:47	237.4	16:49:54	08:52:52	2.518	-23.426	17
12/20/2028	W	06:51:20	07:24:27	122.6		11:50:51		16:17:15	237.3	16:50:22	08:52:47	2.021	-23.435	25
12/21/2028	Th	06:51:51	07:24:58	122.7		11:51:21		16:17:45	237.4	16:50:52	08:52:47	1.523	-23.435	34
12/22/2028	F	06:52:19	07:25:26	122.6		11:51:51		16:18:17	237.4	16:51:24	08:52:51	1.025	-23.428	43
12/23/2028	Sat	06:52:45	07:25:52	122.6		11:52:21		16:18:52	237.4	16:51:59	08:53:01	0.528	-23.412	53
12/24/2028	Sun	06:53:09	07:26:15	122.6		11:52:51		16:19:29	237.4	16:52:35	08:53:14	0.032	-23.389	62
12/25/2028	M	06:53:31	07:26:36	122.5		11:53:20		16:20:09	237.5	16:53:13	08:53:33	-0.463	-23.359	71
12/26/2028	Tu	06:53:51	07:26:54	122.5		11:53:50		16:20:50	237.5	16:53:54	08:53:56	-0.955	-23.320	79
12/27/2028	W	06:54:08	07:27:10	122.4		11:54:19		16:21:34	237.6	16:54:36	08:54:23	-1.445	-23.273	87
12/28/2028	Th	06:54:23	07:27:24	122.3		11:54:48		16:22:19	237.7	16:55:20	08:54:55	-1.931	-23.219	93
12/29/2028	F	06:54:36	07:27:35	122.2		11:55:17		16:23:07	237.8	16:56:06	08:55:32	-2.414	-23.157	97
12/30/2028	Sat	06:54:46	07:27:43	122.1		11:55:46		16:23:57	237.9	16:56:54	08:56:13	-2.892	-23.087	100
12/31/2028	Sun	06:54:55	07:27:49	122.0		11:56:14		16:24:48	238.0	16:57:43	08:56:59	-3.365	-23.010	100
01/01/2029	M	06:55:01	07:27:53	121.9		11:56:43		16:25:42	238.1	16:58:34	08:57:49	-3.834	-22.925	97
01/02/2029	Tu	06:55:04	07:27:54	121.8		11:57:10		16:26:37	238.3	16:59:27	08:58:44	-4.296	-22.832	92
01/03/2029	W	06:55:05	07:27:52	121.6		11:57:38		16:27:35	238.4	17:00:22	08:59:42	-4.753	-22.732	85
01/04/2029	Th	06:55:04	07:27:48	121.5		11:58:05		16:28:34	238.6	17:01:18	09:00:46	-5.203	-22.624	76
01/05/2029	F	06:55:01	07:27:41	121.3		11:58:31		16:29:34	238.8	17:02:15	09:01:53	-5.646	-22.509	66
01/06/2029	Sat	06:54:55	07:27:32	121.1		11:58:57		16:30:36	239.0	17:03:14	09:03:04	-6.082	-22.386	55

Journey Museum -103.218689, 44.08657, Time Zone = MST/MDT

		Begin Civil				Local							Noon			9 PM
Date	DoW	Twilight	Sunrise	Azimuth	Sun East	Noon	Sun West	Sunset	Azimuth	Twilight	Length of Day	Eqn Time (min.)	Noon sun declination (deg.)	Lunar Illum. (pct.)		
01/07/2029	Sun	06:54:47	07:27:21	120.9		11:59:23		16:31:40	239.2	17:04:14	09:04:20	-6.510	-22.256	43		

* Days when daylight time is in effect are marked with an asterisk.

eqn_time3.py ver 240812a gglib version 251027a delta-T data 12/26/2025