

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/30/19	Mon	06:53:17	-6.3	116	-39.2	73	18						20.5	148	1.6							
12/30/19	Mon	16:57:37	-6.3	244	28.9	200	22				17.9	219	-4.0							3.2	235	0.5
12/31/19	Tue	06:53:27	-6.3	116	-43.3	60	26							20.5	149	1.6						
12/31/19	Tue	16:58:25	-6.3	244	34.8	189	30				18.2	219	-4.0									
01/01/20	Wed	06:53:35	-6.3	116	-45.5	45	35							20.5	149	1.6						
01/01/20	Wed	16:59:15	-6.3	244	39.6	177	39				18.5	219	-4.0									
01/02/20	Thr	06:53:41	-6.3	116	-45.7	29	44							20.4	149	1.6						
01/02/20	Thr	17:00:06	-6.3	244	43.0	163	48				18.9	219	-4.0									
01/03/20	Fri	06:53:44	-6.3	116	-43.9	14	54							20.4	150	1.6						
01/03/20	Fri	17:00:59	-6.3	244	44.6	148	58				19.2	220	-4.0									
01/04/20	Sat	06:53:45	-6.3	116	-40.2	0	63							20.4	150	1.6						
01/04/20	Sat	17:01:54	-6.3	244	44.1	132	67				19.6	220	-4.0									
01/05/20	Sun	06:53:44	-6.3	116	-35.0	348	72							20.3	150	1.5						
01/05/20	Sun	17:02:50	-6.3	244	41.4	117	76				19.9	220	-4.0									
01/06/20	Mon	06:53:40	-6.3	116	-28.6	337	81							20.3	151	1.5						
01/06/20	Mon	17:03:48	-6.3	245	36.6	104	84				20.3	220	-4.0									
01/07/20	Tue	06:53:34	-6.3	115	-21.3	326	88							20.3	151	1.5						
01/07/20	Tue	17:04:47	-6.3	245	30.2	92	91				20.6	220	-4.0									
01/08/20	Wed	06:53:25	-6.3	115	-13.3	317	94							20.2	151	1.5						
01/08/20	Wed	17:05:47	-6.3	245	22.4	81	96				20.9	221	-4.0									
01/09/20	Thr	06:53:15	-6.3	115	-4.6	307	98							20.2	152	1.5						
01/09/20	Thr	17:06:49	-6.3	245	13.6	72	99				21.3	221	-4.0									
01/10/20	Fri	06:53:01	-6.3	115	4.3	298	100							20.1	152	1.5						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
01/22/20	Wed	06:47:26	-6.3	112	7.9	134	6							19.4	154	1.4	5.0	129	-1.9			
01/22/20	Wed	17:21:46	-6.3	249	-25.7	261	4				25.7	226	-4.1									
01/23/20	Thr	06:46:43	-6.3	111	0.8	125	2							19.4	154	1.4	5.3	129	-1.9			
01/23/20	Thr	17:23:01	-6.3	249	-16.6	253	1				26.0	226	-4.1									
01/24/20	Fri	06:45:59	-6.3	111	-6.9	115	0							19.3	154	1.4	5.6	130	-1.9			
01/24/20	Fri	17:24:16	-6.3	249	-7.3	247	0				26.3	227	-4.1									
01/25/20	Sat	06:45:12	-6.3	111	-13.6	105	1							19.2	154	1.4	6.0	130	-1.9			
01/25/20	Sat	17:25:32	-6.3	250	2.4	240	1				26.7	227	-4.1									
01/26/20	Sun	06:44:24	-6.3	110	-19.8	95	3							19.2	154	1.4	6.3	130	-1.9			
01/26/20	Sun	17:26:48	-6.3	250	11.4	234	4				27.0	228	-4.1									
01/27/20	Mon	06:43:33	-6.3	110	-25.3	85	7							19.1	154	1.4	6.6	131	-1.9			
01/27/20	Mon	17:28:05	-6.3	250	20.5	228	9	3.4	243	-1.0	27.3	228	-4.1									
01/28/20	Tue	06:42:41	-6.3	109	-29.8	73	12							19.0	154	1.4	6.9	131	-1.9			
01/28/20	Tue	17:29:21	-6.3	251	29.3	221	15	4.0	243	-1.0	27.6	229	-4.1									
01/29/20	Wed	06:41:46	-6.3	109	-33.2	61	19							19.0	155	1.4	7.2	131	-1.9			
01/29/20	Wed	17:30:39	-6.3	251	37.7	213	23	4.7	243	-1.0	27.9	229	-4.1									
01/30/20	Thr	06:40:50	-6.3	109	-35.3	48	27							18.9	155	1.4	7.4	132	-1.9			
01/30/20	Thr	17:31:56	-6.3	251	45.4	203	31	5.4	244	-1.0	28.2	230	-4.1									
01/31/20	Fri	06:39:51	-6.3	108	-35.9	34	36							18.8	155	1.4	7.7	132	-1.9			
01/31/20	Fri	17:33:14	-6.3	252	52.0	190	40	6.1	244	-1.0	28.5	231	-4.1									
02/01/20	Sat	06:38:51	-6.3	108	-35.1	20	45							18.8	155	1.4	8.0	133	-1.9			
02/01/20	Sat	17:34:32	-6.3	252	56.6	173	50	6.7	244	-1.0	28.8	231	-4.1									
02/02/20	Sun	06:37:49	-6.3	108	-32.8	7	55							18.7	155	1.4	8.3	133	-1.9			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
02/02/20	Sun	17:35:50	-6.3	253	58.3	152	59	7.4	245	-1.0	29.1	232	-4.1									
02/03/20	Mon	06:36:45	-6.3	107	-29.2	354	65							18.6	155	1.3	8.6	133	-1.9	3.3	124	0.6
02/03/20	Mon	17:37:08	-6.3	253	56.3	131	69	8.0	245	-1.0	29.4	232	-4.1									
02/04/20	Tue	06:35:39	-6.3	107	-24.4	342	74							18.6	155	1.3	8.8	134	-1.9	3.6	124	0.6
02/04/20	Tue	17:38:26	-6.3	254	50.8	113	78	8.5	245	-0.9	29.7	233	-4.1									
02/05/20	Wed	06:34:31	-6.3	106	-18.6	330	83							18.5	155	1.3	9.1	134	-1.9	4.0	124	0.6
02/05/20	Wed	17:39:45	-6.3	254	42.7	100	86	9.1	246	-0.9	30.0	233	-4.1									
02/06/20	Thr	06:33:22	-6.3	106	-12.0	318	90							18.5	155	1.3	9.3	134	-1.9	4.3	125	0.6
02/06/20	Thr	17:41:03	-6.3	254	32.9	89	93	9.6	246	-0.9	30.2	234	-4.1									
02/07/20	Fri	06:32:11	-6.3	105	-4.7	307	96							18.4	155	1.3	9.6	135	-1.9	4.7	125	0.6
02/07/20	Fri	17:42:22	-6.3	255	21.9	81	98	10.0	247	-0.8	30.5	235	-4.1									
02/08/20	Sat	06:30:59	-6.3	105	2.9	295	99							18.3	155	1.3	9.8	135	-1.9	5.0	126	0.6
02/08/20	Sat	17:43:40	-6.3	255	10.2	74	100	10.3	248	-0.8	30.8	235	-4.1									
02/09/20	Sun	06:29:45	-6.3	105	10.2	283	100							18.3	154	1.3	10.1	135	-1.9	5.3	126	0.6
02/09/20	Sun	17:44:59	-6.3	256	-1.5	68	99	10.5	248	-0.7	31.1	236	-4.2									
02/10/20	Mon	06:28:29	-6.3	104	17.0	270	98							18.2	154	1.3	10.3	136	-1.9	5.6	126	0.6
02/10/20	Mon	17:46:18	-6.3	256	-14.4	61	96	10.7	249	-0.6	31.3	236	-4.2									
02/11/20	Tue	06:27:12	-6.3	104	22.9	256	93							18.2	154	1.3	10.6	136	-1.9	6.0	127	0.6
02/11/20	Tue	17:47:36	-6.3	257	-26.4	55	89	10.7	250	-0.4	31.6	237	-4.2									
02/12/20	Wed	06:25:53	-6.3	103	27.4	241	85							18.1	154	1.3	10.8	136	-1.9	6.3	127	0.6
02/12/20	Wed	17:48:55	-6.3	257	-38.0	46	81	10.6	251	-0.3	31.8	238	-4.2									
02/13/20	Thr	06:24:33	-6.3	103	30.1	225	76							18.1	154	1.3	11.0	137	-1.9	6.6	128	0.6
02/13/20	Thr	17:50:13	-6.3	258	-48.5	36	71	10.3	252	-0.1	32.1	238	-4.2									
02/14/20	Fri	06:23:11	-6.3	102	30.7	209	65							18.0	154	1.3	11.2	137	-1.9	6.9	128	0.6

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
02/14/20	Fri	17:51:32	-6.3	258	-57.3	20	60	10.0	253	0.2	32.3	239	-4.2									
02/15/20	Sat	06:21:48	-6.3	102	29.5	194	54							17.9	154	1.2	11.5	137	-1.9	7.2	128	0.6
02/15/20	Sat	17:52:50	-6.3	258	-62.9	358	49	9.4	254	0.5	32.6	240	-4.2									
02/16/20	Sun	06:20:24	-6.3	101	26.6	179	43							17.9	154	1.2	11.7	138	-1.9	7.5	129	0.6
02/16/20	Sun	17:54:08	-6.3	259	-63.8	330	38	8.7	255	0.8	32.8	240	-4.2									
02/17/20	Mon	06:18:58	-6.3	101	22.5	166	33							17.8	154	1.2	11.9	138	-1.9	7.8	129	0.6
02/17/20	Mon	17:55:27	-6.3	259	-59.7	307	28	7.8	256	1.2	33.0	241	-4.2									
02/18/20	Tue	06:17:31	-6.3	100	17.6	153	24							17.8	154	1.2	12.1	138	-1.9	8.1	129	0.6
02/18/20	Tue	06:17:31			Mars 0.3																	
02/18/20	Tue	17:56:45	-6.3	260	-52.6	290	19	6.7	258	1.6	33.3	241	-4.2									
02/19/20	Wed	06:16:03	-6.3	100	12.2	142	15							17.7	154	1.2	12.3	139	-1.9	8.4	130	0.6
02/19/20	Wed	06:16:03			Jup 3.4																	
02/19/20	Wed	17:58:03	-6.3	260	-43.9	279	12	5.5	259	2.1	33.5	242	-4.2									
02/20/20	Thr	06:14:34	-6.3	99	6.5	131	9							17.7	153	1.2	12.5	139	-1.9	8.7	130	0.6
02/20/20	Thr	06:14:34			Sat 2.5																	
02/20/20	Thr	17:59:21	-6.3	261	-34.5	272	6	4.2	260	2.7	33.7	243	-4.2									
02/21/20	Fri	06:13:03	-6.3	99	1.0	121	4							17.7	153	1.2	12.7	139	-1.9	9.0	131	0.6
02/21/20	Fri	18:00:39	-6.3	261	-24.7	266	2				33.9	243	-4.2									
02/22/20	Sat	06:11:31	-6.3	98	-5.1	111	1							17.6	153	1.2	13.0	140	-1.9	9.3	131	0.7
02/22/20	Sat	18:01:56	-6.3	262	-14.8	261	0				34.1	244	-4.2									
02/23/20	Sun	06:09:59	-6.3	98	-10.5	101	0							17.6	153	1.2	13.2	140	-1.9	9.6	131	0.7
02/23/20	Sun	18:03:14	-6.3	262	-4.7	257	0				34.3	245	-4.2									
02/24/20	Mon	06:08:25	-6.3	97	-15.5	90	1							17.5	153	1.2	13.4	140	-1.9	9.8	132	0.7
02/24/20	Mon	18:04:31	-6.3	263	5.4	253	2				34.5	245	-4.3									

For observations near Journey Museum. All dates and times in MST.

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
02/25/20	Tue	06:06:50	-6.3	97	-19.9	79	3							17.5	153	1.2	13.5	140	-2.0	10.1	132	0.7
02/25/20	Tue	18:05:49	-6.3	264	15.2	249	5				34.7	246	-4.3									
02/26/20	Wed	06:05:14	-6.3	96	-23.6	68	8							17.5	153	1.1	13.7	141	-2.0	10.4	132	0.7
02/26/20	Wed	18:07:06	-6.3	264	25.1	244	10				34.9	247	-4.3									
02/27/20	Thr	06:03:37	-6.3	96	-26.4	56	13							17.4	152	1.1	13.9	141	-2.0	10.6	133	0.7
02/27/20	Thr	18:08:23	-6.3	265	34.8	239	17				35.1	247	-4.3									
02/28/20	Fri	06:01:59	-6.3	95	-28.3	43	20							17.4	152	1.1	14.1	141	-2.0	10.9	133	0.7
02/28/20	Fri	18:09:39	-6.3	265	44.3	232	24				35.2	248	-4.3									
02/29/20	Sat	06:00:20	-6.3	95	-29.1	31	28							17.3	152	1.1	14.3	142	-2.0	11.2	133	0.7
02/29/20	Sat	18:10:56	-6.3	266	53.3	223	33				35.4	249	-4.3									
03/01/20	Sun	05:58:40	-6.3	94	-28.7	17	37							17.3	152	1.1	14.5	142	-2.0	11.4	134	0.7
03/01/20	Sun	18:12:13	-6.3	266	61.1	208	42				35.6	249	-4.3									
03/02/20	Mon	05:57:00	-6.3	94	-27.1	4	47							17.3	152	1.1	14.7	142	-2.0	11.7	134	0.7
03/02/20	Mon	18:13:29	-6.3	267	66.4	185	52				35.7	250	-4.3									
03/03/20	Tue	05:55:18	-6.3	93	-24.4	351	57							17.3	152	1.1	14.9	143	-2.0	11.9	135	0.7
03/03/20	Tue	18:14:45	-6.3	267	66.7	155	63				35.9	251	-4.3									
03/04/20	Wed	05:53:36	-6.3	93	-20.6	338	67							17.2	151	1.1	15.0	143	-2.0	12.2	135	0.7
03/04/20	Wed	18:16:01	-6.3	268	61.3	129	72				36.0	251	-4.3									
03/05/20	Thr	05:51:53	-6.3	92	-15.9	326	77							17.2	151	1.1	15.2	143	-2.0	12.4	135	0.7
03/05/20	Thr	18:17:17	-6.3	268	52.2	113	82				36.2	252	-4.3									
03/06/20	Fri	05:50:09	-6.3	91	-10.4	313	86	3.2	107	1.7				17.2	151	1.1	15.4	143	-2.0	12.6	136	0.7
03/06/20	Fri	18:18:33	-6.3	269	41.2	102	90				36.3	252	-4.3									
03/07/20	Sat	05:48:25	-6.3	91	-4.1	301	93	3.5	107	1.4				17.2	151	1.0	15.6	144	-2.0	12.9	136	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
03/07/20	Sat	18:19:48	-6.3	269	28.9	95	96				36.4	253	-4.3									
03/08/20	Sun	05:46:40	-6.3	90	2.4	288	98	3.8	108	1.2				17.1	151	1.0	15.8	144	-2.0	13.1	136	0.7
03/08/20	Sun	18:21:04	-6.3	270	16.0	89	99				36.6	254	-4.4									
03/09/20	Mon	05:44:54	-6.3	90	8.5	275	100	3.9	109	1.1				17.1	150	1.0	15.9	144	-2.0	13.4	137	0.7
03/09/20	Mon	18:22:19	-6.3	270	2.9	84	100				36.7	254	-4.4									
03/10/20	Tue	05:43:08	-6.3	89	14.2	261	99	4.1	109	0.9				17.1	150	1.0	16.1	145	-2.0	13.6	137	0.7
03/10/20	Tue	18:23:35	-6.3	271	-10.7	80	97				36.8	255	-4.4									
03/11/20	Wed	05:41:21	-6.3	89	19.0	246	95	4.2	109	0.8				17.1	150	1.0	16.3	145	-2.0	13.8	137	0.7
03/11/20	Wed	05:41:21												Jup 4.8								
03/11/20	Wed	18:24:50	-6.3	272	-23.6	75	92				36.9	256	-4.4									
03/12/20	Thr	05:39:33	-6.3	88	22.6	231	88	4.3	110	0.7				17.1	150	1.0	16.4	145	-2.0	14.1	138	0.7
03/12/20	Thr	05:39:33												Jup 4.3								
03/12/20	Thr	18:26:05	-6.3	272	-36.1	69	84				37.0	256	-4.4									
03/13/20	Fri	05:37:46	-6.3	88	24.6	215	80	4.3	110	0.6				17.1	150	1.0	16.6	146	-2.0	14.3	138	0.7
03/13/20	Fri	05:37:46												Jup 3.8								
03/13/20	Fri	18:27:21	-6.3	273	-47.8	61	75				37.1	257	-4.4									
03/14/20	Sat	05:35:57	-6.3	87	25.1	200	70	4.3	110	0.5				17.1	149	1.0	16.8	146	-2.0	14.5	138	0.7
03/14/20	Sat	05:35:57												Jup 3.3								
03/14/20	Sat	18:28:36	-6.3	273	-58.2	48	64				37.1	257	-4.4									
03/15/20	Sun	05:34:08	-6.3	87	24.1	186	59	4.3	110	0.5				17.1	149	1.0	16.9	146	-2.0	14.7	139	0.7
03/15/20	Sun	05:34:08												Jup 2.7								
03/15/20	Sun	18:29:51	-6.3	274	-66.2	28	54				37.2	258	-4.4									
03/16/20	Mon	05:32:19	-6.3	86	21.8	172	49	4.3	110	0.4				17.1	149	1.0	17.1	147	-2.0	15.0	139	0.7
03/16/20	Mon	05:32:19												Jup 2.2								
03/16/20	Mon	18:31:06	-6.3	274	-69.6	358	43				37.3	259	-4.4									
03/17/20	Tue	05:30:30	-6.3	85	18.6	159	39	4.2	110	0.4				17.1	149	0.9	17.3	147	-2.1	15.2	140	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
04/25/20	Sat	04:19:57	-6.3	64	-18.6	40	5							18.9	139	0.5	23.0	162	-2.3	22.6	156	0.6
04/25/20	Sat	19:22:27	-6.3	296	21.1	277	8				31.3	279	-4.7									
04/26/20	Sun	04:18:19	-6.3	64	-20.8	28	10							19.0	139	0.5	23.1	162	-2.3	22.8	157	0.6
04/26/20	Sun	19:23:46	-6.3	296	31.1	271	15				30.9	280	-4.7									
04/27/20	Mon	04:16:41	-6.3	64	-22.3	15	17							19.2	139	0.5	23.2	163	-2.3	22.9	157	0.6
04/27/20	Mon	19:25:06	-6.3	297	40.8	264	22				30.4	280	-4.7									
04/28/20	Tue	04:15:04	-6.3	63	-22.9	2	26							19.3	139	0.4	23.3	163	-2.3	23.1	158	0.6
04/28/20	Tue	04:15:04																		Sat 5.0		
04/28/20	Tue	19:26:25	-6.3	297	49.9	253	32				29.9	281	-4.7									
04/29/20	Wed	04:13:29	-6.3	63	-22.5	349	35							19.4	139	0.4	23.4	164	-2.3	23.3	158	0.6
04/29/20	Wed	04:13:29																			Sat 5.0	
04/29/20	Wed	19:27:44	-6.3	298	57.6	237	42				29.3	282	-4.7									
04/30/20	Thr	04:11:55	-6.3	62	-21.2	335	46							19.5	138	0.4	23.5	164	-2.3	23.4	159	0.6
04/30/20	Thr	04:11:55																			Sat 4.9	
04/30/20	Thr	19:29:03	-6.3	298	62.1	213	53				28.8	282	-4.7									
05/01/20	Fri	04:10:21	-6.3	62	-18.9	321	57							19.7	138	0.4	23.7	165	-2.4	23.6	160	0.6
05/01/20	Fri	04:10:21																			Sat 4.9	
05/01/20	Fri	19:30:23	-6.3	299	61.5	186	64				28.2	283	-4.7									
05/02/20	Sat	04:08:49	-6.3	61	-15.6	308	68							19.8	138	0.4	23.8	165	-2.4	23.7	160	0.6
05/02/20	Sat	04:08:49																			Sat 4.9	
05/02/20	Sat	19:31:41	-6.3	299	55.7	163	75				27.5	283	-4.7									
05/03/20	Sun	04:07:18	-6.3	61	-11.5	294	78							19.9	138	0.4	23.9	166	-2.4	23.8	161	0.6
05/03/20	Sun	04:07:18																			Sat 4.9	
05/03/20	Sun	19:33:00	-6.3	300	46.5	147	84				26.9	284	-4.7									
05/04/20	Mon	04:05:49	-6.3	60	-6.8	281	87							20.1	138	0.4	24.0	167	-2.4	24.0	161	0.6
05/04/20	Mon	04:05:49																			Sat 4.8	

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
05/04/20	Mon	19:34:18	-6.3	300	35.5	136	92				26.2	284	-4.7									
05/05/20	Tue	04:04:21	-6.3	60	-1.1	267	94							20.2	138	0.4	24.1	167	-2.4	24.1	162	0.6
05/05/20	Tue	04:04:21															Sat 4.8					
05/05/20	Tue	19:35:37	-6.3	300	23.6	127	97				25.5	285	-4.7									
05/06/20	Wed	04:02:54	-6.3	59	3.7	254	98							20.4	137	0.3	24.2	168	-2.4	24.3	162	0.6
05/06/20	Wed	04:02:54															Sat 4.8					
05/06/20	Wed	19:36:55	-6.3	301	11.4	120	100				24.8	286	-4.7									
05/07/20	Thr	04:01:28	-6.3	59	8.6	240	100							20.6	137	0.3	24.3	168	-2.4	24.4	163	0.6
05/07/20	Thr	04:01:28															Sat 4.8					
05/07/20	Thr	19:38:12	-6.3	301	-0.3	114	99				24.0	286	-4.7									
05/08/20	Fri	04:00:04	-6.3	59	13.0	226	98							20.7	137	0.3	24.3	169	-2.4	24.5	164	0.5
05/08/20	Fri	04:00:04															Sat 4.8					
05/08/20	Fri	19:39:30	-6.3	302	-12.8	107	96				23.3	287	-4.7									
05/09/20	Sat	03:58:41	-6.3	58	16.6	213	94							20.9	137	0.3	24.4	170	-2.4	24.6	164	0.5
05/09/20	Sat	03:58:41															Sat 4.8					
05/09/20	Sat	19:40:47	-6.3	302	-23.9	100	90				22.4	287	-4.7									
05/10/20	Sun	03:57:20	-6.3	58	19.3	199	88							21.1	137	0.3	24.5	170	-2.4	24.8	165	0.5
05/10/20	Sun	03:57:20															Sat 4.7					
05/10/20	Sun	19:42:03	-6.3	303	-34.2	92	83				21.6	288	-4.7									
05/11/20	Mon	03:56:01	-6.3	57	20.9	185	80							21.2	137	0.3	24.6	171	-2.4	24.9	166	0.5
05/11/20	Mon	03:56:01															Sat 4.7					
05/11/20	Mon	19:43:19	-6.3	303	-43.3	82	74				20.7	289	-4.6									
05/12/20	Tue	03:54:43	-6.3	57	21.5	171	71							21.4	137	0.3	24.6	172	-2.4	25.0	166	0.5
05/12/20	Tue	03:54:43			Jup 3.1												Sat 4.7					
05/12/20	Tue	19:44:35	-6.3	303	-50.8	69	65				19.8	289	-4.6									
05/13/20	Wed	03:53:27	-6.3	57	21.2	158	61							21.6	136	0.2	24.7	172	-2.4	25.1	167	0.5

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
05/13/20	Wed	03:53:27																Sat 4.7				
05/13/20	Wed	19:45:50	-6.3	304	-56.0	53	55	3.6	298	-1.3	18.9	290	-4.6									
05/14/20	Thr	03:52:12	-6.3	56	19.9	145	51							21.8	136	0.2	24.8	173	-2.4	25.2	168	0.5
05/14/20	Thr	03:52:12																Sat 4.7				
05/14/20	Thr	19:47:05	-6.3	304	-58.3	33	45	4.4	298	-1.2	17.9	291	-4.6									
05/15/20	Fri	03:50:59	-6.3	56	17.9	133	42							22.0	136	0.2	24.8	174	-2.5	25.3	168	0.5
05/15/20	Fri	03:50:59			Mars 4.9													Sat 4.7				
05/15/20	Fri	19:48:19	-6.3	304	-57.2	13	36	5.3	298	-1.1	16.9	292	-4.5									
05/16/20	Sat	03:49:48	-6.3	55	15.2	122	32							22.2	136	0.2	24.9	174	-2.5	25.4	169	0.5
05/16/20	Sat	03:49:48																Sat 4.7				
05/16/20	Sat	19:49:32	-6.3	305	-53.2	356	27	6.1	298	-1.0	15.8	293	-4.5									
05/17/20	Sun	03:48:39	-6.3	55	12.1	111	24							22.4	136	0.2	24.9	175	-2.5	25.5	170	0.5
05/17/20	Sun	03:48:39																Sat 4.7				
05/17/20	Sun	19:50:44	-6.3	305	-47.3	342	19	6.8	297	-1.0	14.8	293	-4.5									
05/17/20	Sun	23:49:20	-26	0	-32.0	57	18										3.0	123	-2.5			
05/18/20	Mon	03:47:32	-6.3	55	8.6	100	16							22.6	136	0.2	25.0	176	-2.5	25.6	171	0.5
05/18/20	Mon	03:47:32																Sat 4.7				
05/18/20	Mon	19:51:56	-6.3	306	-40.0	331	12	7.5	297	-0.9	13.7	294	-4.5									
05/18/20	Mon	23:49:23	-26	360	-33.4	44	11										3.6	124	-2.5			
05/19/20	Tue	03:46:27	-6.3	54	4.7	89	10							22.9	136	0.2	25.0	177	-2.5	25.6	171	0.5
05/19/20	Tue	03:46:27																Sat 4.7				
05/19/20	Tue	19:53:07	-6.3	306	-31.9	323	7	8.2	297	-0.8	12.6	295	-4.4									
05/19/20	Tue	19:53:07						Ven 4.8														
05/19/20	Tue	23:49:26	-26	0	-33.5	31	6										4.2	124	-2.5			
05/20/20	Wed	03:45:23	-6.3	54	0.9	79	5							23.1	136	0.1	25.0	177	-2.5	25.7	172	0.5
05/20/20	Wed	03:45:23																Sat 4.7				
05/20/20	Wed	19:54:17	-6.3	306	-23.3	315	3	8.8	297	-0.7	11.4	296	-4.4									

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
05/26/20	Tue	03:39:46	-6.3	52	-22.3	10	14							24.6	136	0.1	25.0	182	-2.5	26.0	177	0.5
05/26/20	Tue	03:39:46															Sat 4.7					
05/26/20	Tue	20:00:55	-6.3	308	31.7	272	19	11.2	295	-0.3	4.2	302	-4.0									
05/26/20	Tue	23:50:05	-25	360	-5.5	308	21										8.2	130	-2.5	6.2	125	0.4
05/26/20	Tue	23:50:05															Sat 4.7					
05/27/20	Wed	03:38:57	-6.3	52	-24.3	357	22							24.8	136	0.0	24.9	183	-2.5	26.0	178	0.4
05/27/20	Wed	03:38:57															Sat 4.8					
05/27/20	Wed	20:01:57	-6.3	308	39.5	260	28	11.4	295	-0.2												
05/27/20	Wed	23:50:13	-24	0	1.0	297	30										8.8	131	-2.5	6.8	126	0.4
05/27/20	Wed	23:50:13															Sat 4.8					
05/28/20	Thr	03:38:11	-6.3	52	-25.3	343	32							25.1	136	0.0	24.9	184	-2.5	26.0	179	0.4
05/28/20	Thr	03:38:11															Sat 4.8					
05/28/20	Thr	20:02:58	-6.3	309	45.9	245	39	11.5	295	-0.1												
05/28/20	Thr	23:50:20	-24	360	6.7	286	40										9.3	131	-2.5	7.4	127	0.4
05/28/20	Thr	23:50:20															Sat 4.8					
05/29/20	Fri	03:37:27	-6.3	51	-25.1	329	42							25.4	136	0.0	24.8	185	-2.6	26.0	180	0.4
05/29/20	Fri	03:37:27															Sat 4.8					
05/29/20	Fri	20:03:57	-6.3	309	49.7	227	50	11.6	294	0.0												
05/29/20	Fri	23:50:29	-24	0	12.4	274	52										9.9	132	-2.6	8.0	128	0.4
05/29/20	Fri	23:50:29															Sat 4.8					
05/30/20	Sat	03:36:45	-6.3	51	-23.7	314	53							25.7	136	0.0	24.8	186	-2.6	26.0	180	0.4
05/30/20	Sat	03:36:45															Sat 4.8					
05/30/20	Sat	20:04:55	-6.3	309	50.1	206	61	11.7	294	0.1												
05/30/20	Sat	23:50:38	-24	0	17.5	261	63										10.4	133	-2.6	8.6	129	0.4
05/30/20	Sat	23:50:38															Sat 4.8					
05/31/20	Sun	03:36:06	-6.3	51	-21.0	300	65							26.0	136	0.0	24.7	186	-2.6	26.0	181	0.4
05/31/20	Sun	03:36:06															Sat 4.8					
05/31/20	Sun	20:05:51	-6.3	309	46.9	186	72	11.7	294	0.1												
05/31/20	Sun	23:50:47	-24	360	21.7	248	74										11.0	134	-2.6	9.2	129	0.4

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
06/06/20	Sat	23:51:48	-23	0	18.4	160	97									14.1	139	-2.6	12.5	135	0.4	
06/07/20	Sun	03:32:37	-6.3	50	15.0	210	97					28.2	136	-0.1	23.8	193	-2.6	25.6	188	0.4		
06/07/20	Sun	20:11:33	-6.3	311	-16.1	109	93	10.1	294	0.8												
06/07/20	Sun	23:52:00	-23	360	14.0	147	92								14.6	140	-2.6	13.0	135	0.4		
06/08/20	Mon	03:32:17	-6.3	49	19.4	197	91					28.6	137	-0.1	23.6	194	-2.6	25.5	189	0.4		
06/08/20	Mon	20:12:15	-6.3	311	-24.4	99	87	9.6	294	0.9												
06/08/20	Mon	23:52:11	-23	0	9.4	135	86								15.1	141	-2.6	13.6	136	0.4		
06/08/20	Mon	23:52:11			Sat 4.3																	
06/09/20	Tue	03:32:00	-6.3	49	23.0	185	85					28.9	137	-0.1	23.4	195	-2.6	25.3	190	0.4		
06/09/20	Tue	20:12:54	-6.3	311	-31.6	89	79	9.1	294	1.0												
06/09/20	Tue	23:52:23	-23	0	4.7	124	78								15.6	142	-2.6	14.1	137	0.4		
06/10/20	Wed	03:31:45	-6.3	49	25.5	172	77					29.3	137	-0.2	23.2	196	-2.6	25.2	191	0.4		
06/10/20	Wed	20:13:31	-6.3	311	-37.6	77	70	8.6	294	1.1												
06/10/20	Wed	23:52:36	-23	0	0.4	114	69								16.1	143	-2.6	14.6	138	0.4		
06/11/20	Thr	03:31:33	-6.3	49	26.9	159	68					29.6	137	-0.2	23.0	197	-2.6	25.0	192	0.4		
06/11/20	Thr	20:14:06	-6.3	311	-42.0	64	61	8.0	294	1.3												
06/11/20	Thr	23:52:48	-23	0	-4.5	103	60								16.5	144	-2.6	15.1	139	0.3		
06/12/20	Fri	03:31:23	-6.3	49	27.3	146	58					30.0	137	-0.2	22.7	198	-2.6	24.9	193	0.3		
06/12/20	Fri	20:14:39	-6.3	311	-44.6	49	51	7.3	295	1.4												
06/12/20	Fri	23:53:00	-23	360	-8.8	93	50								17.0	145	-2.6	15.6	140	0.3		
06/13/20	Sat	03:31:16	-6.3	49	26.5	133	48					30.4	138	-0.2	22.5	199	-2.6	24.7	194	0.3		
06/13/20	Sat	20:15:10	-6.3	311	-45.2	34	42	6.7	295	1.6												
06/13/20	Sat	23:53:13	-23	0	-12.6	83	40								17.4	146	-2.6	16.1	141	0.3		
06/14/20	Sun	03:31:11	-6.3	49	24.7	121	39					30.7	138	-0.2	22.2	200	-2.6	24.5	195	0.3		
06/14/20	Sun	20:15:38	-6.3	311	-43.7	19	33	5.9	295	1.7												
06/14/20	Sun	23:53:26	-23	0	-16.0	72	31								17.8	147	-2.7	16.6	142	0.3		
06/15/20	Mon	03:31:09	-6.3	49	22.0	110	30					31.1	138	-0.2	21.9	201	-2.7	24.3	196	0.3		

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
06/15/20	Mon	20:16:04	-6.3	311	-40.5	5	24	5.1	296	1.9												
06/15/20	Mon	23:53:39	-23	0	-18.9	61	23										18.3	148	-2.7	17.0	143	0.3
06/16/20	Tue	03:31:10	-6.3	49	18.5	99	22						31.5	138	-0.3		21.6	202	-2.7	24.1	197	0.3
06/16/20	Tue	20:16:28	-6.3	311	-35.8	353	16	4.3	296	2.1												
06/16/20	Tue	23:53:52	-23	360	-21.2	50	15										18.7	149	-2.7	17.5	144	0.3
06/17/20	Wed	03:31:13	-6.3	49	14.2	88	14				3.5	67	-4.4	31.9	139	-0.3	21.3	203	-2.7	23.8	198	0.3
06/17/20	Wed	20:16:49	-6.3	311	-30.0	342	10	3.5	297	2.3												
06/17/20	Wed	23:54:05	-23	360	-22.9	38	9										19.1	150	-2.7	17.9	145	0.3
06/18/20	Thr	03:31:19	-6.3	49	9.4	77	8				4.1	68	-4.4	32.3	139	-0.3	21.0	204	-2.7	23.6	199	0.3
06/18/20	Thr	23:54:18	-23	360	-23.8	25	4										19.4	151	-2.7	18.4	146	0.3
06/19/20	Fri	03:31:27	-6.3	49	4.0	67	4				4.8	69	-4.4	32.7	139	-0.3	20.6	205	-2.7	23.3	200	0.3
06/19/20	Fri	03:31:27			Ven 1.5																	
06/19/20	Fri	23:54:31	-23	0	-24.0	13	1										19.8	152	-2.7	18.8	147	0.3
06/20/20	Sat	03:31:38	-6.3	49	-1.4	57	1				5.5	70	-4.5	33.1	140	-0.3	20.2	206	-2.7	23.0	201	0.3
06/20/20	Sat	23:54:44	-23	360	-23.3	360	0										20.2	154	-2.7	19.2	148	0.3
06/21/20	Sun	03:31:51	-6.3	49	-8.1	47	0				6.2	70	-4.5	33.5	140	-0.3	19.8	207	-2.7	22.7	202	0.3
06/21/20	Sun	23:54:58	-23	360	-21.7	347	1										20.5	155	-2.7	19.6	149	0.3
06/22/20	Mon	03:32:07	-6.3	49	-14.2	36	2				6.8	71	-4.5	33.9	140	-0.4	19.4	208	-2.7	22.4	203	0.3
06/22/20	Mon	23:55:11	-23	360	-19.3	334	5										20.8	156	-2.7	20.0	150	0.3
06/23/20	Tue	03:32:25	-6.3	49	-20.0	25	5				7.5	72	-4.6	34.3	141	-0.4	19.0	210	-2.7	22.0	204	0.3
06/23/20	Tue	23:55:24	-23	360	-16.2	321	10										21.1	157	-2.7	20.4	151	0.3
06/24/20	Wed	03:32:45	-6.3	49	-25.3	12	11				8.1	73	-4.6	34.8	141	-0.4	18.5	211	-2.7	21.7	206	0.3
06/24/20	Wed	23:55:36	-23	0	-12.5	309	18										21.4	158	-2.7	20.8	152	0.3
06/25/20	Thr	03:33:08	-6.3	49	-29.8	359	19				8.8	74	-4.6	35.2	142	-0.4	18.1	212	-2.7	21.3	207	0.3

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/06/20	Mon	23:57:52	-23	360	19.5	152	95							7.1	98	-0.6	23.8	172	-2.7	24.1	165	0.2
07/07/20	Tue	03:40:29	-6.3	50	20.5	206	94				16.1	81	-4.7	40.4	148	-0.6	11.1	224	-2.7	15.5	220	0.2
07/07/20	Tue	23:58:01	-24	0	17.6	140	90							7.6	98	-0.6	23.9	173	-2.7	24.3	166	0.2
07/08/20	Wed	03:41:18	-6.3	50	26.8	195	89				16.7	82	-4.7	40.8	149	-0.6	10.4	225	-2.7	14.9	221	0.2
07/08/20	Wed	20:14:24	-6.3	310	-21.8	90	84										3.4	125	-2.7			
07/08/20	Wed	23:58:10	-24	0	15.1	128	83							8.1	98	-0.6	23.9	174	-2.7	24.4	167	0.2
07/09/20	Thr	03:42:09	-6.3	51	32.2	184	82				17.2	82	-4.7	41.3	150	-0.6	9.7	226	-2.7	14.3	222	0.2
07/09/20	Thr	20:13:49	-6.3	309	-26.5	78	76										3.9	126	-2.7			
07/09/20	Thr	23:58:18	-24	360	12.2	117	75							8.6	99	-0.7	24.0	175	-2.7	24.6	168	0.2
07/10/20	Fri	03:43:02	-6.3	51	36.4	171	73				17.7	83	-4.7	41.7	150	-0.7	9.0	227	-2.7	13.6	223	0.2
07/10/20	Fri	20:13:11	-6.3	309	-30.2	66	67										4.4	126	-2.7			
07/10/20	Fri	23:58:26	-24	360	8.9	106	66							9.1	99	-0.7	24.0	176	-2.7	24.7	169	0.2
07/11/20	Sat	03:43:56	-6.3	51	39.1	158	64				18.3	83	-4.7	42.1	151	-0.7	8.3	228	-2.7	13.0	224	0.2
07/11/20	Sat	20:12:32	-6.3	309	-32.6	54	58										5.0	127	-2.8			
07/11/20	Sat	23:58:34	-24	360	5.4	95	57							9.6	99	-0.7	24.1	178	-2.8	24.9	170	0.2
07/12/20	Sun	03:44:51	-6.3	51	40.3	143	55				18.8	83	-4.7	42.6	152	-0.7	7.6	230	-2.8	12.3	225	0.2
07/12/20	Sun	20:11:49	-6.3	309	-33.8	41	49										5.5	128	-2.8			
07/12/20	Sun	23:58:41	-24	0	1.9	85	47							10.1	99	-0.7	24.1	179	-2.8	25.0	171	0.1
07/13/20	Mon	03:45:48	-6.3	51	39.6	129	46				19.3	84	-4.7	43.0	153	-0.7	6.8	231	-2.8	11.7	226	0.1
07/13/20	Mon	20:11:05	-6.3	308	-33.6	27	39										6.0	128	-2.8			
07/13/20	Mon	23:58:47	-24	0	-1.7	75	38							10.5	100	-0.7	24.0	180	-2.8	25.1	173	0.1
07/14/20	Tue	03:46:47	-6.3	52	37.3	116	36	3.4	66	1.7	19.8	84	-4.7	43.4	154	-0.7	6.0	232	-2.8	11.0	227	0.1
07/14/20	Tue	20:10:18	-6.3	308	-32.1	14	30										6.5	129	-2.8	3.4	123	0.1
07/14/20	Tue	23:58:54	-25	360	-6.3	64	29							11.0	100	-0.8	24.0	181	-2.8	25.1	174	0.1
07/15/20	Wed	03:47:46	-6.3	52	33.3	103	27	4.2	67	1.5	20.3	85	-4.7	43.8	155	-0.8	5.3	233	-2.8	10.3	228	0.1
07/15/20	Wed	20:09:29	-6.3	308	-29.4	1	22										6.9	130	-2.8	3.9	124	0.1

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/15/20	Wed	23:58:59	-25	360	-10.2	54	20							11.5	100	-0.8	24.0	182	-2.8	25.2	175	0.1
07/16/20	Thr	03:48:48	-6.3	52	27.9	92	19	4.9	67	1.3	20.8	85	-4.7	44.2	155	-0.8	4.5	234	-2.8	9.5	229	0.1
07/16/20	Thr	20:08:37	-6.3	308	-25.5	349	14										7.4	130	-2.8	4.4	124	0.1
07/16/20	Thr	23:59:04	-25	0	-13.9	43	13							12.0	100	-0.8	23.9	183	-2.8	25.2	176	0.1
07/17/20	Fri	03:49:50	-6.3	52	21.4	81	12	5.5	68	1.0	21.3	85	-4.7	44.6	156	-0.8	3.7	234	-2.8	8.8	230	0.1
07/17/20	Fri	03:49:50			Ven 3.7																	
07/17/20	Fri	20:07:44	-6.3	307	-20.7	337	8										7.9	131	-2.7	4.9	125	0.1
07/17/20	Fri	23:59:09	-25	0	-17.5	31	7							12.5	100	-0.8	23.8	185	-2.7	25.3	177	0.1
07/18/20	Sat	03:50:53	-6.3	53	14.0	72	6	6.1	68	0.9	21.8	86	-4.7	45.0	157	-0.8				8.1	231	0.1
07/18/20	Sat	20:06:48	-6.3	307	-15.1	326	3										8.3	132	-2.7	5.3	125	0.1
07/18/20	Sat	23:59:13	-25	360	-20.6	19	2							13.0	101	-0.8	23.7	186	-2.7	25.3	178	0.1
07/19/20	Sun	03:51:58	-6.3	53	5.9	63	2	6.6	68	0.7	22.2	86	-4.6	45.4	158	-0.8				7.3	232	0.1
07/19/20	Sun	20:05:50	-6.3	307	-8.9	314	0										8.8	133	-2.7	5.8	126	0.1
07/19/20	Sun	23:59:17	-25	360	-23.0	5	0							13.5	101	-0.9	23.6	187	-2.7	25.3	179	0.1
07/20/20	Mon	03:53:03	-6.3	53	-2.5	54	0	7.1	68	0.5	22.7	86	-4.6	45.8	159	-0.9				6.6	233	0.1
07/20/20	Mon	20:04:50	-6.3	306	-1.7	303	0										9.2	133	-2.7	6.2	127	0.1
07/20/20	Mon	23:59:20	-26	0	-24.6	352	0							14.0	101	-0.9	23.5	188	-2.7	25.3	180	0.1
07/21/20	Tue	03:54:10	-6.3	54	-12.1	45	1	7.5	69	0.4	23.1	86	-4.6	46.1	160	-0.9				5.8	234	0.1
07/21/20	Tue	20:03:48	-6.3	306	4.6	292	3										9.6	134	-2.7	6.7	127	0.1
07/21/20	Tue	23:59:22	-26	360	-25.1	337	3							14.4	101	-0.9	23.3	189	-2.7	25.3	181	0.1
07/22/20	Wed	03:55:17	-6.3	54	-21.1	36	4	7.8	69	0.2	23.6	87	-4.6	46.5	161	-0.9				5.0	235	0.1
07/22/20	Wed	20:02:44	-6.3	306	10.9	280	7										10.0	135	-2.7	7.1	128	0.1
07/22/20	Wed	23:59:24	-26	360	-24.4	323	8							14.9	102	-0.9	23.2	190	-2.7	25.2	183	0.1
07/23/20	Thr	03:56:25	-6.3	54	-29.8	25	10	8.1	69	0.1	24.0	87	-4.6	46.8	162	-0.9				4.2	236	0.1
07/23/20	Thr	20:01:38	-6.3	305	16.8	267	15										10.5	135	-2.7	7.5	128	0.1
07/23/20	Thr	23:59:25	-26	0	-22.5	308	16							15.4	102	-0.9	23.0	191	-2.7	25.2	184	0.1
07/24/20	Fri	03:57:34	-6.3	55	-37.7	12	17	8.3	69	-0.1	24.4	87	-4.6	47.2	164	-0.9				3.4	237	0.1

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/01/20	Sat	23:59:08	-28	360	19.9	196	98						19.8	105	-1.1	20.9	201	-2.7	24.0	193	0.2	
08/01/20	Sat	23:59:08																			Jup 4.4	
08/02/20	Sun	04:08:22	-6.3	58	-8.1	244	98	6.9	67	-1.0	27.8	89	-4.5	49.6	175	-1.1						
08/02/20	Sun	19:48:58	-6.3	302	5.3	129	100										14.0	142	-2.7	11.4	134	0.2
08/02/20	Sun	23:59:03	-29	0	23.4	184	100						20.3	105	-1.1	20.6	202	-2.7	23.8	194	0.2	
08/03/20	Mon	04:09:36	-6.3	59	1.7	237	100	6.3	66	-1.0	28.1	89	-4.5	49.8	176	-1.1						
08/03/20	Mon	19:47:33	-6.3	301	0.1	118	100										14.4	142	-2.7	11.7	135	0.2
08/03/20	Mon	23:58:58	-29	0	25.9	171	99						20.8	105	-1.2	20.2	203	-2.7	23.6	195	0.2	
08/04/20	Tue	04:10:50	-6.3	59	10.8	230	99	5.8	66	-1.1	28.4	90	-4.5	50.0	177	-1.2						
08/04/20	Tue	19:46:07	-6.3	301	-5.8	107	98										14.7	143	-2.7	12.0	135	0.2
08/04/20	Tue	23:58:51	-29	0	27.4	158	97						21.3	106	-1.2	19.9	204	-2.7	23.4	196	0.2	
08/05/20	Wed	04:12:04	-6.3	59	19.9	223	97	5.2	66	-1.2	28.7	90	-4.5	50.1	179	-1.2						
08/05/20	Wed	19:44:39	-6.3	300	-10.9	96	94										15.0	144	-2.7	12.4	136	0.2
08/05/20	Wed	23:58:45	-29	360	27.7	145	93						21.8	106	-1.2	19.6	205	-2.7	23.2	197	0.2	
08/06/20	Thr	04:13:19	-6.3	60	28.6	215	92	4.5	65	-1.3	29.0	90	-4.5	50.3	180	-1.2						
08/06/20	Thr	19:43:10	-6.3	300	-15.4	85	88										15.2	144	-2.7	12.7	137	0.2
08/06/20	Thr	23:58:37	-30	360	26.8	132	87						22.3	106	-1.2	19.2	206	-2.7	22.9	198	0.2	
08/07/20	Fri	04:14:34	-6.3	60	36.7	206	86	3.8	65	-1.3	29.3	90	-4.5	50.4	182	-1.2						
08/07/20	Fri	19:41:39	-6.3	299	-19.3	74	82										15.5	145	-2.7	13.0	137	0.2
08/07/20	Fri	23:58:29	-30	360	24.9	120	80						22.8	107	-1.2	18.9	207	-2.7	22.7	199	0.2	
08/08/20	Sat	04:15:49	-6.3	61	44.0	196	79	3.0	65	-1.4	29.6	90	-4.5	50.5	183	-1.2						
08/08/20	Sat	19:40:08	-6.3	299	-22.5	63	74										15.8	146	-2.7	13.3	138	0.2
08/08/20	Sat	23:58:21	-30	0	22.1	108	72						23.3	107	-1.3	18.5	208	-2.7	22.4	200	0.2	
08/08/20	Sat	23:58:21																			Mars 1.6	
08/09/20	Sun	04:17:04	-6.3	61	50.0	182	71				29.8	91	-4.5	50.6	185	-1.3						
08/09/20	Sun	04:17:04																			Mars 1.6	
08/09/20	Sun	19:38:35	-6.3	299	-24.9	51	65										16.1	146	-2.7	13.6	138	0.2

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/09/20	Sun	23:58:12	-31	360	18.4	97	63							23.8	107	-1.3	18.1	209	-2.7	22.1	201	0.2
08/10/20	Mon	04:18:20	-6.3	62	54.0	166	62				30.1	91	-4.5	50.6	186	-1.3						
08/10/20	Mon	19:37:00	-6.3	298	-26.3	38	56										16.3	147	-2.7	13.9	139	0.2
08/10/20	Mon	23:58:02	-31	360	14.0	86	54							24.3	108	-1.3	17.8	210	-2.7	21.8	202	0.2
08/11/20	Tue	04:19:35	-6.3	62	55.3	147	52				30.3	91	-4.4	50.7	188	-1.3						
08/11/20	Tue	19:35:25	-6.3	298	-26.8	26	46										16.6	147	-2.7	14.2	139	0.2
08/11/20	Tue	23:57:52	-31	0	9.1	76	44							24.8	108	-1.3	17.4	211	-2.7	21.5	203	0.2
08/12/20	Wed	04:20:51	-6.3	62	53.5	129	43				30.6	91	-4.4	50.7	189	-1.3						
08/12/20	Wed	19:33:48	-6.3	297	-26.2	13	37										16.8	148	-2.7	14.5	140	0.2
08/12/20	Wed	23:57:41	-31	0	3.7	66	35							25.3	108	-1.4	17.0	212	-2.7	21.2	204	0.2
08/13/20	Thr	04:22:06	-6.3	63	48.9	112	33				30.8	91	-4.4	50.7	191	-1.4						
08/13/20	Thr	19:32:11	-6.3	297	-24.6	360	27										17.1	149	-2.7	14.8	140	0.2
08/13/20	Thr	23:57:30	-32	360	-1.8	56	26							25.8	109	-1.4	16.6	213	-2.7	20.9	205	0.2
08/14/20	Fri	04:23:22	-6.3	63	42.0	99	24				31.0	91	-4.4	50.7	192	-1.4						
08/14/20	Fri	19:30:32	-6.3	296	-22.0	347	19										17.3	149	-2.7	15.1	141	0.2
08/14/20	Fri	23:57:18	-32	360	-8.6	46	17							26.3	109	-1.4	16.2	213	-2.7	20.6	206	0.2
08/15/20	Sat	04:24:37	-6.3	64	33.5	89	16				31.2	92	-4.4	50.6	194	-1.4						
08/15/20	Sat	04:24:37			Ven 3.5																	
08/15/20	Sat	19:28:53	-6.3	296	-18.4	334	11										17.5	150	-2.7	15.4	142	0.2
08/15/20	Sat	23:57:06	-32	0	-14.8	35	10							26.8	110	-1.4	15.7	214	-2.7	20.3	207	0.2
08/16/20	Sun	04:25:53	-6.3	64	23.9	80	9				31.4	92	-4.4	50.5	195	-1.4						
08/16/20	Sun	19:27:12	-6.3	295	-13.9	321	5										17.8	150	-2.6	15.6	142	0.2
08/16/20	Sun	23:56:53	-33	0	-20.8	23	4							27.3	110	-1.4	15.3	215	-2.6	19.9	208	0.2
08/17/20	Mon	04:27:08	-6.3	65	13.4	73	4				31.6	92	-4.4	50.4	197	-1.5						
08/17/20	Mon	19:25:30	-6.3	295	-8.9	309	1										18.0	151	-2.6	15.9	143	0.2
08/17/20	Mon	23:56:40	-33	360	-26.3	10	1							27.8	111	-1.5	14.9	216	-2.6	19.6	209	0.2
08/18/20	Tue	04:28:23	-6.3	65	2.4	66	1				31.7	92	-4.4	50.3	198	-1.5						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn						
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag			
For observations near Journey Museum. All dates and times in MST.																									
08/18/20	Tue	19:23:48	-6.3	294	-2.8	296	0										18.2	152	-2.6	16.1	143	0.2			
08/18/20	Tue	23:56:26	-33	0	-30.7	356	0										28.3	111	-1.5	14.4	217	-2.6	19.2	210	0.2
08/19/20	Wed	04:29:39	-6.3	66	-9.5	59	0				31.9	92	-4.4	50.1	200	-1.5									
08/19/20	Wed	19:22:05	-6.3	294	2.7	283	2										18.4	152	-2.6	16.4	144	0.2			
08/19/20	Wed	23:56:12	-34	0	-33.7	340	2										28.8	112	-1.5	14.0	218	-2.6	18.8	211	0.2
08/20/20	Thr	04:30:54	-6.3	66	-21.1	52	3				32.1	92	-4.4	49.9	202	-1.5									
08/20/20	Thr	19:20:21	-6.3	293	8.1	270	6										18.6	153	-2.6	16.6	144	0.2			
08/20/20	Thr	23:55:58	-34	360	-34.7	323	7										29.3	112	-1.5	13.5	219	-2.6	18.5	212	0.2
08/21/20	Fri	04:32:09	-6.3	67	-32.5	45	8				32.2	93	-4.4	49.7	203	-1.5									
08/21/20	Fri	19:18:36	-6.3	293	13.1	257	12										18.8	153	-2.6	16.9	145	0.3			
08/21/20	Fri	23:55:42	-34	0	-33.5	307	14										29.8	113	-1.6	13.1	219	-2.6	18.1	213	0.3
08/22/20	Sat	04:33:24	-6.3	67	-43.3	34	16				32.3	93	-4.4	49.5	205	-1.6									
08/22/20	Sat	19:16:50	-6.3	292	17.3	243	21										19.0	154	-2.6	17.1	145	0.3			
08/22/20	Sat	23:55:27	-35	360	-30.3	291	23										30.3	113	-1.6	12.6	220	-2.6	17.7	213	0.3
08/23/20	Sun	04:34:38	-6.3	68	-52.7	20	25				32.5	93	-4.3	49.2	206	-1.6									
08/23/20	Sun	19:15:04	-6.3	292	20.5	228	32										19.1	154	-2.6	17.4	146	0.3			
08/23/20	Sun	23:55:11	-35	0	-25.5	277	34										30.8	114	-1.6	12.2	221	-2.6	17.3	214	0.3
08/24/20	Mon	04:35:53	-6.3	68	-59.6	0	36				32.6	93	-4.3	49.0	208	-1.6									
08/24/20	Mon	19:13:17	-6.3	291	22.4	213	43										19.3	155	-2.6	17.6	146	0.3			
08/24/20	Mon	23:54:54	-35	0	-19.5	264	45										31.4	114	-1.6	11.7	222	-2.6	16.9	215	0.3
08/25/20	Tue	04:37:07	-6.3	69	-62.1	335	47				32.7	93	-4.3	48.6	210	-1.6									
08/25/20	Tue	19:11:29	-6.3	291	23.0	199	54										19.5	156	-2.6	17.8	147	0.3			
08/25/20	Tue	23:54:37	-36	360	-12.7	253	56										31.9	115	-1.7	11.2	223	-2.6	16.5	216	0.3
08/26/20	Wed	04:38:21	-6.3	69	-59.5	309	58				32.8	94	-4.3	48.3	211	-1.7									
08/26/20	Wed	19:09:41	-6.3	290	22.3	184	65										19.7	156	-2.6	18.0	147	0.3			
08/26/20	Wed	23:54:20	-36	360	-5.4	242	67										32.4	115	-1.7	10.7	223	-2.6	16.1	217	0.3

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/27/20	Thr	04:39:35	-6.3	70	-52.9	291	69				32.9	94	-4.3	47.9	213	-1.7						
08/27/20	Thr	19:07:52	-6.3	290	20.4	171	75										19.8	157	-2.6	18.2	148	0.3
08/27/20	Thr	23:54:02	-36	0	2.3	232	77						32.9	116	-1.7		10.2	224	-2.6	15.6	218	0.3
08/28/20	Fri	04:40:49	-6.3	70	-44.4	278	78				33.0	94	-4.3	47.5	214	-1.7						
08/28/20	Fri	19:06:03	-6.3	289	17.7	157	83										20.0	157	-2.6	18.4	149	0.3
08/28/20	Fri	19:06:03			Jup 2.3																	
08/28/20	Fri	23:53:44	-37	360	9.4	222	85						33.4	117	-1.7		9.8	225	-2.6	15.2	218	0.3
08/28/20	Fri	23:53:44			Jup 3.1																	
08/29/20	Sat	04:42:02	-6.3	71	-34.8	269	86				33.0	94	-4.3	47.1	216	-1.7						
08/29/20	Sat	19:04:13	-6.3	289	14.2	145	90										20.1	158	-2.6	18.6	149	0.3
08/29/20	Sat	23:53:26	-37	0	16.3	211	91						34.0	117	-1.8		9.3	226	-2.6	14.8	219	0.3
08/30/20	Sun	04:43:15	-6.3	71	-24.7	262	93				33.1	94	-4.3	46.7	217	-1.8						
08/30/20	Sun	19:02:22	-6.3	288	10.2	133	95										20.3	158	-2.6	18.8	150	0.3
08/30/20	Sun	23:53:07	-38	360	22.8	201	96						34.5	118	-1.8		8.8	226	-2.6	14.3	220	0.3
08/31/20	Mon	04:44:28	-6.3	72	-14.5	257	97				33.2	95	-4.3	46.2	219	-1.8						
08/31/20	Mon	19:00:31	-6.3	288	6.0	121	99										20.4	159	-2.6	19.0	150	0.3
08/31/20	Mon	23:52:48	-38	360	28.5	189	99						35.0	119	-1.8		8.3	227	-2.6	13.9	221	0.3
09/01/20	Tue	04:45:41	-6.3	73	-4.0	252	99				33.2	95	-4.3	45.7	220	-1.8						
09/01/20	Tue	18:58:40	-6.3	287	1.8	110	100										20.6	159	-2.6	19.2	151	0.3
09/01/20	Tue	23:52:28	-38	360	33.2	177	100						35.5	120	-1.8		7.8	228	-2.6	13.4	222	0.3
09/02/20	Wed	04:46:54	-6.3	73	6.2	247	100				33.3	95	-4.3	45.2	222	-1.8						
09/02/20	Wed	18:56:48	-6.3	287	-2.4	100	99										20.7	160	-2.5	19.4	151	0.3
09/02/20	Wed	23:52:09	-39	0	36.6	164	99						36.1	120	-1.9		7.3	228	-2.5	13.0	222	0.3
09/03/20	Thr	04:48:07	-6.3	74	16.2	243	98				33.3	95	-4.3	44.6	223	-1.9						
09/03/20	Thr	18:54:57	-6.3	286	-7.2	89	97										20.8	160	-2.5	19.6	152	0.3
09/03/20	Thr	23:51:49	-39	360	38.4	150	96						36.6	121	-1.9		6.8	229	-2.5	12.5	223	0.3
09/04/20	Fri	04:49:19	-6.3	74	26.1	238	95				33.3	95	-4.3	44.1	225	-1.9						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/12/20	Sat	18:37:59	-6.3	281	-20.4	340	24										21.8	165	-2.5	21.1	156	0.4
09/12/20	Sat	23:48:42	-42	360	-7.2	48	22						41.4	129	-2.1				8.1	230	0.4	
09/13/20	Sun	05:00:04	-6.3	79	43.0	99	20				33.2	98	-4.2	37.7	237	-2.1						
09/13/20	Sun	18:36:06	-6.3	281	-17.6	327	15										21.9	165	-2.5	21.2	157	0.4
09/13/20	Sun	23:48:20	-43	0	-15.8	39	14						41.9	130	-2.1				7.6	230	0.4	
09/14/20	Mon	05:01:15	-6.3	80	31.7	92	12				33.1	98	-4.2	36.9	239	-2.1						
09/14/20	Mon	18:34:12	-6.3	280	-14.0	313	8										22.0	166	-2.5	21.4	157	0.4
09/14/20	Mon	23:47:59	-43	0	-24.3	28	7							42.4	131	-2.2			7.1	231	0.4	
09/15/20	Tue	05:02:26	-6.3	80	19.7	86	6				33.1	98	-4.2	36.0	240	-2.2						
09/15/20	Tue	18:32:19	-6.3	280	-9.6	300	3										22.1	166	-2.5	21.5	158	0.4
09/15/20	Tue	23:47:38	-44	0	-32.3	15	2							42.9	132	-2.2			6.6	232	0.4	
09/16/20	Wed	05:03:37	-6.3	81	7.1	81	2				33.0	99	-4.2	35.2	241	-2.2						
09/16/20	Wed	18:30:26	-6.3	279	-4.6	286	0										22.2	167	-2.5	21.7	158	0.4
09/16/20	Wed	23:47:16	-44	0	-39.1	0	0							43.4	134	-2.2			6.1	232	0.4	
09/17/20	Thr	05:04:48	-6.3	81	-6.0	76	0				32.9	99	-4.2	34.3	243	-2.2						
09/17/20	Thr	18:28:32	-6.3	279	1.0	272	1										22.2	167	-2.4	21.8	159	0.4
09/17/20	Thr	23:46:55	-44	0	-43.8	343	1							43.9	135	-2.2			5.6	233	0.4	
09/18/20	Fri	05:05:58	-6.3	82	-19.1	71	2				32.9	99	-4.2	33.4	244	-2.2						
09/18/20	Fri	18:26:39	-6.3	278	5.8	259	4										22.3	168	-2.4	21.9	159	0.4
09/18/20	Fri	23:46:34	-45	360	-45.4	323	5							44.4	136	-2.2			5.0	234	0.4	
09/19/20	Sat	05:07:09	-6.3	82	-31.9	66	6				32.8	100	-4.2	32.4	245	-2.3						
09/19/20	Sat	18:24:46	-6.3	277	10.5	245	10										22.4	168	-2.4	22.1	160	0.4
09/19/20	Sat	23:46:12	-45	360	-43.6	303	12							44.9	137	-2.3			4.5	234	0.4	
09/20/20	Sun	05:08:20	-6.3	83	-44.2	58	14				32.7	100	-4.2	31.5	246	-2.3						
09/20/20	Sun	18:22:53	-6.3	277	14.5	231	18										22.5	169	-2.4	22.2	160	0.4
09/20/20	Sun	23:45:51	-45	360	-38.9	286	20							45.4	139	-2.3			4.0	235	0.4	
09/21/20	Mon	05:09:30	-6.3	83	-55.5	47	23				32.6	100	-4.1	30.5	248	-2.3						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/21/20	Mon	18:21:01	-6.3	276	17.6	216	28										22.5	169	-2.4	22.3	161	0.4
09/21/20	Mon	23:45:30	-46	360	-32.1	272	31					45.9	140	-2.3						3.5	236	0.4
09/22/20	Tue	05:10:41	-6.3	84	-64.7	29	33				32.5	101	-4.1	29.5	249	-2.3						
09/22/20	Tue	18:19:08	-6.3	276	19.6	202	39										22.6	170	-2.4	22.4	161	0.4
09/22/20	Tue	23:45:09	-46	360	-24.1	260	41					46.3	141	-2.3								
09/23/20	Wed	05:11:51	-6.3	84	-69.5	358	44				32.4	101	-4.1	28.5	250	-2.3						
09/23/20	Wed	18:17:16	-6.3	275	20.6	188	50										22.7	170	-2.4	22.6	162	0.4
09/23/20	Wed	23:44:48	-47	0	-15.5	250	52					46.8	143	-2.4								
09/24/20	Thr	05:13:02	-6.3	85	-67.6	325	55				32.3	101	-4.1	27.5	251	-2.4						
09/24/20	Thr	18:15:24	-6.3	275	20.4	174	60										22.7	171	-2.4	22.7	162	0.4
09/24/20	Thr	18:15:24			Jup 3.9																	
09/24/20	Thr	23:44:27	-47	0	-6.6	241	63					47.2	144	-2.4								
09/25/20	Fri	05:14:12	-6.3	86	-60.6	303	65				32.2	102	-4.1	26.4	252	-2.4						
09/25/20	Fri	18:13:33	-6.3	274	19.3	161	70										22.8	171	-2.4	22.8	163	0.4
09/25/20	Fri	18:13:33			Sat 3.9																	
09/25/20	Fri	23:44:07	-47	360	2.6	233	73					47.6	146	-2.4								
09/26/20	Sat	05:15:23	-6.3	86	-51.4	290	75				32.1	102	-4.1	25.4	253	-2.4						
09/26/20	Sat	18:11:41	-6.3	274	17.4	148	79										22.8	172	-2.4	22.9	163	0.4
09/26/20	Sat	23:43:46	-48	360	11.2	225	81					48.0	147	-2.4								
09/27/20	Sun	05:16:33	-6.3	87	-41.5	282	83				32.0	103	-4.1	24.3	255	-2.4						
09/27/20	Sun	18:09:51	-6.3	273	14.7	136	87										22.9	172	-2.4	23.0	164	0.5
09/27/20	Sun	23:43:26	-48	360	19.7	217	88					48.4	149	-2.4								
09/28/20	Mon	05:17:44	-6.3	87	-31.2	277	90				31.8	103	-4.1	23.2	256	-2.4						
09/28/20	Mon	18:08:00	-6.3	273	11.6	124	93										22.9	173	-2.4	23.1	164	0.5
09/28/20	Mon	23:43:06	-49	360	27.7	208	94					48.8	151	-2.5								
09/29/20	Tue	05:18:54	-6.3	88	-20.9	272	95				31.7	103	-4.1	22.1	257	-2.5						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/29/20	Tue	18:06:10	-6.3	272	8.1	113	97										23.0	173	-2.4	23.2	165	0.5
09/29/20	Tue	23:42:46	-49	360	35.1	197	97					49.1	152	-2.5								
09/30/20	Wed	05:20:05	-6.3	88	-10.6	269	98				31.6	104	-4.1	21.0	258	-2.5						
09/30/20	Wed	18:04:21	-6.3	271	4.3	102	99										23.0	174	-2.4	23.3	166	0.5
09/30/20	Wed	23:42:27	-49	360	41.4	185	99					49.4	154	-2.5								
10/01/20	Thr	05:21:15	-6.3	89	0.3	266	100				31.4	104	-4.1	19.8	259	-2.5						
10/01/20	Thr	18:02:32	-6.3	271	0.7	91	100										23.1	174	-2.4	23.4	166	0.5
10/01/20	Thr	23:42:08	-50	0	46.2	171	100					49.7	156	-2.5								
10/02/20	Fri	05:22:26	-6.3	89	10.2	262	99				31.3	105	-4.1	18.7	260	-2.5						
10/02/20	Fri	18:00:43	-6.3	270	-3.4	80	99										23.1	175	-2.3	23.5	167	0.5
10/02/20	Fri	23:41:49	-50	0	48.9	155	98					50.0	158	-2.5								
10/02/20	Fri	23:41:49			Mars 1.8																	
10/03/20	Sat	05:23:37	-6.3	90	20.4	259	97				31.1	105	-4.1	17.5	261	-2.5						
10/03/20	Sat	05:23:37			Mars 3.6																	
10/03/20	Sat	17:58:56	-6.3	270	-7.6	70	96										23.2	175	-2.3	23.6	167	0.5
10/03/20	Sat	23:41:30	-51	360	49.3	138	95					50.3	159	-2.5								
10/04/20	Sun	05:24:47	-6.3	90	30.5	255	94				31.0	105	-4.1	16.4	262	-2.5						
10/04/20	Sun	17:57:08	-6.3	269	-11.2	59	91										23.2	175	-2.3	23.6	168	0.5
10/04/20	Sun	23:41:12	-51	360	47.0	122	90					50.5	161	-2.6								
10/05/20	Mon	05:25:58	-6.3	91	40.5	250	89				30.8	106	-4.1	15.2	264	-2.6						
10/05/20	Mon	17:55:22	-6.3	269	-14.5	48	85										23.2	176	-2.3	23.7	168	0.5
10/05/20	Mon	23:40:54	-51	0	42.6	107	84					50.7	163	-2.6								
10/06/20	Tue	05:27:09	-6.3	92	50.2	243	82				30.7	106	-4.1	14.0	265	-2.6						
10/06/20	Tue	17:53:36	-6.3	268	-17.4	36	78										23.3	176	-2.3	23.8	169	0.5
10/06/20	Tue	23:40:37	-52	360	36.4	95	76					50.9	165	-2.6								
10/07/20	Wed	05:28:21	-6.3	92	59.2	232	74				30.5	107	-4.1	12.9	266	-2.6						
10/07/20	Wed	17:51:51	-6.3	268	-19.8	24	69										23.3	177	-2.3	23.9	169	0.5

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
10/16/20	Fri	17:36:41	-6.3	263	-1.6	262	0							5.5	88	-2.6	23.4	181	-2.3	24.4	174	0.5
10/16/20	Fri	23:38:10	-55	360	-54.0	347	0							51.1	185	-2.6						
10/17/20	Sat	05:40:23	-6.3	97	-15.2	90	1			28.6	111	-4.0										
10/17/20	Sat	17:35:04	-6.3	262	3.3	248	2							6.1	88	-2.5	23.5	182	-2.2	24.4	175	0.5
10/17/20	Sat	23:37:59	-56	0	-55.4	323	3							51.0	187	-2.5						
10/18/20	Sun	05:41:36	-6.3	98	-28.3	85	5			28.4	112	-4.0										
10/18/20	Sun	17:33:29	-6.3	262	8.2	234	7							6.7	89	-2.5	23.5	182	-2.2	24.5	175	0.5
10/18/20	Sun	23:37:48	-56	360	-51.9	300	9							50.8	189	-2.5						
10/19/20	Mon	05:42:49	-6.3	98	-40.9	78	11			28.2	112	-4.0										
10/19/20	Mon	17:31:55	-6.3	261	12.7	221	15							7.2	90	-2.5	23.5	183	-2.2	24.5	176	0.5
10/19/20	Mon	23:37:37	-56	360	-44.9	282	17							50.6	191	-2.5						
10/20/20	Tue	05:44:03	-6.3	99	-52.5	69	19			28.0	113	-4.0										
10/20/20	Tue	17:30:21	-6.3	261	16.4	207	24							7.8	90	-2.5	23.5	183	-2.2	24.6	176	0.6
10/20/20	Tue	23:37:28	-57	360	-36.0	269	26							50.4	192	-2.5						
10/21/20	Wed	05:45:16	-6.3	99	-62.4	54	29			27.8	113	-4.0										
10/21/20	Wed	17:28:49	-6.3	260	19.2	193	34							8.5	91	-2.4	23.5	183	-2.2	24.6	177	0.6
10/21/20	Wed	23:37:19	-57	0	-26.3	259	37							50.1	194	-2.4						
10/22/20	Thr	05:46:30	-6.3	100	-68.9	28	39			27.6	114	-4.0										
10/22/20	Thr	17:27:19	-6.3	260	21.0	180	44							9.1	92	-2.4	23.5	184	-2.2	24.6	178	0.6
10/22/20	Thr	17:27:19			Sat 4.1																	
10/22/20	Thr	23:37:10	-58	360	-16.3	252	47							49.9	196	-2.4						
10/23/20	Fri	05:47:44	-6.3	100	-69.4	355	50			27.4	114	-4.0										
10/23/20	Fri	17:25:49	-6.3	260	21.7	166	55							9.7	92	-2.4	23.4	184	-2.2	24.6	178	0.6
10/23/20	Fri	23:37:02	-58	360	-6.2	245	58							49.6	198	-2.4						
10/24/20	Sat	05:48:58	-6.3	101	-64.2	328	60			27.1	114	-4.0										
10/24/20	Sat	17:24:21	-6.3	259	21.5	153	65							10.3	93	-2.4	23.4	185	-2.2	24.6	179	0.6
10/24/20	Sat	23:36:55	-58	0	4.0	239	67							49.2	200	-2.4						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn		
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az
11/16/20	Mon	16:57:34	-6.3	249	6.0	228	5						23.9	107	-1.6	22.3	197	-2.1	23.8	194	0.6
11/16/20	Mon	16:57:34														Sat 3.7					
11/16/20	Mon	23:37:53	-65	360	-58.4	299	6						38.6	233	-1.6						
11/17/20	Tue	06:18:45	-6.3	111	-34.5	92	8	9.8	118	-0.7	20.9	125	-3.9								
11/17/20	Tue	16:56:46	-6.3	249	11.8	216	11						24.4	107	-1.6	22.2	198	-2.1	23.7	194	0.6
11/17/20	Tue	16:56:46														Sat 3.6					
11/17/20	Tue	23:38:05	-65	0	-49.4	283	13						38.1	234	-1.6						
11/18/20	Wed	06:19:58	-6.3	111	-45.1	83	15	9.3	118	-0.7	20.6	126	-3.9								
11/18/20	Wed	16:56:00	-6.3	249	17.0	203	19						25.0	108	-1.5	22.1	198	-2.1	23.5	195	0.6
11/18/20	Wed	16:56:00														Sat 3.5					
11/18/20	Wed	23:38:19	-66	0	-39.1	272	21						37.5	235	-1.5						
11/19/20	Thr	06:21:10	-6.3	111	-54.1	69	24	8.9	119	-0.7	20.4	126	-3.9								
11/19/20	Thr	16:55:16	-6.3	248	21.3	190	28						25.6	108	-1.5	21.9	199	-2.1	23.4	196	0.6
11/19/20	Thr	16:55:16														Sat 3.4					
11/19/20	Thr	23:38:33	-66	360	-28.4	264	31						37.0	236	-1.5						
11/20/20	Fri	06:22:21	-6.3	112	-60.4	50	34	8.4	119	-0.7	20.1	126	-3.9								
11/20/20	Fri	16:54:35	-6.3	248	24.6	177	38						26.2	109	-1.5	21.8	200	-2.1	23.3	196	0.6
11/20/20	Fri	16:54:35														Sat 3.3					
11/20/20	Fri	23:38:48	-66	0	-17.6	259	41						36.5	237	-1.5						
11/21/20	Sat	06:23:32	-6.3	112	-62.8	26	44	7.9	119	-0.7	19.8	127	-3.9								
11/21/20	Sat	16:53:56	-6.3	248	26.8	164	48						26.7	109	-1.4	21.7	200	-2.1	23.2	197	0.6
11/21/20	Sat	16:53:56														Sat 3.2					
11/21/20	Sat	23:39:04	-66	360	-7.0	254	51						36.0	238	-1.4						
11/22/20	Sun	06:24:42	-6.3	112	-60.8	3	54	7.4	119	-0.7	19.5	127	-3.9								
11/22/20	Sun	16:53:18	-6.3	248	27.8	151	58						27.3	110	-1.4	21.6	201	-2.1	23.0	198	0.6
11/22/20	Sun	16:53:18														Sat 3.1					
11/22/20	Sun	23:39:20	-66	0	3.8	250	61						35.4	239	-1.4						
11/23/20	Mon	06:25:52	-6.3	113	-55.5	344	63	6.8	119	-0.7	19.2	128	-3.9								

For observations near Journey Museum. All dates and times in MST.

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
11/23/20	Mon	16:52:43	-6.3	247	27.6	138	67							27.9	110	-1.4	21.4	202	-2.1	22.9	199	0.6
11/23/20	Mon	16:52:43															Sat 3.0					
11/23/20	Mon	23:39:38	-67	0	14.0	245	70							34.9	240	-1.4						
11/24/20	Tue	06:27:01	-6.3	113	-48.3	332	72	6.3	120	-0.7	18.9	128	-3.9									
11/24/20	Tue	16:52:11	-6.3	247	26.3	125	76							28.4	111	-1.3	21.3	202	-2.1	22.7	199	0.6
11/24/20	Tue	16:52:11															Sat 2.9					
11/24/20	Tue	23:39:56	-67	0	24.1	241	78							34.4	241	-1.3						
11/25/20	Wed	06:28:09	-6.3	113	-40.0	322	80	5.8	120	-0.7	18.6	128	-3.9									
11/25/20	Wed	16:51:40	-6.3	247	24.0	113	83							29.0	112	-1.3	21.2	203	-2.0	22.5	200	0.6
11/25/20	Wed	16:51:40															Sat 2.8					
11/25/20	Wed	23:40:14	-67	0	34.0	235	85							33.9	242	-1.3						
11/26/20	Thr	06:29:16	-6.3	113	-31.2	315	87	5.2	120	-0.7	18.3	129	-3.9									
11/26/20	Thr	16:51:12	-6.3	246	20.7	102	90							29.6	112	-1.3	21.0	203	-2.0	22.3	201	0.6
11/26/20	Thr	16:51:12															Sat 2.7					
11/26/20	Thr	23:40:34	-67	0	43.6	229	91							33.4	243	-1.3						
11/27/20	Fri	06:30:22	-6.3	114	-22.1	309	93	4.7	120	-0.7	18.0	129	-3.9									
11/27/20	Fri	16:50:46	-6.3	246	16.7	91	95							30.1	113	-1.2	20.8	204	-2.0	22.2	202	0.6
11/27/20	Fri	16:50:46															Sat 2.6					
11/27/20	Fri	23:40:54	-67	360	52.6	219	96							32.9	244	-1.2						
11/28/20	Sat	06:31:28	-6.3	114	-12.8	303	97	4.1	120	-0.7	17.7	129	-3.9									
11/28/20	Sat	16:50:22	-6.3	246	12.0	80	98							30.7	113	-1.2	20.7	205	-2.0	22.0	202	0.6
11/28/20	Sat	16:50:22															Sat 2.5					
11/28/20	Sat	23:41:15	-68	0	60.5	205	99							32.3	245	-1.2						
11/29/20	Sun	06:32:32	-6.3	114	-2.8	298	99	3.6	120	-0.7	17.4	129	-3.9									
11/29/20	Sun	16:50:01	-6.3	246	6.8	70	100							31.3	114	-1.2	20.5	205	-2.0	21.7	203	0.6
11/29/20	Sun	16:50:01															Sat 2.4					
11/29/20	Sun	23:41:37	-68	360	65.9	183	100							31.8	246	-1.2						
11/30/20	Mon	06:33:36	-6.3	114	6.5	293	100	3.1	120	-0.8	17.1	130	-3.9									

For observations near Journey Museum. All dates and times in MST.

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
11/30/20	Mon	16:49:42	-6.3	245	1.4	60	100							31.9	114	-1.1	20.3	206	-2.0	21.5	204	0.6
11/30/20	Mon	16:49:42															Sat 2.3					
11/30/20	Mon	23:41:59	-68	0	66.8	154	99							31.3	246	-1.1						
12/01/20	Tue	06:34:38	-6.3	115	15.9	287	99			16.8	130	-3.9										
12/01/20	Tue	16:49:26	-6.3	245	-4.7	50	98							32.4	115	-1.1	20.1	207	-2.0	21.3	205	0.6
12/01/20	Tue	16:49:26															Sat 2.2					
12/01/20	Tue	23:42:22	-68	360	62.6	129	97							30.8	247	-1.1						
12/02/20	Wed	06:35:40	-6.3	115	25.3	280	96			16.4	130	-3.9										
12/02/20	Wed	16:49:11	-6.3	245	-10.8	40	94							33.0	115	-1.1	19.9	207	-2.0	21.1	206	0.6
12/02/20	Wed	16:49:11															Sat 2.0					
12/02/20	Wed	23:42:45	-68	360	54.9	112	92							30.3	248	-1.1						
12/03/20	Thr	06:36:40	-6.3	115	34.3	272	91			16.1	130	-3.9										
12/03/20	Thr	16:49:00	-6.3	245	-16.6	30	88							33.6	116	-1.0	19.7	208	-2.0	20.8	206	0.6
12/03/20	Thr	16:49:00															Sat 1.9					
12/03/20	Thr	23:43:09	-68	360	45.3	101	86							29.8	249	-1.0						
12/04/20	Fri	06:37:39	-6.3	115	42.6	261	84			15.8	131	-3.9										
12/04/20	Fri	16:48:50	-6.3	245	-22.1	19	80							34.1	117	-1.0	19.5	209	-2.0	20.6	207	0.6
12/04/20	Fri	16:48:50															Sat 1.8					
12/04/20	Fri	23:43:34	-68	0	34.8	93	78							29.3	250	-1.0						
12/05/20	Sat	06:38:37	-6.3	115	49.6	247	75			15.5	131	-3.9										
12/05/20	Sat	16:48:43	-6.3	244	-27.1	7	71							34.7	117	-1.0	19.3	209	-2.0	20.3	208	0.6
12/05/20	Sat	16:48:43															Sat 1.7					
12/05/20	Sat	23:43:59	-69	360	23.6	88	69							28.8	251	-1.0						
12/06/20	Sun	06:39:33	-6.3	116	54.3	229	66			15.2	131	-3.9										
12/06/20	Sun	16:48:39	-6.3	244	-31.1	353	61							35.3	118	-0.9	19.0	210	-2.0	20.0	209	0.6
12/06/20	Sun	16:48:39															Sat 1.6					
12/06/20	Sun	23:44:25	-69	0	12.0	83	58							28.3	252	-0.9						
12/07/20	Mon	06:40:28	-6.3	116	55.4	207	55			14.9	131	-3.9										

For observations near Journey Museum. All dates and times in MST.

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
12/07/20	Mon	16:48:36	-6.3	244	-33.9	339	50							35.9	118	-0.9	18.8	211	-2.0	19.7	210	0.6
12/07/20	Mon	16:48:36															Sat 1.5					
12/07/20	Mon	23:44:51	-69	360	0.4	79	47							27.9	252	-0.9						
12/08/20	Tue	06:41:22	-6.3	116	52.5	186	44		14.6	131	-3.9											
12/08/20	Tue	16:48:36	-6.3	244	-35.0	323	39							36.4	119	-0.9	18.5	212	-2.0	19.4	210	0.6
12/08/20	Tue	16:48:36															Sat 1.4					
12/08/20	Tue	23:45:18	-69	0	-12.4	74	36							27.4	253	-0.9						
12/09/20	Wed	06:42:14	-6.3	116	46.0	168	33		14.3	132	-3.9											
12/09/20	Wed	16:48:39	-6.3	244	-34.2	307	28							37.0	120	-0.9	18.3	212	-2.0	19.1	211	0.6
12/09/20	Wed	16:48:39															Sat 1.3					
12/09/20	Wed	23:45:45	-69	360	-24.8	69	25							26.9	254	-0.8						
12/10/20	Thr	06:43:05	-6.3	116	37.2	154	23		14.0	132	-3.9											
12/10/20	Thr	16:48:44	-6.3	244	-31.2	292	18							37.6	120	-0.8	18.0	213	-2.0	18.8	212	0.6
12/10/20	Thr	16:48:44															Sat 1.2					
12/10/20	Thr	23:46:13	-69	360	-37.2	63	16							26.4	255	-0.8						
12/11/20	Fri	06:43:54	-6.3	116	27.1	143	13		13.7	132	-3.9											
12/11/20	Fri	16:48:51	-6.3	244	-26.4	277	10							38.2	121	-0.8	17.7	214	-2.0	18.5	213	0.6
12/11/20	Fri	16:48:51															Sat 1.1					
12/11/20	Fri	23:46:41	-69	0	-49.3	55	8							25.9	255	-0.8						
12/12/20	Sat	06:44:41	-6.3	116	16.1	134	6		13.3	132	-3.9											
12/12/20	Sat	06:44:41			Ven 3.4																	
12/12/20	Sat	16:49:01	-6.3	244	-20.2	263	4							38.7	121	-0.8	17.5	215	-2.0	18.1	214	0.6
12/12/20	Sat	16:49:01															Sat 1.0					
12/12/20	Sat	23:47:09	-69	0	-60.4	40	3							25.5	256	-0.8						
12/13/20	Sun	06:45:27	-6.3	116	5.0	126	2		13.0	132	-3.9											
12/13/20	Sun	16:49:13	-6.3	243	-12.9	251	1							39.3	122	-0.7	17.2	215	-2.0	17.8	215	0.6
12/13/20	Sun	16:49:13															Sat 0.9					
12/13/20	Sun	23:47:38	-69	360	-68.4	14	0							25.0	257	-0.7						

For observations near Journey Museum. All dates and times in MST.

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/14/20	Mon	06:46:11	-6.3	117	-6.3	118	0				12.7	132	-3.9									
12/14/20	Mon	16:49:28	-6.3	243	-4.9	240	0							39.9	123	-0.7	16.9	216	-2.0	17.4	215	0.6
12/14/20	Mon	16:49:28															Sat 0.8					
12/14/20	Mon	23:48:07	-69	0	-69.5	337	1							24.5	258	-0.7						
12/15/20	Tue	06:46:53	-6.3	117	-17.0	109	1				12.4	132	-3.9									
12/15/20	Tue	16:49:45	-6.3	243	3.4	229	2							40.5	123	-0.7	16.5	217	-2.0	17.0	216	0.6
12/15/20	Tue	16:49:45															Sat 0.6					
12/15/20	Tue	23:48:36	-69	360	-63.2	307	4							24.1	258	-0.7						
12/16/20	Wed	06:47:34	-6.3	117	-26.8	100	5				12.1	132	-3.9									
12/16/20	Wed	16:50:04	-6.3	243	11.2	218	7							41.0	124	-0.6	16.2	217	-2.0	16.6	217	0.6
12/16/20	Wed	16:50:04															Sat 0.5					
12/16/20	Wed	23:49:06	-69	360	-53.5	291	9							23.6	259	-0.6						
12/17/20	Thr	06:48:12	-6.3	117	-35.6	89	11				11.8	132	-3.9									
12/17/20	Thr	16:50:25	-6.3	243	18.6	208	14							41.6	125	-0.6	15.9	218	-2.0	16.2	218	0.6
12/17/20	Thr	16:50:25															Sat 0.4					
12/17/20	Thr	23:49:35	-69	360	-42.7	282	16							23.2	260	-0.6						
12/18/20	Fri	06:48:49	-6.3	117	-42.7	76	18				11.5	132	-3.9									
12/18/20	Fri	16:50:48	-6.3	243	25.2	196	22							42.2	125	-0.6	15.5	219	-2.0	15.8	219	0.6
12/18/20	Fri	16:50:48															Sat 0.3					
12/18/20	Fri	23:50:05	-69	0	-31.8	276	24							22.7	261	-0.6						
12/19/20	Sat	06:49:24	-6.3	117	-47.8	61	27				11.2	132	-3.9									
12/19/20	Sat	16:51:14	-6.3	243	30.9	184	31							42.8	126	-0.6	15.2	220	-2.0	15.4	220	0.6
12/19/20	Sat	16:51:14															Sat 0.2					
12/19/20	Sat	23:50:35	-69	0	-20.9	271	34							22.3	261	-0.6						
12/20/20	Sun	06:49:56	-6.3	117	-50.4	44	37				10.9	132	-3.9									
12/20/20	Sun	16:51:42	-6.3	243	35.4	172	41							43.3	127	-0.5	14.8	220	-2.0	15.0	220	0.6
12/20/20	Sun	16:51:42															Sat 0.1					
12/20/20	Sun	23:51:04	-69	0	-10.2	268	43							21.9	262	-0.5						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/21/20	Mon	06:50:27	-6.3	117	-50.3	27	46				10.6	132	-3.9									
12/21/20	Mon	16:52:12	-6.3	243	38.4	158	50							43.9	127	-0.5	14.5	221	-2.0	14.5	221	0.6
12/21/20	Mon	16:52:12															Sat 0.1					
12/21/20	Mon	23:51:34	-69	0	0.9	264	53							21.4	263	-0.5						
12/22/20	Tue	06:50:55	-6.3	117	-47.7	10	56				10.3	132	-3.9									
12/22/20	Tue	16:52:44	-6.3	243	39.8	144	60							44.5	128	-0.5	14.1	222	-2.0	14.0	222	0.6
12/22/20	Tue	16:52:44															Sat 0.2					
12/22/20	Tue	23:52:04	-69	360	11.0	261	62							21.0	263	-0.5						
12/23/20	Wed	06:51:22	-6.3	117	-43.1	356	65				10.0	132	-3.9									
12/23/20	Wed	16:53:18	-6.3	243	39.3	130	69							45.0	129	-0.5	13.7	223	-2.0	13.6	223	0.6
12/23/20	Wed	16:53:18															Sat 0.3					
12/23/20	Wed	23:52:34	-69	360	21.4	258	71							20.6	264	-0.4						
12/24/20	Thr	06:51:46	-6.3	117	-37.2	345	74				9.7	132	-3.9									
12/24/20	Thr	16:53:55	-6.3	243	37.2	116	77							45.6	130	-0.4	13.3	224	-2.0	13.1	224	0.6
12/24/20	Thr	16:53:55															Sat 0.4					
12/24/20	Thr	23:53:04	-69	360	31.6	254	79							20.2	265	-0.4						
12/25/20	Fri	06:52:08	-6.3	117	-30.3	335	82				9.4	132	-3.9									
12/25/20	Fri	16:54:33	-6.3	243	33.4	104	85							46.2	130	-0.4	12.9	224	-2.0	12.6	225	0.6
12/25/20	Fri	16:54:33															Sat 0.5					
12/25/20	Fri	23:53:33	-69	360	41.7	248	86							19.7	265	-0.4						
12/26/20	Sat	06:52:28	-6.3	117	-22.9	326	88				9.1	132	-3.9									
12/26/20	Sat	16:55:13	-6.3	243	28.4	92	91							46.7	131	-0.4	12.4	225	-2.0	12.1	226	0.6
12/26/20	Sat	16:55:13															Sat 0.6					
12/26/20	Sat	23:54:03	-69	360	51.6	241	92							19.3	266	-0.4						
12/27/20	Sun	06:52:45	-6.3	117	-14.9	318	94				8.8	132	-3.9									
12/27/20	Sun	16:55:55	-6.3	243	22.3	82	96							47.3	132	-0.3	12.0	226	-2.0	11.6	226	0.6
12/27/20	Sun	16:55:55															Sat 0.7					
12/27/20	Sun	23:54:32	-69	0	60.7	228	97							18.9	267	-0.3						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/28/20	Mon	06:53:01	-6.3	117	-6.7	310	98				8.5	132	-3.9									
12/28/20	Mon	16:56:39	-6.3	243	15.3	72	99							47.9	133	-0.3	11.6	227	-2.0	11.0	227	0.6
12/28/20	Mon	16:56:39															Sat 0.8					
12/28/20	Mon	23:55:01	-69	0	67.9	207	99							18.5	267	-0.3						
12/29/20	Tue	06:53:14	-6.3	116	2.1	302	100				8.2	132	-3.9									
12/29/20	Tue	16:57:25	-6.3	244	7.7	64	100							48.4	134	-0.3	11.1	227	-2.0	10.5	228	0.6
12/29/20	Tue	16:57:25															Sat 0.9					
12/29/20	Tue	23:55:30	-69	360	70.4	175	100							18.1	268	-0.3						
12/30/20	Wed	06:53:24	-6.3	116	10.3	294	100				7.9	132	-3.9									
12/30/20	Wed	16:58:12	-6.3	244	0.0	55	99							49.0	135	-0.3	10.7	228	-2.0	10.0	229	0.6
12/30/20	Wed	16:58:12															Sat 1.0					
12/30/20	Wed	23:55:59	-69	360	66.3	143	99							17.8	269	-0.3						
12/31/20	Thr	06:53:33	-6.3	116	18.5	285	98				7.6	131	-3.9									
12/31/20	Thr	16:59:02	-6.3	244	-9.0	47	96							49.5	135	-0.2	10.2	229	-2.0	9.4	230	0.6
12/31/20	Thr	16:59:02															Sat 1.2					
12/31/20	Thr	23:56:27	-69	360	57.9	124	95							17.4	269	-0.2						
01/01/21	Fri	06:53:39	-6.3	116	26.2	275	94				7.3	131	-3.9									
01/01/21	Fri	16:59:53	-6.3	244	-17.5	38	91							50.1	136	-0.2	9.7	230	-2.0	8.8	231	0.6
01/01/21	Fri	16:59:53															Sat 1.3					
01/01/21	Fri	23:56:55	-69	0	47.5	113	89							17.0	270	-0.2						
01/02/21	Sat	06:53:43	-6.3	116	33.1	263	88				7.1	131	-3.9									
01/02/21	Sat	17:00:45	-6.3	244	-25.8	28	84							50.6	137	-0.2	9.2	231	-2.0	8.2	232	0.6
01/02/21	Sat	17:00:45															Sat 1.4					
01/02/21	Sat	23:57:23	-69	0	36.1	106	82							16.6	270	-0.2						
01/03/21	Sun	06:53:44	-6.3	116	38.5	248	80				6.8	131	-3.9									
01/03/21	Sun	17:01:40	-6.3	244	-33.7	17	76							51.2	138	-0.2	8.7	231	-2.0	7.7	232	0.6
01/03/21	Sun	17:01:40															Sat 1.5					
01/03/21	Sun	23:57:50	-69	0	24.2	101	73							16.2	271	-0.2						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
01/04/21	Mon	06:53:44	-6.3	116	41.9	232	70				6.5	131	-3.9									
01/04/21	Mon	17:02:36	-6.3	244	-40.5	4	66							51.7	139	-0.1	8.2	232	-2.0	7.1	233	0.6
01/04/21	Mon	17:02:36															Sat 1.6					
01/04/21	Mon	23:58:17	-69	0	12.0	96	63							15.9	272	-0.1						
01/05/21	Tue	06:53:40	-6.3	116	42.8	214	59				6.2	130	-3.9									
01/05/21	Tue	17:03:33	-6.3	245	-45.7	348	55							52.2	140	-0.1	7.7	233	-1.9	6.4	234	0.6
01/05/21	Tue	17:03:33															Sat 1.7					
01/05/21	Tue	23:58:43	-68	0	0.1	93	51							15.5	272	-0.1						
01/06/21	Wed	06:53:35	-6.3	115	40.8	197	48				6.0	130	-3.9									
01/06/21	Wed	17:04:32	-6.3	245	-48.4	330	43							52.7	141	-0.1	7.2	234	-1.9	5.8	235	0.6
01/06/21	Wed	17:04:32															Sat 1.8					
01/06/21	Wed	23:59:09	-68	360	-13.0	89	40							15.2	273	-0.1						
01/07/21	Thr	06:53:27	-6.3	115	36.2	181	37				5.7	130	-3.9									
01/07/21	Thr	17:05:32	-6.3	245	-47.9	310	32							53.2	142	-0.1	6.7	234	-1.9	5.2	236	0.6
01/07/21	Thr	17:05:32															Sat 1.9					
01/07/21	Thr	23:59:35	-68	0	-25.5	84	29							14.8	273	-0.1						
01/08/21	Fri	06:53:17	-6.3	115	29.8	166	26				5.4	130	-3.9									
01/08/21	Fri	17:06:33	-6.3	245	-44.2	292	22							53.8	143	0.0	6.1	235	-1.9	4.6	237	0.6
01/08/21	Fri	17:06:33															Sat 2.1					
01/08/21	Fri	00:00:00	-68	360	-37.8	78	19							14.5	274	0.0						
01/09/21	Sat	06:53:05	-6.3	115	22.0	154	17				5.2	129	-3.9									
01/09/21	Sat	17:07:36	-6.3	245	-37.9	277	13							54.3	144	0.0	5.6	236	-1.9	3.9	237	0.6
01/09/21	Sat	17:07:36															Sat 2.2					
01/10/21	Sun	00:00:24	-68	0	-49.7	70	11							14.1	275	0.0						
01/10/21	Sun	06:52:50	-6.3	115	13.5	143	9				4.9	129	-3.9									
01/10/21	Sun	17:08:40	-6.3	246	-29.8	264	6	3.4	236	-0.9				54.7	145	0.0	5.0	237	-1.9	3.3	238	0.6
01/10/21	Sun	17:08:40						Jup 1.7									Sat 2.3					
01/11/21	Mon	00:00:48	-68	0	-60.5	57	5							13.8	275	0.0						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
01/11/21	Mon	06:52:33	-6.3	114	4.7	132	3				4.7	129	-3.9									
01/11/21	Mon	06:52:33			Ven 3.5																	
01/11/21	Mon	17:09:45	-6.3	246	-20.6	254	2	4.0	236	-0.9				55.2	146	0.0	4.5	238	-1.9			
01/11/21	Mon	17:09:45						Jup 1.4														
01/12/21	Tue	00:01:12	-68	360	-68.6	32	1							13.5	276	0.0						
01/12/21	Tue	06:52:13	-6.3	114	-4.1	122	1				4.4	128	-3.9									
01/12/21	Tue	17:10:52	-6.3	246	-10.9	245	0	4.6	236	-0.9				55.7	148	0.0	3.9	238	-1.9			
01/12/21	Tue	17:10:52						Jup 2.2														
01/13/21	Wed	00:01:34	-67	0	-70.4	355	0							13.2	276	0.1						
01/13/21	Wed	06:51:52	-6.3	114	-12.6	112	0				4.2	128	-3.9									
01/13/21	Wed	17:11:59	-6.3	246	-0.3	237	1	5.2	236	-0.9				56.2	149	0.1	3.4	239	-1.9			
01/13/21	Wed	17:11:59						Jup 3.3														
01/14/21	Thr	00:01:57	-67	360	-64.9	325	2							12.8	277	0.1						
01/14/21	Thr	06:51:28	-6.3	114	-20.2	101	2				3.9	128	-3.9									
01/14/21	Thr	17:13:07	-6.3	246	9.1	230	4	5.7	236	-0.9				56.6	150	0.1						
01/15/21	Fri	00:02:18	-67	360	-55.8	308	5							12.5	277	0.1						
01/15/21	Fri	06:51:01	-6.3	113	-26.9	90	7				3.7	127	-3.9									
01/15/21	Fri	17:14:17	-6.3	247	18.6	222	9	6.3	236	-0.9				57.1	151	0.1						
01/16/21	Sat	00:02:39	-67	0	-45.5	298	11							12.2	278	0.1						
01/16/21	Sat	06:50:33	-6.3	113	-32.3	77	13				3.4	127	-3.9									
01/16/21	Sat	17:15:27	-6.3	247	27.7	214	16	6.9	237	-0.9				57.5	152	0.1						
01/17/21	Sun	00:02:59	-67	360	-35.0	292	18							11.9	278	0.1						
01/17/21	Sun	06:50:02	-6.3	113	-36.2	64	20				3.2	127	-3.9									
01/17/21	Sun	17:16:38	-6.3	247	36.0	205	24	7.4	237	-0.9				58.0	154	0.2						
01/18/21	Mon	00:03:18	-66	360	-24.4	287	26							11.6	279	0.2						
01/18/21	Mon	17:17:50	-6.3	248	43.4	194	33	7.9	237	-0.8				58.4	155	0.2						
01/19/21	Tue	00:03:37	-66	0	-13.9	283	35							11.4	279	0.2						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn		
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az
For observations near Journey Museum. All dates and times in MST.																					
01/19/21	Tue	17:19:02	-6.3	248	49.4	180	42	8.4	238	-0.8				58.8	156	0.2					
01/20/21	Wed	00:03:55	-66	360	-3.0	280	45							11.1	280	0.2					
01/20/21	Wed	17:20:15	-6.3	248	53.3	164	51	8.8	238	-0.8				59.2	158	0.2					
01/21/21	Thr	00:04:12	-66	0	7.1	277	54							10.8	281	0.2					
01/21/21	Thr	17:21:29	-6.3	249	54.7	146	61	9.2	238	-0.8				59.6	159	0.2					
01/22/21	Fri	00:04:28	-66	0	17.4	273	63							10.5	281	0.3					
01/22/21	Fri	17:22:43	-6.3	249	53.0	128	70	9.5	239	-0.7				59.9	160	0.3					
01/23/21	Sat	00:04:43	-65	360	27.6	269	72							10.3	282	0.3					
01/23/21	Sat	17:23:58	-6.3	249	48.7	112	78	9.8	240	-0.7				60.3	162	0.3					
01/24/21	Sun	00:04:58	-65	360	37.9	263	80							10.0	282	0.3					
01/24/21	Sun	17:25:13	-6.3	250	42.2	99	86	9.9	240	-0.6				60.6	163	0.3					
01/25/21	Mon	00:05:12	-65	0	47.9	256	87							9.7	283	0.3					
01/25/21	Mon	17:26:29	-6.3	250	34.2	88	92	9.9	241	-0.5				61.0	165	0.3					
01/26/21	Tue	00:05:25	-65	360	57.2	244	93							9.5	283	0.3					
01/26/21	Tue	17:27:46	-6.3	250	25.2	80	96	9.9	242	-0.3				61.3	166	0.3					
01/27/21	Wed	00:05:37	-64	0	64.8	224	97							9.2	283	0.4					
01/27/21	Wed	17:29:02	-6.3	251	15.3	73	99	9.6	243	-0.1				61.6	168	0.4					
01/28/21	Thr	00:05:49	-64	0	68.1	194	100							9.0	284	0.4					
01/28/21	Thr	17:30:19	-6.3	251	5.0	66	100	9.3	244	0.1				61.9	169	0.4					
01/29/21	Fri	00:05:59	-64	0	64.9	163	100							8.8	284	0.4					
01/29/21	Fri	17:31:36	-6.3	251	-6.0	60	98	8.8	245	0.3				62.1	171	0.4					
01/30/21	Sat	00:06:09	-64	0	56.7	142	97							8.5	285	0.4					
01/30/21	Sat	17:32:54	-6.3	252	-17.0	54	94	8.1	246	0.7				62.4	172	0.4					

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
01/31/21	Sun	00:06:18	-63	0	46.1	129	92							8.3	285	0.4						
01/31/21	Sun	17:34:11	-6.3	252	-27.9	46	87	7.2	248	1.1				62.6	174	0.4						
02/01/21	Mon	00:06:26	-63	0	34.5	121	85							8.1	286	0.4						
02/01/21	Mon	17:35:29	-6.3	253	-38.5	38	79	6.2	249	1.5				62.9	175	0.5						
02/02/21	Tue	00:06:34	-63	360	22.3	115	77							7.9	286	0.5						
02/02/21	Tue	17:36:48	-6.3	253	-48.3	26	69	5.0	250	2.1				63.1	177	0.5						
02/03/21	Wed	00:06:40	-62	360	10.0	110	66							7.7	287	0.5						
02/03/21	Wed	17:38:06	-6.3	253	-56.4	10	58	3.6	252	2.6				63.3	179	0.5						
02/04/21	Thr	00:06:46	-62	0	-1.8	105	55							7.5	287	0.5						
02/04/21	Thr	17:39:24	-6.3	254	-61.4	347	47							63.4	180	0.5						
02/05/21	Fri	00:06:51	-62	0	-14.7	100	44							7.3	288	0.5						
02/05/21	Fri	17:40:43	-6.3	254	-61.4	320	36							63.6	182	0.5						
02/06/21	Sat	00:06:56	-61	0	-26.7	95	33							7.1	288	0.5						
02/06/21	Sat	17:42:02	-6.3	255	-56.5	298	25							63.7	184	0.6						
02/07/21	Sun	00:06:59	-61	0	-38.3	88	23							6.9	288	0.6						
02/07/21	Sun	17:43:20	-6.3	255	-48.4	282	16							63.8	185	0.6						
02/08/21	Mon	00:07:02	-61	0	-49.1	78	14							6.7	289	0.6						
02/08/21	Mon	17:44:39	-6.3	256	-38.7	271	9							64.0	187	0.6						
02/09/21	Tue	00:07:04	-61	360	-58.4	63	7							6.5	289	0.6						
02/09/21	Tue	17:45:58	-6.3	256	-28.2	263	4							64.0	189	0.6						
02/10/21	Wed	00:07:05	-60	360	-64.8	40	3							6.3	290	0.6						
02/10/21	Wed	17:47:17	-6.3	256	-17.4	257	1							64.1	190	0.6						
02/11/21	Thr	00:07:05	-60	0	-66.0	11	0							6.2	290	0.6						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
02/11/21	Thr	17:48:35	-6.3	257	-6.5	251	0							64.2	192	0.6						
02/12/21	Fri	00:07:05	-60	0	-61.6	345	0							6.0	290	0.6						
02/12/21	Fri	17:49:54	-6.3	257	4.5	247	2							64.2	194	0.7						
02/13/21	Sat	00:07:04	-59	360	-54.0	328	3							5.8	291	0.7						
02/13/21	Sat	17:51:13	-6.3	258	15.0	242	5							64.2	195	0.7						
02/14/21	Sun	00:07:02	-59	360	-44.9	317	7							5.7	291	0.7						
02/14/21	Sun	17:52:31	-6.3	258	25.3	237	11							64.2	197	0.7						
02/15/21	Mon	00:06:59	-59	360	-35.2	309	12							5.5	292	0.7						
02/15/21	Mon	06:20:45	-6.3	101	-27.7	60	14	3.3	113	2.0												
02/15/21	Mon	17:53:50	-6.3	259	35.2	231	18							64.2	199	0.7						
02/16/21	Tue	00:06:56	-58	0	-25.3	303	19							5.4	292	0.7						
02/16/21	Tue	06:19:19	-6.3	101	-29.6	48	21	3.8	114	1.7												
02/16/21	Tue	17:55:08	-6.3	259	44.7	224	25							64.2	200	0.7						
02/17/21	Wed	00:06:52	-58	360	-15.3	298	28							5.2	292	0.7						
02/17/21	Wed	06:17:53	-6.3	100	-30.2	35	30	4.2	115	1.4										3.3	120	0.7
02/17/21	Wed	17:56:26	-6.3	260	53.3	214	34							64.1	202	0.7						
02/18/21	Thr	00:06:47	-57	360	-5.2	293	36							5.1	293	0.7						
02/18/21	Thr	06:16:25	-6.3	100	-29.6	22	39	4.6	116	1.2										3.6	121	0.7
02/18/21	Thr	17:57:44	-6.3	260	60.7	200	43							64.1	204	0.8						
02/18/21	Thr	17:57:44			Mars 3.9																	
02/19/21	Fri	00:06:41	-57	360	4.9	289	46							4.9	293	0.8						
02/19/21	Fri	00:06:41			Mars 4.3																	
02/19/21	Fri	06:14:56	-6.3	99	-28.0	9	48	4.9	116	1.0										3.9	121	0.7
02/19/21	Fri	06:14:56						Sat 4.7														
02/19/21	Fri	17:59:02	-6.3	261	65.5	178	53							64.0	205	0.8						
02/20/21	Sat	00:06:35	-57	360	14.8	284	55							4.8	293	0.8						
02/20/21	Sat	06:13:25	-6.3	99	-25.2	357	57	5.2	117	0.8										4.3	121	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
02/20/21	Sat	06:13:25																				
									Sat 4.4													
02/20/21	Sat	18:00:20	-6.3	261	66.0	151	62							63.9	207	0.8						
02/21/21	Sun	00:06:28	-56	360	24.7	278	64							4.6	294	0.8						
02/21/21	Sun	06:11:54	-6.3	98	-21.6	345	67	5.4	117	0.7									4.6	122	0.7	
02/21/21	Sun	06:11:54							Sat 4.2													
02/21/21	Sun	18:01:38	-6.3	262	61.9	127	71							63.8	208	0.8						
02/22/21	Mon	00:06:21	-56	0	34.5	272	73							4.5	294	0.8						
02/22/21	Mon	06:10:21	-6.3	98	-17.2	333	76	5.5	118	0.6									4.9	122	0.7	
02/22/21	Mon	06:10:21							Sat 4.1													
02/22/21	Mon	18:02:55	-6.3	262	54.3	111	80							63.7	210	0.8						
02/23/21	Tue	00:06:13	-56	0	44.0	262	82							4.4	295	0.8						
02/23/21	Tue	06:08:47	-6.3	97	-12.2	322	84	5.6	118	0.5									5.2	122	0.7	
02/23/21	Tue	06:08:47							Sat 4.1													
02/23/21	Tue	18:04:12	-6.3	263	44.9	100	87							63.6	211	0.8						
02/24/21	Wed	00:06:04	-55	360	52.7	249	89							4.2	295	0.8						
02/24/21	Wed	06:07:13	-6.3	97	-6.7	311	91	5.6	118	0.4									5.5	123	0.7	
02/24/21	Wed	06:07:13							Sat 4.1													
02/24/21	Wed	18:05:29	-6.3	263	34.2	92	93							63.4	213	0.9						
02/25/21	Thr	00:05:55	-55	0	59.2	230	95							4.1	295	0.9						
02/25/21	Thr	06:05:37	-6.3	96	-0.2	299	96	5.6	119	0.3									5.8	123	0.7	
02/25/21	Thr	06:05:37							Sat 4.3													
02/25/21	Thr	18:06:46	-6.3	264	22.8	86	98							63.3	214	0.9						
02/26/21	Fri	00:05:45	-55	360	61.6	204	98							4.0	296	0.9						
02/26/21	Fri	06:04:00	-6.3	96	5.3	287	99	5.6	119	0.3									6.1	123	0.7	
02/26/21	Fri	06:04:00							Sat 4.6													
02/26/21	Fri	18:08:03	-6.3	264	10.8	81	100							63.1	216	0.9						
02/27/21	Sat	00:05:34	-54	360	58.5	178	100							3.9	296	0.9						
02/27/21	Sat	06:02:22	-6.3	95	11.0	275	100	5.5	119	0.2							3.1	116	-2.0	6.4	124	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
02/27/21	Sat	06:02:22																				
02/27/21	Sat	18:09:20	-6.3	265	-1.1	77	99							62.9	217	0.9						
02/28/21	Sun	00:05:23	-54	0	50.9	158	99							3.8	296	0.9						
02/28/21	Sun	06:00:43	-6.3	95	16.2	262	98	5.5	119	0.2							3.3	117	-2.0	6.7	124	0.7
02/28/21	Sun	06:00:43																				
02/28/21	Sun	18:10:36	-6.3	265	-14.3	72	96							62.7	219	0.9						
03/01/21	Mon	00:05:12	-53	0	40.8	144	95							3.6	296	0.9						
03/01/21	Mon	05:59:04	-6.3	94	20.5	248	93	5.4	118	0.1							3.6	117	-2.0	7.0	124	0.7
03/01/21	Mon	05:59:04																				
03/01/21	Mon	18:11:52	-6.3	266	-26.8	68	90							62.5	220	0.9						
03/02/21	Tue	00:05:00	-53	0	29.4	134	88							3.5	297	0.9						
03/02/21	Tue	05:57:23	-6.3	94	23.6	233	86	5.2	118	0.1							3.9	117	-2.0	7.2	125	0.7
03/02/21	Tue	05:57:23																				
03/02/21	Tue	18:13:09	-6.3	267	-39.0	61	82							62.3	221	0.9						
03/03/21	Wed	00:04:47	-53	360	17.6	127	80							3.4	297	0.9						
03/03/21	Wed	05:55:42	-6.3	93	25.2	217	78	5.1	118	0.1							4.1	117	-2.0	7.5	125	0.7
03/03/21	Wed	05:55:42																				
03/03/21	Wed	18:14:25	-6.3	267	-50.6	53	72							62.1	223	1.0						
03/04/21	Thr	00:04:34	-52	360	5.8	120	70							3.3	297	1.0						
03/04/21	Thr	05:54:00	-6.3	93	25.2	202	67	4.9	118	0.1							4.4	117	-2.0	7.8	125	0.7
03/04/21	Thr	05:54:00																				
03/04/21	Thr	18:15:41	-6.3	268	-61.0	39	62							61.8	224	1.0						
03/05/21	Fri	00:04:21	-52	0	-6.2	113	59							3.2	298	1.0						
03/05/21	Fri	05:52:17	-6.3	92	23.7	187	56	4.7	117	0.1							4.6	118	-2.0	8.1	126	0.7
03/05/21	Fri	05:52:17																				
03/05/21	Fri	18:16:57	-6.3	268	-68.4	14	50							61.6	225	1.0						
03/06/21	Sat	00:04:07	-52	0	-17.6	107	48							3.1	298	1.0						
03/06/21	Sat	05:50:34	-6.3	92	20.9	172	45	4.6	117	0.1							4.9	118	-2.0	8.4	126	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
03/06/21	Sat	05:50:34																				
03/06/21	Sat	18:18:13	-6.3	269	-69.8	339	39							61.3	227	1.0						
03/07/21	Sun	05:48:50	-6.3	91	17.0	159	34	4.4	116	0.0							5.1	118	-2.0	8.6	126	0.7
03/07/21	Sun	05:48:50																				
03/07/21	Sun	18:19:29	-6.3	269	-64.5	310	29							61.1	228	1.0						
03/08/21	Mon	05:47:05	-6.3	91	12.5	146	24	4.2	116	0.0							5.4	118	-2.0	8.9	127	0.7
03/08/21	Mon	05:47:05																				
03/08/21	Mon	18:20:44	-6.3	270	-55.6	293	19							60.8	229	1.0						
03/09/21	Tue	05:45:19	-6.3	90	7.6	134	16	3.9	115	0.0							5.6	118	-2.0	9.2	127	0.7
03/09/21	Tue	05:45:19																				
03/09/21	Tue	18:22:00	-6.3	270	-45.4	283	12							60.5	230	1.0						
03/10/21	Wed	05:43:33	-6.3	89	2.6	123	9	3.7	115	0.0							5.9	119	-2.0	9.5	127	0.7
03/10/21	Wed	05:43:33																				
03/10/21	Wed	18:23:16	-6.3	271	-34.6	277	6							60.2	231	1.0						
03/11/21	Thr	05:41:47	-6.3	89	-2.1	111	4	3.5	114	0.0							6.1	119	-2.0	9.7	127	0.7
03/11/21	Thr	18:24:31	-6.3	271	-23.8	272	2							59.9	232	1.1						
03/12/21	Fri	05:39:59	-6.3	88	-7.7	100	1	3.3	113	0.0							6.4	119	-2.0	10.0	128	0.7
03/12/21	Fri	18:25:47	-6.3	272	-12.9	269	0							59.6	234	1.1						
03/13/21	Sat	05:38:12	-6.3	88	-12.2	89	0	3.1	113	0.0							6.6	119	-2.0	10.3	128	0.7
03/13/21	Sat	18:27:02	-6.3	273	-1.5	266	1							59.3	235	1.1						
03/14/21	Sun	05:36:24	-6.3	87	-16.1	77	1										6.9	119	-2.0	10.5	128	0.7
03/14/21	Sun	18:28:17	-6.3	273	8.7	262	3							59.0	236	1.1						
03/15/21	Mon	05:34:35	-6.3	87	-19.4	66	4										7.1	119	-2.0	10.8	129	0.8
03/15/21	Mon	18:29:33	-6.3	274	19.1	259	7							58.7	237	1.1						
03/16/21	Tue	05:32:46	-6.3	86	-21.9	54	9										7.4	120	-2.0	11.0	129	0.8

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
03/16/21	Tue	18:30:48	-6.3	274	29.4	255	12							58.4	238	1.1							
03/17/21	Wed	05:30:56	-6.3	86	-23.6	41	15											7.6	120	-2.0	11.3	129	0.8
03/17/21	Wed	18:32:03	-6.3	275	39.5	251	19							58.0	239	1.1							
03/18/21	Thr	05:29:07	-6.3	85	-24.4	29	22											7.8	120	-2.0	11.6	130	0.8
03/18/21	Thr	18:33:19	-6.3	275	49.2	244	27							57.7	240	1.2							
03/19/21	Fri	05:27:17	-6.3	84	-24.4	17	31											8.1	120	-2.0	11.8	130	0.8
03/19/21	Fri	18:34:34	-6.3	276	58.4	234	36							57.3	241	1.2							
03/19/21	Fri	18:34:34			Mars 3.6																		
03/20/21	Sat	05:25:26	-6.3	84	-23.4	4	40											8.3	120	-2.0	12.1	130	0.8
03/20/21	Sat	18:35:49	-6.3	276	66.2	218	45							57.0	242	1.2							
03/21/21	Sun	05:23:35	-6.3	83	-21.5	352	49											8.6	121	-2.0	12.3	131	0.8
03/21/21	Sun	18:37:04	-6.3	277	70.7	189	55							56.6	242	1.2							
03/22/21	Mon	05:21:45	-6.3	83	-18.9	340	59											8.8	121	-2.0	12.6	131	0.8
03/22/21	Mon	18:38:20	-6.3	278	69.2	156	64							56.3	243	1.2							
03/23/21	Tue	05:19:53	-6.3	82	-15.5	328	69											9.1	121	-2.0	12.8	131	0.8
03/23/21	Tue	18:39:35	-6.3	278	62.3	132	74							55.9	244	1.2							
03/24/21	Wed	05:18:02	-6.3	82	-11.5	316	78											9.3	121	-2.0	13.1	132	0.8
03/24/21	Wed	18:40:50	-6.3	279	52.5	118	83							55.5	245	1.2							
03/25/21	Thr	05:16:11	-6.3	81	-6.9	303	86											9.5	121	-2.0	13.3	132	0.8
03/25/21	Thr	18:42:06	-6.3	279	41.2	110	90							55.2	246	1.2							
03/26/21	Fri	05:14:19	-6.3	81	-1.3	291	93											9.8	122	-2.0	13.6	132	0.8
03/26/21	Fri	18:43:21	-6.3	280	29.0	104	96							54.8	247	1.2							
03/27/21	Sat	05:12:27	-6.3	80	3.4	278	98											10.0	122	-2.0	13.8	133	0.8

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
03/27/21	Sat	18:44:37	-6.3	280	16.2	99	99							54.4	248	1.3						
03/28/21	Sun	05:10:36	-6.3	79	8.3	265	100										10.3	122	-2.1	14.1	133	0.8
03/28/21	Sun	18:45:52	-6.3	281	3.3	95	100							54.0	248	1.3						
03/29/21	Mon	05:08:44	-6.3	79	12.8	251	99										10.5	122	-2.1	14.3	133	0.8
03/29/21	Mon	18:47:08	-6.3	281	-10.2	91	97							53.6	249	1.3						
03/30/21	Tue	05:06:52	-6.3	78	16.5	236	96										10.8	122	-2.1	14.5	134	0.8
03/30/21	Tue	18:48:24	-6.3	282	-23.3	87	92							53.2	250	1.3						
03/31/21	Wed	05:05:01	-6.3	78	19.2	221	89										11.0	123	-2.1	14.8	134	0.8
03/31/21	Wed	18:49:40	-6.3	283	-36.0	81	85							52.8	251	1.3						
04/01/21	Thr	05:03:09	-6.3	77	20.7	206	81										11.2	123	-2.1	15.0	134	0.8
04/01/21	Thr	18:50:56	-6.3	283	-48.1	74	75							52.4	251	1.3						
04/02/21	Fri	05:01:18	-6.3	77	20.9	191	71										11.5	123	-2.1	15.3	135	0.8
04/02/21	Fri	18:52:12	-6.3	284	-59.0	62	65							52.0	252	1.3						
04/03/21	Sat	04:59:26	-6.3	76	19.8	176	60										11.7	123	-2.1	15.5	135	0.8
04/03/21	Sat	18:53:28	-6.3	284	-67.4	41	54							51.6	253	1.3						
04/04/21	Sun	04:57:35	-6.3	76	17.7	162	49										12.0	124	-2.1	15.8	136	0.8
04/04/21	Sun	18:54:45	-6.3	285	-70.8	7	43							51.2	253	1.3						
04/05/21	Mon	04:55:44	-6.3	75	14.8	149	39										12.2	124	-2.1	16.0	136	0.8
04/05/21	Mon	18:56:02	-6.3	285	-67.2	335	33							50.8	254	1.3						
04/06/21	Tue	04:53:54	-6.3	74	11.4	137	29										12.5	124	-2.1	16.2	136	0.8
04/06/21	Tue	04:53:54			Sat 4.9																	
04/06/21	Tue	18:57:18	-6.3	286	-59.4	316	23							50.4	255	1.4						
04/07/21	Wed	04:52:03	-6.3	74	7.6	125	20										12.7	124	-2.1	16.5	137	0.8
04/07/21	Wed	18:58:36	-6.3	286	-49.9	305	15							50.0	255	1.4						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
04/08/21	Thr	04:50:13	-6.3	73	3.6	113	12										13.0	124	-2.1	16.7	137	0.8
04/08/21	Thr	18:59:53	-6.3	287	-39.9	298	9				49.5	256	1.4									
04/09/21	Fri	04:48:24	-6.3	73	-0.1	102	7										13.2	125	-2.1	16.9	137	0.8
04/09/21	Fri	19:01:10	-6.3	287	-29.6	293	4				49.1	257	1.4									
04/10/21	Sat	04:46:34	-6.3	72	-4.7	91	3										13.5	125	-2.1	17.2	138	0.8
04/10/21	Sat	19:02:28	-6.3	288	-19.3	289	1				48.7	257	1.4									
04/11/21	Sun	04:44:45	-6.3	72	-8.6	80	0										13.7	125	-2.1	17.4	138	0.8
04/11/21	Sun	19:03:46	-6.3	289	-9.0	285	0				48.2	258	1.4									
04/12/21	Mon	04:42:57	-6.3	71	-12.1	69	0										14.0	125	-2.1	17.7	139	0.8
04/12/21	Mon	19:05:03	-6.3	289	1.7	282	1				47.8	258	1.4									
04/13/21	Tue	04:41:09	-6.3	71	-15.1	57	2										14.2	126	-2.1	17.9	139	0.8
04/13/21	Tue	19:06:22	-6.3	290	11.6	278	4				47.4	259	1.4									
04/14/21	Wed	04:39:21	-6.3	70	-17.7	46	5										14.5	126	-2.1	18.1	139	0.7
04/14/21	Wed	19:07:40	-6.3	290	21.6	274	8				46.9	260	1.4									
04/15/21	Thr	04:37:34	-6.3	70	-19.6	34	10										14.8	126	-2.1	18.4	140	0.7
04/15/21	Thr	19:08:58	-6.3	291	31.6	270	14				46.5	260	1.4									
04/16/21	Fri	04:35:48	-6.3	69	-20.9	22	16										15.0	126	-2.1	18.6	140	0.7
04/16/21	Fri	19:10:17	-6.3	291	41.2	264	21				46.0	261	1.4									
04/17/21	Sat	04:34:02	-6.3	69	-21.4	10	24										15.3	127	-2.1	18.8	141	0.7
04/17/21	Sat	19:11:35	-6.3	292	50.5	256	29				45.6	261	1.5									
04/18/21	Sun	04:32:16	-6.3	68	-21.3	358	33										15.5	127	-2.1	19.1	141	0.7
04/18/21	Sun	19:12:54	-6.3	292	58.8	243	38				45.1	262	1.5									
04/19/21	Mon	04:30:32	-6.3	68	-20.3	345	42										15.8	127	-2.2	19.3	142	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
04/19/21	Mon	19:14:13	-6.3	293	65.0	222	48							44.7	262	1.5						
04/20/21	Tue	04:28:48	-6.3	67	-18.6	333	52										16.1	128	-2.2	19.5	142	0.7
04/20/21	Tue	19:15:32	-6.3	293	66.9	194	58							44.2	263	1.5						
04/21/21	Wed	04:27:05	-6.3	67	-16.1	320	62										16.3	128	-2.2	19.8	142	0.7
04/21/21	Wed	19:16:51	-6.3	294	63.1	166	69							43.8	263	1.5						
04/22/21	Thr	04:25:22	-6.3	66	-12.8	307	72										16.6	128	-2.2	20.0	143	0.7
04/22/21	Thr	19:18:10	-6.3	294	55.0	147	78							43.3	264	1.5						
04/23/21	Fri	04:23:41	-6.3	66	-9.0	295	82										16.9	129	-2.2	20.2	143	0.7
04/23/21	Fri	19:19:29	-6.3	295	44.6	135	87							42.8	264	1.5						
04/24/21	Sat	04:22:00	-6.3	65	-4.5	282	90										17.2	129	-2.2	20.4	144	0.7
04/24/21	Sat	19:20:48	-6.3	295	32.8	126	94							42.4	265	1.5						
04/25/21	Sun	04:20:21	-6.3	65	0.6	268	96										17.4	129	-2.2	20.7	144	0.7
04/25/21	Sun	19:22:07	-6.3	296	20.2	120	98							41.9	265	1.5						
04/26/21	Mon	04:18:42	-6.3	64	5.0	254	99										17.7	129	-2.2	20.9	145	0.7
04/26/21	Mon	19:23:26	-6.3	296	7.4	114	100							41.4	266	1.5						
04/27/21	Tue	04:17:04	-6.3	64	9.4	240	100										18.0	130	-2.2	21.1	145	0.7
04/27/21	Tue	19:24:45	-6.3	297	-5.8	108	99	3.5	292	-1.4				41.0	266	1.5						
04/28/21	Wed	04:15:27	-6.3	63	13.3	226	97										18.3	130	-2.2	21.4	146	0.7
04/28/21	Wed	19:26:04	-6.3	297	-18.5	103	94	4.4	292	-1.3				40.5	267	1.5						
04/29/21	Thr	04:13:51	-6.3	63	16.4	211	92										18.5	131	-2.2	21.6	146	0.7
04/29/21	Thr	19:27:24	-6.3	298	-30.7	96	87	5.3	293	-1.2				40.0	267	1.6						
04/30/21	Fri	04:12:16	-6.3	62	18.5	196	84										18.8	131	-2.2	21.8	147	0.7
04/30/21	Fri	19:28:43	-6.3	298	-41.9	87	79	6.2	293	-1.1				39.5	268	1.6						
05/01/21	Sat	04:10:43	-6.3	62	19.4	181	75										19.1	131	-2.2	22.0	147	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
05/01/21	Sat	19:30:02	-6.3	299	-51.7	75	69	7.0	293	-1.1				39.1	268	1.6						
05/02/21	Sun	04:09:11	-6.3	61	19.3	167	65										19.4	132	-2.2	22.3	148	0.7
05/02/21	Sun	19:31:21	-6.3	299	-59.3	58	58	7.8	293	-1.0				38.6	268	1.6						
05/03/21	Mon	04:07:39	-6.3	61	18.2	153	54										19.7	132	-2.2	22.5	148	0.7
05/03/21	Mon	19:32:39	-6.3	299	-63.2	34	47	8.6	293	-0.9				38.1	269	1.6						
05/04/21	Tue	04:06:10	-6.3	60	16.3	140	43										20.0	132	-2.2	22.7	149	0.7
05/04/21	Tue	19:33:58	-6.3	300	-62.3	9	37	9.3	293	-0.8				37.6	269	1.6						
05/05/21	Wed	04:04:41	-6.3	60	13.7	128	33										20.3	133	-2.2	22.9	149	0.7
05/05/21	Wed	19:35:16	-6.3	300	-57.5	348	27	9.9	293	-0.7				37.1	270	1.6						
05/06/21	Thr	04:03:14	-6.3	60	10.7	116	24										20.6	133	-2.3	23.2	150	0.7
05/06/21	Thr	19:36:35	-6.3	301	-50.3	334	19	10.5	293	-0.7	3.0	295	-3.9	36.6	270	1.6						
05/07/21	Fri	04:01:48	-6.3	59	7.4	105	16										20.9	134	-2.3	23.4	151	0.7
05/07/21	Fri	19:37:53	-6.3	301	-42.0	324	12	11.0	293	-0.6	3.2	295	-3.9	36.2	271	1.6						
05/08/21	Sat	04:00:24	-6.3	59	3.8	94	10										21.2	134	-2.3	23.6	151	0.7
05/08/21	Sat	19:39:10	-6.3	302	-33.1	316	6	11.4	293	-0.5	3.4	295	-3.9	35.7	271	1.6						
05/09/21	Sun	03:59:01	-6.3	58	0.4	83	5										21.5	134	-2.3	23.8	152	0.7
05/09/21	Sun	19:40:28	-6.3	302	-23.9	310	3	11.8	293	-0.4	3.6	295	-3.9	35.2	271	1.6						
05/10/21	Mon	03:57:39	-6.3	58	-3.6	72	2										21.8	135	-2.3	24.0	152	0.7
05/10/21	Mon	19:41:44	-6.3	302	-14.6	305	0	12.1	293	-0.3	3.8	296	-3.9	34.7	272	1.6						
05/11/21	Tue	03:56:20	-6.3	57	-7.6	62	0										22.1	135	-2.3	24.2	153	0.7
05/11/21	Tue	19:43:01	-6.3	303	-5.1	300	0	12.4	293	-0.2	3.9	296	-3.9	34.2	272	1.6						
05/12/21	Wed	03:55:01	-6.3	57	-11.1	51	0										22.4	136	-2.3	24.4	154	0.7
05/12/21	Wed	19:44:17	-6.3	303	4.5	295	2	12.6	293	-0.1	4.1	296	-3.9	33.7	272	1.6						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
05/12/21	Wed	19:44:17			Ven 1.6																		
05/13/21	Thr	03:53:45	-6.3	57	-14.3	40	2											22.7	136	-2.3	24.6	154	0.7
05/13/21	Thr	19:45:32	-6.3	304	13.7	289	5	12.7	293	0.0	4.3	296	-3.9	33.2	273	1.6							
05/13/21	Thr	19:45:32			Mer 3.7																		
05/14/21	Fri	03:52:30	-6.3	56	-17.1	29	6											23.0	137	-2.3	24.8	155	0.7
05/14/21	Fri	19:46:47	-6.3	304	22.8	283	10	12.7	293	0.1	4.5	296	-3.9	32.7	273	1.6							
05/15/21	Sat	03:51:17	-6.3	56	-19.4	17	12											23.3	137	-2.3	25.0	156	0.7
05/15/21	Sat	19:48:01	-6.3	304	31.6	276	16	12.7	293	0.2	4.6	297	-3.9	32.2	274	1.7							
05/15/21	Sat	19:48:01			Mars 1.9																		
05/16/21	Sun	03:50:05	-6.3	56	-21.2	5	19											23.6	138	-2.3	25.2	156	0.7
05/16/21	Sun	19:49:15	-6.3	305	39.9	266	24	12.6	293	0.3	4.8	297	-3.9	31.7	274	1.7							
05/17/21	Mon	03:48:56	-6.3	55	-22.2	352	27											23.9	138	-2.3	25.4	157	0.6
05/17/21	Mon	19:50:28	-6.3	305	47.3	254	33	12.5	293	0.4	5.0	297	-3.9	31.3	274	1.7							
05/18/21	Tue	03:47:48	-6.3	55	-22.5	340	36											24.2	139	-2.3	25.6	158	0.6
05/18/21	Tue	19:51:40	-6.3	305	52.9	238	43	12.2	293	0.6	5.1	297	-3.9	30.8	275	1.7							
05/19/21	Wed	03:46:42	-6.3	54	-21.9	327	46											24.5	140	-2.3	25.8	158	0.6
05/19/21	Wed	19:52:51	-6.3	306	55.6	218	54	11.9	294	0.7	5.3	297	-3.9	30.3	275	1.7							
05/20/21	Thr	03:45:38	-6.3	54	-20.3	313	57											24.9	140	-2.3	26.0	159	0.6
05/20/21	Thr	19:54:01	-6.3	306	54.5	196	64	11.6	294	0.8	5.4	297	-3.9	29.8	275	1.7							
05/21/21	Fri	03:44:36	-6.3	54	-17.8	300	68											25.2	141	-2.4	26.2	160	0.6
05/21/21	Fri	19:55:10	-6.3	306	49.5	177	75	11.2	294	1.0	5.6	297	-3.9	29.3	276	1.7							
05/22/21	Sat	03:43:36	-6.3	53	-14.4	287	78											25.5	141	-2.4	26.4	161	0.6
05/22/21	Sat	19:56:18	-6.3	307	41.6	161	84	10.7	295	1.1	5.7	297	-3.9	28.8	276	1.7							
05/23/21	Sun	03:42:38	-6.3	53	-10.1	273	87											25.8	142	-2.4	26.5	161	0.6

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn					
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag		
For observations near Journey Museum. All dates and times in MST.																								
05/31/21	Mon	23:50:43	-24	360	-8.0	107	61													3.8	119	0.6		
06/01/21	Tue	03:35:36	-6.3	51	23.5	149	59												28.6	148	-2.4	27.8	169	0.6
06/01/21	Tue	20:06:31	-6.3	309	-49.7	50	52		7.0	297	-3.8	24.0	279	1.7										
06/01/21	Tue	23:50:53	-24	360	-12.7	96	50														4.5	119	0.6	
06/02/21	Wed	03:35:01	-6.3	51	22.8	136	49												29.0	149	-2.4	27.9	170	0.6
06/02/21	Wed	20:07:24	-6.3	310	-50.2	32	42		7.1	297	-3.8	23.6	279	1.7										
06/02/21	Wed	23:51:02	-24	0	-16.8	84	40														5.1	120	0.6	
06/03/21	Thr	03:34:28	-6.3	50	21.1	124	39												29.3	150	-2.4	28.0	171	0.6
06/03/21	Thr	20:08:15	-6.3	310	-48.1	16	32		7.2	297	-3.8	23.1	279	1.7										
06/03/21	Thr	23:51:13	-24	0	-20.1	73	31														5.7	121	0.6	
06/04/21	Fri	03:33:57	-6.3	50	18.7	112	30												29.6	151	-2.5	28.1	172	0.6
06/04/21	Fri	20:09:05	-6.3	310	-43.9	1	24		7.3	297	-3.8	22.7	280	1.7										
06/04/21	Fri	23:51:23	-23	0	-22.7	61	22														6.3	122	0.6	
06/05/21	Sat	03:33:30	-6.3	50	15.6	100	21												29.9	152	-2.5	28.2	173	0.6
06/05/21	Sat	20:09:53	-6.3	310	-38.3	349	16		7.4	297	-3.8	22.2	280	1.8										
06/05/21	Sat	23:51:34	-23	360	-24.5	50	15														7.0	122	0.5	
06/06/21	Sun	03:33:04	-6.3	50	11.9	89	14												30.1	152	-2.5	28.3	174	0.5
06/06/21	Sun	20:10:39	-6.3	310	-31.7	338	10		7.5	297	-3.8	21.7	280	1.8										
06/06/21	Sun	23:51:45	-23	360	-25.4	38	9														7.6	123	0.5	
06/07/21	Mon	03:32:41	-6.3	50	7.8	79	8												30.4	153	-2.5	28.3	175	0.5
06/07/21	Mon	20:11:23	-6.3	310	-24.5	330	5		7.6	297	-3.8	21.3	280	1.8										
06/07/21	Mon	23:51:57	-23	360	-25.5	26	4														8.2	124	0.5	
06/08/21	Tue	03:32:21	-6.3	49	3.4	69	4												30.7	154	-2.5	28.4	176	0.5
06/08/21	Tue	20:12:05	-6.3	311	-16.9	321	2		7.7	297	-3.8	20.9	281	1.8										
06/08/21	Tue	23:52:08	-23	360	-24.7	14	1														8.8	125	0.5	
06/09/21	Wed	03:32:03	-6.3	49	-0.9	59	1												31.0	155	-2.5	28.4	177	0.5

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn					
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag		
For observations near Journey Museum. All dates and times in MST.																								
06/09/21	Wed	20:12:45	-6.3	311	-9.1	314	0				7.8	297	-3.8	20.4	281	1.8								
06/09/21	Wed	23:52:20	-23	0	-23.2	2	0													9.4	126	0.5		
06/10/21	Thr	03:31:48	-6.3	49	-6.4	49	0												31.3	156	-2.5	28.4	178	0.5
06/10/21	Thr	20:13:23	-6.3	311	-0.5	306	0				7.9	296	-3.8	20.0	281	1.8								
06/10/21	Thr	23:52:33	-23	360	-21.0	350	1													10.0	126	0.5		
06/11/21	Fri	03:31:35	-6.3	49	-11.2	39	1												31.5	157	-2.5	28.4	179	0.5
06/11/21	Fri	20:13:59	-6.3	311	7.0	298	3				7.9	296	-3.8	19.5	281	1.8								
06/11/21	Fri	20:13:59			Ven 2.4																			
06/11/21	Fri	23:52:45	-23	0	-18.3	339	3												3.6	110	-2.5	10.6	127	0.5
06/12/21	Sat	03:31:25	-6.3	49	-15.9	28	4												31.8	158	-2.5	28.4	180	0.5
06/12/21	Sat	20:14:32	-6.3	311	14.6	290	7				8.0	296	-3.8	19.1	281	1.8								
06/12/21	Sat	23:52:58	-23	360	-15.0	328	8												4.2	110	-2.5	11.2	128	0.5
06/13/21	Sun	03:31:17	-6.3	49	-20.3	17	8												32.0	159	-2.5	28.4	181	0.5
06/13/21	Sun	20:15:03	-6.3	311	22.0	281	13				8.1	296	-3.8	18.7	282	1.8								
06/13/21	Sun	20:15:03			Mars 3.4																			
06/13/21	Sun	23:53:10	-23	0	-11.3	317	14												4.9	111	-2.5	11.8	129	0.5
06/14/21	Mon	03:31:12	-6.3	49	-24.1	5	15												32.3	160	-2.5	28.4	182	0.5
06/14/21	Mon	20:15:32	-6.3	311	28.8	270	20				8.1	296	-3.8	18.3	282	1.8								
06/14/21	Mon	23:53:23	-23	360	-7.3	305	21												5.6	112	-2.5	12.4	130	0.5
06/15/21	Tue	03:31:10	-6.3	49	-27.3	353	23												32.5	161	-2.5	28.4	183	0.5
06/15/21	Tue	20:15:59	-6.3	311	34.5	258	29				8.2	295	-3.8	17.9	282	1.8								
06/15/21	Tue	23:53:36	-23	0	-2.6	294	30												6.2	113	-2.5	13.0	131	0.5
06/16/21	Wed	03:31:10	-6.3	49	-29.5	340	32												32.7	162	-2.5	28.3	184	0.5
06/16/21	Wed	20:16:23	-6.3	311	38.9	244	39				8.3	295	-3.8	17.5	282	1.8								
06/16/21	Wed	23:53:49	-23	360	1.5	283	41												6.9	113	-2.5	13.5	132	0.5
06/17/21	Thr	03:31:12	-6.3	49	-30.5	326	42												32.9	164	-2.5	28.2	185	0.5
06/17/21	Thr	20:16:45	-6.3	311	41.2	227	50				8.3	295	-3.8	17.1	282	1.8								

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
06/17/21	Thr	23:54:02	-23	360	5.5	271	52										7.6	114	-2.6	14.1	132	0.5
06/18/21	Fri	03:31:17	-6.3	49	-30.0	311	53										33.1	165	-2.6	28.1	186	0.5
06/18/21	Fri	20:17:04	-6.3	311	41.0	210	61		8.4	295	-3.8	16.7	283	1.8								
06/18/21	Fri	23:54:15	-23	0	9.5	259	63										8.2	115	-2.6	14.6	133	0.5
06/19/21	Sat	03:31:25	-6.3	49	-28.0	296	64										33.3	166	-2.6	28.0	187	0.5
06/19/21	Sat	20:17:21	-6.3	311	38.2	193	72		8.4	294	-3.8	16.3	283	1.8								
06/19/21	Sat	23:54:28	-23	0	13.1	245	73										8.9	116	-2.6	15.2	134	0.5
06/20/21	Sun	03:31:35	-6.3	49	-24.4	282	75										33.5	167	-2.6	27.9	189	0.5
06/20/21	Sun	20:17:35	-6.3	311	33.1	178	82		8.5	294	-3.8	15.9	283	1.8								
06/20/21	Sun	23:54:41	-23	0	16.1	232	83										9.6	116	-2.6	15.7	135	0.5
06/21/21	Mon	03:31:48	-6.3	49	-19.4	269	84										33.6	168	-2.6	27.8	190	0.5
06/21/21	Mon	20:17:47	-6.3	311	26.2	164	90		8.5	294	-3.8	15.5	283	1.8								
06/21/21	Mon	23:54:54	-23	0	18.4	217	91										10.2	117	-2.6	16.3	136	0.4
06/22/21	Tue	03:32:02	-6.3	49	-13.3	256	92										33.7	170	-2.6	27.6	191	0.4
06/22/21	Tue	20:17:56	-6.3	311	18.0	151	96		8.6	293	-3.8	15.1	283	1.8								
06/22/21	Tue	23:55:07	-23	0	19.7	202	97										10.9	118	-2.6	16.8	137	0.4
06/23/21	Wed	03:32:20	-6.3	49	-6.4	243	97										33.9	171	-2.6	27.4	192	0.4
06/23/21	Wed	20:18:03	-6.3	311	9.3	140	99		8.6	293	-3.8	14.7	283	1.8								
06/23/21	Wed	23:55:20	-23	360	19.9	187	100										11.5	119	-2.6	17.3	138	0.4
06/24/21	Thr	03:32:40	-6.3	49	1.4	231	100										34.0	172	-2.6	27.3	193	0.4
06/24/21	Thr	20:18:07	-6.3	311	0.8	129	100		8.6	293	-3.8	14.4	283	1.8								
06/24/21	Thr	23:55:33	-23	360	19.0	172	100										12.2	120	-2.6	17.8	139	0.4
06/25/21	Fri	03:33:02	-6.3	49	8.6	220	99										34.1	173	-2.6	27.0	194	0.4
06/25/21	Fri	20:18:08	-6.3	311	-8.4	118	97		8.7	292	-3.8	14.0	283	1.8								
06/25/21	Fri	23:55:45	-23	360	17.2	158	97										12.8	120	-2.6	18.3	140	0.4
06/26/21	Sat	03:33:26	-6.3	49	15.6	208	96										34.1	175	-2.6	26.8	196	0.4

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/04/21	Sun	23:57:29	-23	0	-12.1	54	20									18.3	128	-2.7	22.2	149	0.4	
07/05/21	Mon	03:38:44	-6.3	50	24.7	91	19	6.1	67	0.3						33.9	187	-2.7	23.9	206	0.4	
07/05/21	Mon	20:16:01	-6.3	310	-26.7	351	14				8.9	288	-3.9	10.7	284	1.8						
07/05/21	Mon	20:16:01									Mars 4.4											
07/05/21	Mon	23:57:39	-23	360	-14.8	43	13									18.9	129	-2.7	22.6	150	0.4	
07/06/21	Tue	03:39:29	-6.3	50	19.3	81	12	6.4	67	0.1						33.8	188	-2.7	23.5	208	0.4	
07/06/21	Tue	20:15:34	-6.3	310	-21.7	340	8				8.9	288	-3.9	10.4	284	1.8						
07/06/21	Tue	20:15:34									Mars 3.8											
07/06/21	Tue	23:57:49	-23	0	-17.2	32	7									19.5	130	-2.7	23.0	151	0.3	
07/07/21	Wed	03:40:17	-6.3	50	13.3	71	6	6.6	67	0.0						33.6	190	-2.7	23.0	209	0.3	
07/07/21	Wed	20:15:04	-6.3	310	-16.1	330	4				8.9	287	-3.9	10.1	284	1.8						
07/07/21	Wed	20:15:04									Mars 3.2											
07/07/21	Wed	23:57:59	-24	360	-19.2	21	3									20.1	131	-2.7	23.3	152	0.3	
07/08/21	Thr	03:41:06	-6.3	50	6.7	62	3	6.7	67	-0.1						33.4	191	-2.7	22.6	210	0.3	
07/08/21	Thr	03:41:06			Mer 4.8																	
07/08/21	Thr	20:14:33	-6.3	310	-10.2	320	1				8.9	287	-3.9	9.8	284	1.8						
07/08/21	Thr	20:14:33									Mars 2.6											
07/08/21	Thr	23:58:08	-24	0	-20.7	9	1									20.6	132	-2.7	23.7	153	0.3	
07/09/21	Fri	03:41:56	-6.3	50	0.1	54	0	6.8	67	-0.2						33.2	193	-2.7	22.1	211	0.3	
07/09/21	Fri	20:13:58	-6.3	309	-3.6	310	0				8.9	286	-3.9	9.5	284	1.8						
07/09/21	Fri	20:13:58									Mars 2.1											
07/09/21	Fri	23:58:17	-24	0	-21.6	357	0									21.2	133	-2.7	24.0	154	0.3	
07/10/21	Sat	03:42:49	-6.3	51	-7.8	45	0	6.9	66	-0.3						33.0	194	-2.7	21.6	212	0.3	
07/10/21	Sat	20:13:21	-6.3	309	2.7	300	1				8.9	286	-3.9	9.2	284	1.8						
07/10/21	Sat	20:13:21									Mars 1.5											
07/10/21	Sat	23:58:25	-24	0	-21.8	344	2									21.7	134	-2.7	24.3	155	0.3	
07/11/21	Sun	03:43:43	-6.3	51	-15.2	36	2	6.9	66	-0.4						32.7	196	-2.7	21.1	214	0.3	
07/11/21	Sun	20:12:42	-6.3	309	8.8	290	5				8.9	285	-3.9	8.9	284	1.8						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/11/21	Sun	20:12:42			Ven 4.9						Mars 1.0											
07/11/21	Sun	23:58:33	-24	360	-21.3	332	5									22.2	135	-2.7	24.6	156	0.3	
07/12/21	Mon	03:44:38	-6.3	51	-22.5	27	6	6.8	66	-0.5						32.4	197	-2.7	20.6	215	0.3	
07/12/21	Mon	20:12:01	-6.3	309	14.6	279	10				8.9	285	-3.9	8.7	284	1.8						
07/12/21	Mon	20:12:01									Mars 0.5											
07/12/21	Mon	23:58:40	-24	0	-20.1	319	11									22.8	136	-2.7	24.9	157	0.3	
07/13/21	Tue	03:45:35	-6.3	51	-29.5	16	12	6.7	65	-0.5						32.1	198	-2.7	20.0	216	0.3	
07/13/21	Tue	20:11:17	-6.3	308	19.9	267	17				8.9	284	-3.9	8.4	284	1.8						
07/13/21	Tue	20:11:17									Mars 0.6											
07/13/21	Tue	23:58:47	-24	0	-18.0	306	18									23.3	137	-2.7	25.2	159	0.3	
07/14/21	Wed	03:46:33	-6.3	52	-35.8	4	20	6.5	65	-0.6						31.8	200	-2.7	19.4	217	0.3	
07/14/21	Wed	20:10:30	-6.3	308	24.4	255	26				8.9	283	-3.9	8.1	284	1.8						
07/14/21	Wed	20:10:30									Mars 1.0											
07/14/21	Wed	23:58:53	-25	360	-15.2	294	27									23.8	138	-2.7	25.4	160	0.3	
07/15/21	Thr	03:47:32	-6.3	52	-40.8	350	29	6.3	64	-0.7						31.4	201	-2.7	18.8	218	0.3	
07/15/21	Thr	20:09:42	-6.3	308	27.7	241	36				8.9	283	-3.9	7.9	284	1.8						
07/15/21	Thr	20:09:42									Mars 1.6											
07/15/21	Thr	23:58:59	-25	360	-11.8	281	38									24.3	139	-2.7	25.7	161	0.3	
07/16/21	Fri	03:48:33	-6.3	52	-44.0	334	39	6.0	64	-0.8						31.0	203	-2.7	18.2	219	0.3	
07/16/21	Fri	20:08:51	-6.3	308	29.6	226	47				8.9	282	-3.9	7.6	284	1.8						
07/16/21	Fri	20:08:51									Mars 2.1											
07/16/21	Fri	23:59:04	-25	0	-7.8	269	49									24.7	140	-2.8	25.9	162	0.3	
07/17/21	Sat	03:49:35	-6.3	52	-44.7	316	50	5.7	63	-0.9						30.6	204	-2.8	17.6	221	0.3	
07/17/21	Sat	20:07:58	-6.3	307	29.7	210	58				8.9	282	-3.9	7.4	284	1.8						
07/17/21	Sat	20:07:58									Mars 2.7											
07/17/21	Sat	23:59:09	-25	0	-2.8	256	60									25.2	141	-2.8	26.1	163	0.3	
07/18/21	Sun	03:50:38	-6.3	53	-42.7	298	62	5.3	63	-1.0						30.2	206	-2.8	17.0	222	0.3	
07/18/21	Sun	20:07:03	-6.3	307	28.1	195	69				8.9	281	-3.9	7.1	284	1.8						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
07/18/21	Sun	20:07:03																					
											Mars 3.2												
07/18/21	Sun	23:59:13	-25	0	1.9	244	71											25.6	142	-2.8	26.3	164	0.3
07/19/21	Mon	03:51:42	-6.3	53	-38.0	282	73	4.9	62	-1.0								29.7	207	-2.8	16.3	223	0.3
07/19/21	Mon	20:06:05	-6.3	307	24.7	180	79				8.9	281	-3.9	6.9	284	1.8							
07/19/21	Mon	20:06:05									Mars 3.8												
07/19/21	Mon	23:59:16	-25	360	6.5	231	81											26.1	143	-2.8	26.5	165	0.3
07/20/21	Tue	03:52:47	-6.3	53	-31.2	268	82	4.4	62	-1.1								29.3	208	-2.8	15.7	224	0.3
07/20/21	Tue	20:05:05	-6.3	306	20.0	165	88				8.9	280	-3.9	6.6	284	1.8							
07/20/21	Tue	20:05:05									Mars 4.4												
07/20/21	Tue	23:59:19	-26	360	11.2	218	89											26.5	144	-2.8	26.7	166	0.3
07/21/21	Wed	03:53:53	-6.3	54	-22.9	257	90	3.8	61	-1.2								28.7	210	-2.8	15.0	225	0.3
07/21/21	Wed	20:04:04	-6.3	306	14.3	152	95				8.9	279	-3.9	6.4	284	1.8							
07/21/21	Wed	20:04:04									Mars 5.0												
07/21/21	Wed	23:59:21	-26	360	15.4	205	95											26.9	145	-2.8	26.8	167	0.3
07/22/21	Thr	03:55:00	-6.3	54	-13.6	246	96	3.2	61	-1.3								28.2	211	-2.8	14.3	226	0.3
07/22/21	Thr	20:03:00	-6.3	306	8.1	139	99				8.9	279	-3.9	6.2	284	1.8							
07/22/21	Thr	23:59:23	-26	360	19.0	191	99											27.3	147	-2.8	27.0	169	0.2
07/23/21	Fri	03:56:08	-6.3	54	-3.5	237	99											27.7	213	-2.8	13.6	227	0.2
07/23/21	Fri	20:01:54	-6.3	305	1.8	127	100				8.9	278	-3.9	6.0	284	1.8							
07/23/21	Fri	23:59:24	-26	360	21.7	176	100											27.7	148	-2.8	27.1	170	0.2
07/24/21	Sat	03:57:17	-6.3	55	6.3	228	100											27.1	214	-2.8	12.8	228	0.2
07/24/21	Sat	20:00:47	-6.3	305	-4.8	115	98				8.9	278	-3.9	5.7	283	1.8							
07/24/21	Sat	23:59:25	-26	0	23.2	162	98											28.1	149	-2.8	27.2	171	0.2
07/25/21	Sun	03:58:26	-6.3	55	15.9	220	97											26.5	215	-2.8	12.1	229	0.2
07/25/21	Sun	19:59:37	-6.3	305	-10.8	103	95				8.9	277	-3.9	5.5	283	1.8							
07/25/21	Sun	23:59:25	-27	360	23.6	148	94											28.4	150	-2.8	27.3	172	0.2
07/26/21	Mon	03:59:36	-6.3	55	25.1	210	93											25.9	217	-2.8	11.3	230	0.2

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/26/21	Mon	19:58:26	-6.3	304	-16.0	91	89				8.9	276	-3.9	5.3	283	1.8				3.0	119	0.2
07/26/21	Mon	23:59:25	-27	360	22.8	134	88										28.8	151	-2.8	27.4	173	0.2
07/27/21	Tue	04:00:47	-6.3	56	33.5	200	87										25.3	218	-2.8	10.6	231	0.2
07/27/21	Tue	19:57:13	-6.3	304	-20.4	79	81				8.9	276	-3.9	5.1	283	1.8				3.5	120	0.2
07/27/21	Tue	23:59:23	-27	0	21.0	121	80										29.1	152	-2.8	27.4	174	0.2
07/28/21	Wed	04:01:58	-6.3	56	40.8	188	79										24.6	219	-2.8	9.8	232	0.2
07/28/21	Wed	19:55:58	-6.3	304	-23.8	67	73				8.9	275	-3.9	4.9	283	1.8				3.9	120	0.2
07/28/21	Wed	23:59:22	-27	0	18.4	109	71										29.4	153	-2.8	27.5	175	0.2
07/29/21	Thr	04:03:10	-6.3	56	46.5	174	70										23.9	221	-2.8	9.0	233	0.2
07/29/21	Thr	19:54:41	-6.3	303	-26.1	54	64				8.9	274	-3.9	4.7	283	1.8				4.3	121	0.2
07/29/21	Thr	23:59:19	-28	360	15.1	98	62										29.7	154	-2.8	27.5	176	0.2
07/30/21	Fri	04:04:23	-6.3	57	50.0	158	61										23.2	222	-2.8	8.2	234	0.2
07/30/21	Fri	19:53:23	-6.3	303	-27.4	41	54				8.9	274	-3.9	4.5	283	1.8				4.8	121	0.2
07/30/21	Fri	23:59:16	-28	360	11.3	87	53										30.0	156	-2.8	27.5	178	0.2
07/31/21	Sat	04:05:36	-6.3	57	51.1	141	51										22.5	223	-2.8	7.4	235	0.2
07/31/21	Sat	19:52:03	-6.3	303	-27.6	29	45				8.9	273	-3.9	4.3	283	1.8				5.2	122	0.2
07/31/21	Sat	23:59:13	-28	360	7.1	76	43										30.3	157	-2.8	27.5	179	0.2
08/01/21	Sun	04:06:49	-6.3	58	49.4	124	42										21.8	224	-2.8	6.6	236	0.2
08/01/21	Sun	19:50:42	-6.3	302	-26.7	16	35				8.9	272	-3.9	4.1	283	1.8				5.6	122	0.2
08/01/21	Sun	23:59:09	-28	360	2.7	66	34										30.6	158	-2.8	27.5	180	0.2
08/02/21	Mon	04:08:03	-6.3	58	45.4	109	32										21.0	226	-2.8	5.7	237	0.2
08/02/21	Mon	19:49:19	-6.3	302	-24.9	4	27				8.9	272	-3.9	4.0	282	1.8				6.0	123	0.2
08/02/21	Mon	23:59:04	-29	360	-1.7	57	25										30.8	159	-2.8	27.5	181	0.2
08/03/21	Tue	04:09:17	-6.3	58	39.7	97	24										20.3	227	-2.8	4.9	238	0.2
08/03/21	Tue	19:47:54	-6.3	301	-22.2	352	19				8.8	271	-3.9	3.8	282	1.8				6.4	123	0.2
08/03/21	Tue	23:58:59	-29	360	-7.3	47	17										31.0	160	-2.8	27.4	182	0.2
08/04/21	Wed	04:10:31	-6.3	59	32.5	86	16										19.5	228	-2.8	4.1	239	0.2

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/04/21	Wed	19:46:28	-6.3	301	-18.8	340	12				8.8	270	-3.9	3.6	282	1.8				6.8	124	0.2
08/04/21	Wed	23:58:53	-29	360	-12.2	36	11										31.2	162	-2.8	27.4	183	0.2
08/05/21	Thr	04:11:46	-6.3	59	24.4	78	10										18.7	229	-2.8	3.2	240	0.2
08/05/21	Thr	19:45:01	-6.3	300	-14.7	329	6				8.8	270	-3.9	3.4	282	1.8				7.2	124	0.2
08/05/21	Thr	23:58:46	-29	0	-17.0	26	5										31.4	163	-2.8	27.3	184	0.2
08/06/21	Fri	04:13:01	-6.3	60	15.6	70	5										17.9	230	-2.8			
08/06/21	Fri	19:43:32	-6.3	300	-10.2	318	2				8.8	269	-3.9	3.3	282	1.8				7.6	125	0.2
08/06/21	Fri	23:58:39	-30	0	-21.4	14	2										31.6	164	-2.8	27.2	185	0.2
08/07/21	Sat	04:14:16	-6.3	60	6.3	64	1										17.1	231	-2.8			
08/07/21	Sat	19:42:02	-6.3	300	-5.2	306	0				8.8	268	-3.9	3.1	282	1.8				7.9	126	0.2
08/07/21	Sat	23:58:32	-30	360	-25.4	2	0										31.8	165	-2.9	27.1	186	0.2
08/08/21	Sun	04:15:31	-6.3	61	-3.3	57	0										16.2	233	-2.9			
08/08/21	Sun	19:40:30	-6.3	299	0.4	295	1				8.8	268	-3.9							8.3	126	0.2
08/08/21	Sun	23:58:24	-30	0	-28.5	349	1										31.9	166	-2.9	27.0	187	0.2
08/09/21	Mon	04:16:47	-6.3	61	-13.7	51	1										15.4	234	-2.9			
08/09/21	Mon	19:38:58	-6.3	299	5.1	283	3				8.8	267	-3.9							8.7	127	0.2
08/09/21	Mon	23:58:15	-31	360	-30.4	335	4										32.0	168	-2.9	26.9	189	0.2
08/10/21	Tue	04:18:02	-6.3	61	-23.8	44	4										14.5	235	-2.9			
08/10/21	Tue	19:37:24	-6.3	298	10.0	271	7				8.8	266	-3.9							9.1	127	0.2
08/10/21	Tue	23:58:05	-31	360	-31.0	320	9										32.1	169	-2.9	26.8	190	0.2
08/11/21	Wed	04:19:18	-6.3	62	-33.8	36	10										13.6	236	-2.9			
08/11/21	Wed	19:35:49	-6.3	298	14.4	259	14				8.8	265	-3.9							9.4	128	0.2
08/11/21	Wed	23:57:55	-31	360	-29.9	306	16										32.2	170	-2.9	26.6	191	0.2
08/12/21	Thr	04:20:33	-6.3	62	-43.2	25	17										12.8	237	-2.9			
08/12/21	Thr	19:34:13	-6.3	297	18.1	245	23				8.8	265	-3.9							9.8	128	0.2
08/12/21	Thr	23:57:45	-31	360	-27.4	291	25										32.3	171	-2.9	26.5	192	0.2

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/13/21	Fri	04:21:49	-6.3	63	-51.5	11	26										11.9	238	-2.9			
08/13/21	Fri	19:32:35	-6.3	297	20.8	231	33		8.8	264	-4.0									10.1	129	0.2
08/13/21	Fri	23:57:34	-32	0	-23.3	278	35										32.4	173	-2.9	26.3	193	0.2
08/14/21	Sat	04:23:04	-6.3	63	-57.5	352	37										10.9	239	-2.9			
08/14/21	Sat	19:30:57	-6.3	296	22.4	217	44		8.8	263	-4.0						3.3	112	-2.9	10.5	129	0.2
08/14/21	Sat	23:57:22	-32	0	-18.1	265	46										32.4	174	-2.9	26.1	194	0.2
08/15/21	Sun	04:24:20	-6.3	64	-59.5	328	48										10.0	240	-2.9			
08/15/21	Sun	19:29:17	-6.3	296	22.8	202	55		8.7	263	-4.0						3.7	112	-2.9	10.8	130	0.2
08/15/21	Sun	23:57:10	-32	360	-12.0	252	58										32.4	175	-2.9	25.9	195	0.2
08/16/21	Mon	04:25:35	-6.3	64	-56.7	304	60										9.1	241	-2.9			
08/16/21	Mon	19:27:37	-6.3	295	21.7	187	67		8.7	262	-4.0						4.1	113	-2.9	11.1	130	0.2
08/16/21	Mon	23:56:57	-33	0	-5.1	241	69										32.4	176	-2.9	25.7	196	0.2
08/17/21	Tue	04:26:51	-6.3	65	-50.1	285	71										8.2	242	-2.9			
08/17/21	Tue	19:25:56	-6.3	295	19.5	173	77		8.7	261	-4.0						4.5	113	-2.9	11.5	131	0.2
08/17/21	Tue	23:56:44	-33	360	2.3	229	79										32.4	177	-2.9	25.5	197	0.2
08/18/21	Wed	04:28:06	-6.3	65	-41.0	272	81										7.3	243	-2.9			
08/18/21	Wed	19:24:13	-6.3	294	16.2	158	86		8.7	260	-4.0						4.9	114	-2.9	11.8	131	0.2
08/18/21	Wed	23:56:30	-33	0	9.3	218	87										32.4	179	-2.9	25.2	198	0.2
08/19/21	Thr	04:29:21	-6.3	66	-30.7	262	89										6.3	244	-2.9			
08/19/21	Thr	19:22:30	-6.3	294	12.1	145	93		8.7	260	-4.0						5.3	115	-2.9	12.1	132	0.2
08/19/21	Thr	23:56:16	-34	0	16.2	206	94										32.4	180	-2.9	25.0	199	0.2
08/20/21	Fri	04:30:36	-6.3	66	-19.8	255	95										5.4	245	-2.9			
08/20/21	Fri	19:20:46	-6.3	293	7.6	132	97		8.7	259	-4.0						5.7	115	-2.9	12.4	132	0.2
08/20/21	Fri	19:20:46			Sat 4.9																	
08/20/21	Fri	23:56:01	-34	360	22.5	194	98										32.3	181	-2.9	24.7	200	0.2
08/21/21	Sat	04:31:51	-6.3	67	-8.6	249	99										4.4	246	-2.9			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/21/21	Sat	19:19:01	-6.3	293	2.9	120	100				8.7	258	-4.0				6.1	116	-2.9	12.7	133	0.2
08/21/21	Sat	23:55:46	-34	360	27.9	181	100										32.3	182	-2.9	24.5	201	0.2
08/21/21	Sat	23:55:46			Jup 4.6																	
08/22/21	Sun	04:33:05	-6.3	67	3.0	243	100										3.5	247	-2.9			
08/22/21	Sun	19:17:16	-6.3	292	-1.6	107	99				8.7	257	-4.0				6.5	116	-2.9	13.0	133	0.2
08/22/21	Sun	23:55:30	-35	360	31.9	167	99										32.2	183	-2.9	24.2	202	0.3
08/23/21	Mon	19:15:30	-6.3	292	-6.9	96	97				8.7	257	-4.0				6.9	117	-2.9	13.3	134	0.3
08/23/21	Mon	23:55:14	-35	0	34.3	152	96										32.1	185	-2.9	23.9	203	0.3
08/24/21	Tue	19:13:43	-6.3	291	-11.1	84	92				8.7	256	-4.0				7.3	117	-2.9	13.6	134	0.3
08/24/21	Tue	23:54:58	-35	0	34.9	138	91										32.0	186	-2.9	23.6	204	0.3
08/25/21	Wed	19:11:55	-6.3	291	-14.7	72	86				8.7	255	-4.0				7.6	118	-2.9	13.9	135	0.3
08/25/21	Wed	23:54:41	-36	0	33.8	123	85										31.8	187	-2.9	23.3	205	0.3
08/26/21	Thr	19:10:07	-6.3	290	-17.7	60	79				8.7	254	-4.0				8.0	118	-2.9	14.2	135	0.3
08/26/21	Thr	23:54:24	-36	360	31.1	110	77										31.7	188	-2.9	23.0	206	0.3
08/27/21	Fri	19:08:18	-6.3	290	-20.0	48	71				8.7	254	-4.0				8.4	119	-2.9	14.5	136	0.3
08/27/21	Fri	23:54:06	-36	0	27.2	98	69										31.5	189	-2.9	22.7	207	0.3
08/28/21	Sat	19:06:29	-6.3	289	-21.6	36	62				8.7	253	-4.0				8.8	119	-2.9	14.8	136	0.3
08/28/21	Sat	23:53:48	-37	0	22.2	87	60										31.4	191	-2.9	22.3	208	0.3
08/29/21	Sun	19:04:39	-6.3	289	-22.3	24	52				8.7	252	-4.0				9.1	120	-2.9	15.0	137	0.3
08/29/21	Sun	23:53:30	-37	0	16.6	77	50										31.2	192	-2.9	22.0	209	0.3
08/30/21	Mon	19:02:49	-6.3	288	-22.3	12	43				8.7	252	-4.0				9.5	120	-2.9	15.3	137	0.3
08/30/21	Mon	23:53:11	-37	360	10.3	67	41										31.0	193	-2.9	21.6	209	0.3
08/31/21	Tue	19:00:58	-6.3	288	-21.5	359	33				8.7	251	-4.0				9.9	121	-2.9	15.6	138	0.3
08/31/21	Tue	23:52:52	-38	0	3.7	58	32										30.8	194	-2.9	21.3	210	0.3

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/01/21	Wed	18:59:07	-6.3	287	-19.9	347	25				8.7	250	-4.0				10.2	121	-2.9	15.8	138	0.3
09/01/21	Wed	23:52:33	-38	360	-3.3	49	23										30.5	195	-2.9	20.9	211	0.3
09/02/21	Thr	18:57:16	-6.3	287	-17.5	335	17				8.7	249	-4.0				10.6	122	-2.8	16.1	139	0.3
09/02/21	Thr	23:52:13	-39	0	-10.9	40	15										30.3	196	-2.8	20.5	212	0.3
09/03/21	Fri	18:55:24	-6.3	286	-14.5	323	10				8.7	249	-4.1				10.9	122	-2.8	16.4	139	0.3
09/03/21	Fri	23:51:54	-39	360	-18.2	31	9										30.1	197	-2.8	20.1	213	0.3
09/04/21	Sat	18:53:32	-6.3	286	-10.9	311	5				8.7	248	-4.1				11.3	123	-2.8	16.6	140	0.3
09/04/21	Sat	23:51:34	-39	360	-25.3	20	4										29.8	198	-2.8	19.7	214	0.3
09/05/21	Sun	18:51:39	-6.3	285	-6.9	298	1				8.7	247	-4.1				11.6	123	-2.8	16.9	140	0.3
09/05/21	Sun	23:51:14	-40	0	-31.8	8	1										29.5	199	-2.8	19.3	215	0.3
09/06/21	Mon	18:49:47	-6.3	285	-1.8	286	0				8.7	246	-4.1				12.0	124	-2.8	17.1	141	0.3
09/06/21	Mon	23:50:53	-40	360	-37.3	354	0										29.2	201	-2.8	18.9	216	0.3
09/07/21	Tue	18:47:54	-6.3	284	2.4	273	2				8.7	246	-4.1				12.3	124	-2.8	17.4	141	0.3
09/07/21	Tue	23:50:33	-40	360	-41.1	338	2										28.9	202	-2.8	18.5	216	0.3
09/08/21	Wed	18:46:01	-6.3	284	6.7	260	5				8.7	245	-4.1				12.7	125	-2.8	17.6	142	0.3
09/08/21	Wed	23:50:12	-41	0	-42.5	320	7										28.6	203	-2.8	18.1	217	0.3
09/09/21	Thr	18:44:08	-6.3	283	10.7	247	12				8.7	244	-4.1				13.0	125	-2.8	17.8	142	0.3
09/09/21	Thr	18:44:08			Ven 3.5																	
09/09/21	Thr	23:49:51	-41	360	-41.1	303	13										28.3	204	-2.8	17.7	218	0.3
09/10/21	Fri	18:42:14	-6.3	282	14.2	233	20				8.7	243	-4.1				13.3	126	-2.8	18.1	143	0.3
09/10/21	Fri	23:49:30	-42	0	-37.1	286	22										28.0	205	-2.8	17.2	219	0.3
09/11/21	Sat	18:40:21	-6.3	282	16.9	219	30				8.7	243	-4.1				13.6	126	-2.8	18.3	143	0.4
09/11/21	Sat	23:49:09	-42	360	-31.1	272	32										27.6	206	-2.8	16.8	220	0.4
09/12/21	Sun	18:38:28	-6.3	281	18.7	205	41				8.8	242	-4.1				14.0	127	-2.8	18.5	144	0.4

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/12/21	Sun	23:48:48	-42	360	-23.7	259	44										27.3	207	-2.8	16.4	221	0.4
09/13/21	Mon	18:36:34	-6.3	281	19.4	190	52		8.8	241	-4.1						14.3	127	-2.8	18.8	144	0.4
09/13/21	Mon	23:48:26	-43	0	-15.3	248	55										26.9	208	-2.8	15.9	221	0.4
09/14/21	Tue	18:34:40	-6.3	280	18.9	176	64		8.8	240	-4.1						14.6	128	-2.8	19.0	145	0.4
09/14/21	Tue	23:48:05	-43	360	-6.3	239	66										26.5	209	-2.8	15.5	222	0.4
09/15/21	Wed	18:32:47	-6.3	280	17.5	162	74		8.8	240	-4.1						14.9	128	-2.8	19.2	145	0.4
09/15/21	Wed	23:47:44	-43	0	3.1	229	76										26.2	210	-2.8	15.0	223	0.4
09/16/21	Thr	18:30:53	-6.3	279	15.2	148	83		8.8	239	-4.1						15.2	129	-2.8	19.4	146	0.4
09/16/21	Thr	18:30:53			Sat 4.7																	
09/16/21	Thr	23:47:22	-44	360	12.1	220	85										25.8	211	-2.8	14.5	224	0.4
09/16/21	Thr	23:47:22			Sat 4.5																	
09/17/21	Fri	18:29:00	-6.3	279	12.2	135	90		8.8	238	-4.1						15.5	129	-2.8	19.6	146	0.4
09/17/21	Fri	23:47:01	-44	0	20.8	210	92										25.4	212	-2.8	14.1	224	0.4
09/17/21	Fri	23:47:01			Jup 4.8																	
09/18/21	Sat	18:27:07	-6.3	278	8.7	122	96		8.9	238	-4.2						15.9	130	-2.8	19.8	147	0.4
09/18/21	Sat	23:46:39	-45	360	28.9	199	97										25.0	213	-2.8	13.6	225	0.4
09/19/21	Sun	18:25:13	-6.3	278	4.9	110	99		8.9	237	-4.2						16.2	130	-2.8	20.0	147	0.4
09/19/21	Sun	23:46:18	-45	0	36.1	187	99										24.6	214	-2.8	13.1	226	0.4
09/20/21	Mon	18:23:20	-6.3	277	1.1	98	100		8.9	236	-4.2						16.5	131	-2.8	20.2	148	0.4
09/20/21	Mon	23:45:56	-45	360	41.7	173	100										24.2	215	-2.8	12.6	227	0.4
09/21/21	Tue	18:21:28	-6.3	276	-2.7	86	99		8.9	235	-4.2						16.8	132	-2.8	20.4	148	0.4
09/21/21	Tue	23:45:35	-46	0	45.3	158	98										23.7	215	-2.8	12.1	227	0.4
09/22/21	Wed	18:19:35	-6.3	276	-7.0	75	96		9.0	235	-4.2						17.1	132	-2.8	20.6	149	0.4
09/22/21	Wed	23:45:14	-46	360	46.5	141	95										23.3	216	-2.8	11.6	228	0.4

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/23/21	Thr	18:17:43	-6.3	275	-10.5	64	91				9.0	234	-4.2				17.3	133	-2.8	20.8	149	0.4
09/23/21	Thr	23:44:53	-47	0	45.2	124	90										22.9	217	-2.8	11.1	229	0.4
09/24/21	Fri	18:15:51	-6.3	275	-13.6	52	85				9.0	233	-4.2				17.6	133	-2.7	21.0	150	0.4
09/24/21	Fri	23:44:32	-47	0	41.7	109	83										22.4	218	-2.7	10.6	230	0.4
09/25/21	Sat	18:13:59	-6.3	274	-16.2	41	77				9.1	233	-4.2				17.9	134	-2.7	21.2	150	0.4
09/25/21	Sat	23:44:11	-47	0	36.4	97	75										22.0	219	-2.7	10.1	230	0.4
09/26/21	Sun	18:12:08	-6.3	274	-18.3	29	69				9.1	232	-4.2				18.2	134	-2.7	21.4	151	0.4
09/26/21	Sun	23:43:51	-48	0	29.9	86	67										21.5	220	-2.7	9.6	231	0.4
09/27/21	Mon	18:10:17	-6.3	273	-19.8	17	60				9.1	231	-4.2				18.5	135	-2.7	21.6	151	0.4
09/27/21	Mon	23:43:31	-48	0	22.6	77	58										21.0	221	-2.7	9.1	232	0.4
09/28/21	Tue	18:08:27	-6.3	273	-20.6	5	50				9.2	231	-4.2				18.8	135	-2.7	21.8	152	0.4
09/28/21	Tue	23:43:11	-48	360	14.5	68	48										20.6	222	-2.7	8.5	232	0.4
09/29/21	Wed	18:06:37	-6.3	272	-20.7	353	41				9.2	230	-4.2				19.1	136	-2.7	21.9	152	0.4
09/29/21	Wed	23:42:51	-49	0	6.1	61	39										20.1	223	-2.7	8.0	233	0.4
09/30/21	Thr	18:04:47	-6.3	272	-20.0	340	31				9.2	229	-4.3				19.3	136	-2.7	22.1	153	0.5
09/30/21	Thr	23:42:31	-49	0	-2.5	53	29										19.6	223	-2.7	7.5	234	0.5
10/01/21	Fri	18:02:58	-6.3	271	-18.6	328	22				9.3	229	-4.3				19.6	137	-2.7	22.3	153	0.5
10/01/21	Fri	23:42:12	-50	360	-12.3	46	20										19.1	224	-2.7	7.0	235	0.5
10/02/21	Sat	18:01:10	-6.3	270	-16.4	315	14				9.3	228	-4.3				19.9	137	-2.7	22.5	154	0.5
10/02/21	Sat	23:41:53	-50	0	-21.7	38	13										18.6	225	-2.7	6.4	235	0.5
10/03/21	Sun	17:59:22	-6.3	270	-13.4	302	8				9.4	227	-4.3				20.2	138	-2.7	22.6	154	0.5
10/03/21	Sun	23:41:35	-50	360	-30.9	28	6										18.1	226	-2.7	5.9	236	0.5
10/04/21	Mon	17:57:34	-6.3	269	-9.8	289	3				9.4	227	-4.3				20.4	138	-2.7	22.8	155	0.5
10/04/21	Mon	23:41:17	-51	0	-39.7	16	2										17.6	227	-2.7	5.3	237	0.5

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
10/05/21	Tue	17:55:48	-6.3	269	-5.5	276	0				9.5	226	-4.3				20.7	139	-2.7	23.0	156	0.5
10/05/21	Tue	23:40:59	-51	360	-47.1	1	0										17.1	227	-2.7	4.8	237	0.5
10/06/21	Wed	17:54:02	-6.3	268	-0.4	263	1				9.5	225	-4.3				20.9	139	-2.7	23.1	156	0.5
10/06/21	Wed	23:40:42	-52	360	-52.1	341	1										16.6	228	-2.7	4.3	238	0.5
10/07/21	Thr	17:52:16	-6.3	268	3.8	249	4				9.6	225	-4.3				21.2	140	-2.7	23.3	157	0.5
10/07/21	Thr	23:40:25	-52	360	-53.2	319	5										16.1	229	-2.7	3.7	239	0.5
10/08/21	Fri	17:50:32	-6.3	267	8.1	235	9				9.7	224	-4.3				21.5	140	-2.7	23.4	157	0.5
10/08/21	Fri	23:40:08	-52	0	-50.0	297	11										15.5	230	-2.7	3.2	239	0.5
10/09/21	Sat	17:48:48	-6.3	267	12.1	222	17				9.7	223	-4.3				21.7	141	-2.7	23.6	158	0.5
10/09/21	Sat	17:48:48			Ven 3.0																	
10/09/21	Sat	23:39:52	-53	0	-43.4	280	19										15.0	231	-2.7			
10/10/21	Sun	17:47:05	-6.3	266	15.4	208	27				9.8	223	-4.3				22.0	141	-2.6	23.7	158	0.5
10/10/21	Sun	23:39:37	-53	0	-34.7	266	29										14.5	231	-2.6			
10/11/21	Mon	17:45:23	-6.3	266	17.8	193	38				9.8	222	-4.4				22.2	142	-2.6	23.9	159	0.5
10/11/21	Mon	23:39:22	-53	360	-24.9	256	40										13.9	232	-2.6			
10/12/21	Tue	17:43:41	-6.3	265	19.2	179	49				9.9	222	-4.4				22.5	143	-2.6	24.0	159	0.5
10/12/21	Tue	23:39:07	-54	360	-14.6	247	52										13.4	233	-2.6			
10/13/21	Wed	17:42:01	-6.3	265	19.6	165	60				10.0	221	-4.4				22.7	143	-2.6	24.2	160	0.5
10/13/21	Wed	23:38:53	-54	360	-3.9	240	63										12.9	234	-2.6			
10/14/21	Thr	17:40:21	-6.3	264	18.9	151	70				10.1	220	-4.4				23.0	144	-2.6	24.3	160	0.5
10/14/21	Thr	23:38:39	-55	360	6.6	233	73										12.3	234	-2.6			
10/15/21	Fri	05:37:40	-6.3	96	-51.3	298	75	4.5	100	2.0												
10/15/21	Fri	17:38:42	-6.3	264	17.4	138	79				10.1	220	-4.4				23.2	144	-2.6	24.4	161	0.5
10/15/21	Fri	23:38:26	-55	360	16.8	226	82										11.8	235	-2.6			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
10/16/21	Sat	05:38:53	-6.3	97	-40.6	291	84	6.0	101	1.5												
10/16/21	Sat	17:37:04	-6.3	263	15.1	125	87				10.2	219	-4.4				23.5	145	-2.6	24.6	162	0.5
10/16/21	Sat	23:38:14	-55	0	26.7	218	89										11.2	236	-2.6			
10/17/21	Sun	05:40:06	-6.3	97	-29.6	286	90	7.2	102	1.0												
10/17/21	Sun	17:35:28	-6.3	263	12.2	112	93				10.3	219	-4.4				23.7	145	-2.6	24.7	162	0.5
10/17/21	Sun	23:38:02	-56	0	36.0	209	94										10.7	237	-2.6			
10/18/21	Mon	05:41:18	-6.3	98	-18.6	283	96	8.3	103	0.6												
10/18/21	Mon	17:33:52	-6.3	262	8.8	101	97				10.4	218	-4.4				24.0	146	-2.6	24.8	163	0.5
10/18/21	Mon	23:37:50	-56	360	44.4	198	98										10.1	237	-2.6			
10/19/21	Tue	05:42:31	-6.3	98	-7.7	279	99	9.2	103	0.3												
10/19/21	Tue	17:32:17	-6.3	262	5.1	89	100				10.5	218	-4.4				24.2	146	-2.6	24.9	163	0.5
10/19/21	Tue	23:37:40	-56	0	51.3	184	100										9.5	238	-2.6			
10/20/21	Wed	05:43:45	-6.3	99	3.4	276	100	10.0	104	0.0												
10/20/21	Wed	17:30:44	-6.3	261	1.4	78	100				10.6	217	-4.4				24.4	147	-2.6	25.1	164	0.5
10/20/21	Wed	23:37:30	-57	0	55.9	166	100										9.0	239	-2.6			
10/21/21	Thr	05:44:58	-6.3	99	13.9	273	99	10.6	105	-0.2												
10/21/21	Thr	17:29:11	-6.3	261	-2.3	67	98				10.6	217	-4.5				24.7	148	-2.6	25.2	165	0.6
10/21/21	Thr	23:37:20	-57	360	57.2	146	97										8.4	239	-2.6			
10/22/21	Fri	05:46:12	-6.3	100	24.3	270	97	11.0	105	-0.3												
10/22/21	Fri	17:27:40	-6.3	260	-6.9	57	95				10.7	216	-4.5				24.9	148	-2.6	25.3	165	0.6
10/22/21	Fri	23:37:12	-57	0	55.1	126	94										7.8	240	-2.6			
10/23/21	Sat	05:47:25	-6.3	100	34.5	265	92	11.3	106	-0.5												
10/23/21	Sat	17:26:10	-6.3	260	-10.6	46	90				10.8	216	-4.5				25.1	149	-2.6	25.4	166	0.6
10/23/21	Sat	23:37:04	-58	360	50.1	109	88										7.3	241	-2.6			
10/24/21	Sun	05:48:39	-6.3	101	44.4	260	87	11.4	106	-0.6												
10/24/21	Sun	17:24:41	-6.3	259	-14.0	35	83				10.9	215	-4.5				25.4	149	-2.5	25.5	166	0.6

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
11/12/21	Fri	17:01:20	-6.3	251	24.6	144	66				13.2	209	-4.7				29.3	161	-2.4	26.8	179	0.6
11/13/21	Sat	06:13:34	-6.3	109	-52.2	325	71							4.6	115	1.6						
11/13/21	Sat	17:00:23	-6.3	251	23.7	131	75				13.4	209	-4.7				29.4	162	-2.4	26.8	180	0.6
11/14/21	Sun	06:14:48	-6.3	110	-42.8	316	80							4.8	115	1.6						
11/14/21	Sun	16:59:29	-6.3	250	21.8	118	83				13.5	208	-4.7				29.6	163	-2.4	26.9	180	0.6
11/15/21	Mon	06:16:02	-6.3	110	-33.0	309	87							5.0	116	1.6						
11/15/21	Mon	16:58:36	-6.3	250	19.0	106	90				13.6	208	-4.7				29.8	164	-2.4	26.9	181	0.6
11/16/21	Tue	06:17:15	-6.3	110	-23.0	304	93							5.3	117	1.6						
11/16/21	Tue	16:57:45	-6.3	250	15.5	94	95				13.8	208	-4.7				30.0	164	-2.4	26.9	182	0.6
11/17/21	Wed	06:18:28	-6.3	111	-13.0	299	97							5.5	117	1.6						
11/17/21	Wed	16:56:57	-6.3	249	11.4	83	98				13.9	208	-4.8				30.1	165	-2.4	26.9	183	0.6
11/18/21	Thr	06:19:40	-6.3	111	-2.4	294	99							5.7	118	1.6						
11/18/21	Thr	16:56:11	-6.3	249	6.9	73	100				14.0	208	-4.8				30.3	166	-2.4	26.9	183	0.7
11/19/21	Fri	06:20:52	-6.3	111	7.0	290	100							5.9	118	1.6						
11/19/21	Fri	16:55:26	-6.3	249	2.2	63	100				14.2	208	-4.8				30.4	167	-2.4	26.8	184	0.7
11/20/21	Sat	06:22:03	-6.3	112	16.7	285	99							6.2	119	1.6						
11/20/21	Sat	16:54:44	-6.3	248	-2.6	53	98				14.3	208	-4.8				30.6	167	-2.4	26.8	185	0.7
11/21/21	Sun	06:23:14	-6.3	112	26.2	280	96							6.4	120	1.6						
11/21/21	Sun	16:54:04	-6.3	248	-8.2	43	94				14.4	208	-4.8				30.7	168	-2.4	26.8	186	0.7
11/22/21	Mon	06:24:24	-6.3	112	35.3	273	91							6.6	120	1.6						
11/22/21	Mon	16:53:26	-6.3	248	-13.1	33	89				14.6	208	-4.8				30.9	169	-2.3	26.7	187	0.7
11/23/21	Tue	06:25:34	-6.3	113	43.9	265	85							6.8	121	1.6						
11/23/21	Tue	16:52:51	-6.3	247	-17.8	22	82				14.7	208	-4.8				31.0	170	-2.3	26.7	187	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
11/24/21	Wed	06:26:43	-6.3	113	51.5	253	78							7.0	121	1.6						
11/24/21	Wed	16:52:17	-6.3	247	-22.2	11	74				14.8	208	-4.8				31.1	171	-2.3	26.6	188	0.7
11/25/21	Thr	06:27:51	-6.3	113	57.4	237	69							7.2	122	1.6						
11/25/21	Thr	16:51:46	-6.3	247	-25.9	360	65				14.9	208	-4.8				31.3	171	-2.3	26.6	189	0.7
11/26/21	Fri	06:28:59	-6.3	113	60.3	215	60							7.4	122	1.6						
11/26/21	Fri	16:51:18	-6.3	246	-28.9	347	55				15.0	209	-4.8				31.4	172	-2.3	26.5	190	0.7
11/27/21	Sat	06:30:05	-6.3	114	59.2	192	50							7.6	123	1.6						
11/27/21	Sat	16:50:51	-6.3	246	-30.8	333	45				15.1	209	-4.8				31.5	173	-2.3	26.4	191	0.7
11/28/21	Sun	06:31:11	-6.3	114	54.1	172	39							7.8	123	1.6						
11/28/21	Sun	16:50:27	-6.3	246	-31.3	319	35				15.2	209	-4.9				31.6	174	-2.3	26.3	192	0.7
11/29/21	Mon	06:32:16	-6.3	114	46.1	157	29							8.0	124	1.6						
11/29/21	Mon	16:50:05	-6.3	246	-30.3	304	25				15.3	209	-4.9				31.7	175	-2.3	26.2	192	0.7
11/30/21	Tue	06:33:20	-6.3	114	36.3	145	19							8.1	125	1.6						
11/30/21	Tue	16:49:46	-6.3	246	-27.6	289	16				15.3	210	-4.9				31.8	176	-2.3	26.1	193	0.7
12/01/21	Wed	06:34:23	-6.3	115	25.2	136	11							8.3	125	1.6						
12/01/21	Wed	16:49:29	-6.3	245	-23.2	275	8				15.4	210	-4.9				31.9	177	-2.3	26.0	194	0.7
12/02/21	Thr	06:35:25	-6.3	115	13.5	129	5							8.5	126	1.6						
12/02/21	Thr	16:49:14	-6.3	245	-17.4	261	3				15.4	210	-4.9				32.0	178	-2.3	25.8	195	0.7
12/03/21	Fri	06:36:25	-6.3	115	1.7	121	1							8.6	126	1.6						
12/03/21	Fri	16:49:02	-6.3	245	-10.5	248	0				15.5	211	-4.9				32.0	178	-2.3	25.7	196	0.7
12/04/21	Sat	06:37:25	-6.3	115	-10.9	114	0							8.8	127	1.6						
12/04/21	Sat	16:48:52	-6.3	245	-2.3	236	1				15.5	211	-4.9				32.1	179	-2.3	25.5	197	0.7
12/05/21	Sun	06:38:23	-6.3	115	-22.6	106	2							9.0	127	1.6						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/05/21	Sun	16:48:44	-6.3	245	5.0	224	4				15.5	212	-4.9				32.1	180	-2.3	25.4	198	0.7
12/06/21	Mon	06:39:20	-6.3	116	-33.5	96	8							9.1	128	1.6						
12/06/21	Mon	16:48:39	-6.3	244	12.5	212	11				15.5	212	-4.9				32.2	181	-2.3	25.2	199	0.7
12/06/21	Mon	16:48:39			Ven 3.0																	
12/07/21	Tue	06:40:15	-6.3	116	-43.0	84	15							9.2	128	1.6						
12/07/21	Tue	16:48:37	-6.3	244	19.5	200	19				15.5	213	-4.9				32.2	182	-2.3	25.0	200	0.7
12/08/21	Wed	06:41:09	-6.3	116	-50.3	68	24							9.4	129	1.6						
12/08/21	Wed	16:48:36	-6.3	244	25.5	187	28				15.4	213	-4.9				32.2	183	-2.2	24.8	200	0.7
12/09/21	Thr	06:42:02	-6.3	116	-54.7	49	34							9.5	129	1.6						
12/09/21	Thr	16:48:38	-6.3	244	30.3	173	39				15.4	214	-4.9				32.3	184	-2.2	24.6	201	0.7
12/10/21	Fri	06:42:53	-6.3	116	-55.3	28	45							9.7	130	1.6						
12/10/21	Fri	16:48:43	-6.3	244	33.6	159	49				15.3	215	-4.9				32.3	185	-2.2	24.4	202	0.7
12/11/21	Sat	06:43:42	-6.3	116	-52.3	8	55							9.8	130	1.6						
12/11/21	Sat	16:48:49	-6.3	244	35.2	145	60				15.2	215	-4.9				32.3	186	-2.2	24.2	203	0.7
12/12/21	Sun	06:44:30	-6.3	116	-46.9	353	65							9.9	131	1.6						
12/12/21	Sun	16:48:58	-6.3	244	35.1	130	69				15.0	216	-4.9				32.2	187	-2.2	23.9	204	0.7
12/13/21	Mon	06:45:16	-6.3	116	-40.0	341	74							10.0	131	1.6						
12/13/21	Mon	16:49:10	-6.3	243	33.4	117	78				14.9	217	-4.9				32.2	188	-2.2	23.7	205	0.7
12/14/21	Tue	06:46:01	-6.3	117	-32.2	331	82							10.1	131	1.6						
12/14/21	Tue	16:49:24	-6.3	243	30.3	104	85				14.7	218	-4.9				32.2	189	-2.2	23.4	206	0.7
12/15/21	Wed	06:46:43	-6.3	117	-24.0	323	89							10.2	132	1.6						
12/15/21	Wed	16:49:40	-6.3	243	26.0	92	91				14.4	219	-4.8				32.1	190	-2.2	23.1	207	0.7
12/16/21	Thr	06:47:24	-6.3	117	-15.5	316	94							10.3	132	1.6						
12/16/21	Thr	16:49:58	-6.3	243	20.8	82	96				14.2	220	-4.8				32.1	191	-2.2	22.8	208	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/17/21	Fri	06:48:03	-6.3	117	-6.9	309	98							10.4	133	1.6						
12/17/21	Fri	16:50:18	-6.3	243	14.9	72	99				13.9	220	-4.8				32.0	192	-2.2	22.5	209	0.7
12/18/21	Sat	06:48:40	-6.3	117	2.0	303	100							10.5	133	1.6						
12/18/21	Sat	16:50:41	-6.3	243	8.4	63	100				13.6	222	-4.8				31.9	193	-2.2	22.2	210	0.7
12/19/21	Sun	06:49:14	-6.3	117	10.2	296	100							10.6	133	1.6						
12/19/21	Sun	16:51:06	-6.3	243	1.8	55	99				13.2	223	-4.8				31.8	194	-2.2	21.8	211	0.7
12/20/21	Mon	06:49:47	-6.3	117	18.4	288	98							10.7	134	1.6						
12/20/21	Mon	16:51:34	-6.3	243	-5.6	46	97				12.8	224	-4.7				31.7	195	-2.2	21.5	212	0.7
12/21/21	Tue	06:50:18	-6.3	117	26.2	280	95							10.8	134	1.6						
12/21/21	Tue	16:52:03	-6.3	243	-12.8	38	93				12.3	225	-4.7				31.6	196	-2.2	21.1	213	0.7
12/22/21	Wed	06:50:47	-6.3	117	33.4	270	90							10.9	135	1.6						
12/22/21	Wed	16:52:34	-6.3	243	-19.9	29	87				11.9	226	-4.7				31.4	198	-2.2	20.8	214	0.7
12/23/21	Thr	06:51:14	-6.3	117	39.5	258	83							10.9	135	1.6						
12/23/21	Thr	16:53:08	-6.3	243	-26.7	19	80				11.3	227	-4.7				31.3	199	-2.2	20.4	215	0.7
12/24/21	Fri	06:51:39	-6.3	117	44.1	244	75							11.0	135	1.6						
12/24/21	Fri	16:53:44	-6.3	243	-33.0	8	71				10.8	228	-4.6				31.1	200	-2.2	20.0	215	0.7
12/25/21	Sat	06:52:01	-6.3	117	46.6	227	66							11.1	136	1.6						
12/25/21	Sat	16:54:22	-6.3	243	-38.5	355	62	3.2	231	-0.7	10.1	230	-4.6				30.9	201	-2.2	19.6	216	0.7
12/26/21	Sun	06:52:22	-6.3	117	46.5	209	56							11.1	136	1.6						
12/26/21	Sun	16:55:01	-6.3	243	-42.5	341	51	3.7	231	-0.7	9.5	231	-4.5				30.8	202	-2.2	19.1	217	0.7
12/27/21	Mon	06:52:40	-6.3	117	43.5	192	45							11.2	136	1.5						
12/27/21	Mon	16:55:43	-6.3	243	-44.5	324	40	4.2	231	-0.7	8.8	232	-4.5				30.6	203	-2.2	18.7	218	0.7
12/27/21	Mon	16:55:43						Ven 4.7														
12/28/21	Tue	06:52:56	-6.3	117	38.0	177	34							11.2	137	1.5						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
12/28/21	Tue	16:56:27	-6.3	243	-43.8	306	30	4.7	231	-0.7	8.0	233	-4.4				30.3	204	-2.1	18.3	219	0.7
12/28/21	Tue	16:56:27						Ven 4.2														
12/29/21	Wed	06:53:10	-6.3	116	30.6	163	24						11.3	137	1.5							
12/29/21	Wed	16:57:12	-6.3	244	-40.4	289	20	5.1	231	-0.7	7.2	235	-4.4				30.1	205	-2.1	17.8	220	0.7
12/29/21	Wed	16:57:12						Ven 4.5														
12/30/21	Thr	06:53:21	-6.3	116	21.8	151	15						11.3	137	1.5							
12/30/21	Thr	16:57:59	-6.3	244	-34.4	274	11	5.6	231	-0.7	6.4	236	-4.3				29.9	206	-2.1	17.3	221	0.7
12/31/21	Fri	06:53:30	-6.3	116	12.2	141	7						11.4	137	1.5							
12/31/21	Fri	06:53:30			Mars 3.3																	
12/31/21	Fri	16:58:48	-6.3	244	-26.4	261	5	6.1	231	-0.7	5.5	238	-4.3				29.6	207	-2.1	16.8	222	0.7
01/01/22	Sat	06:53:37	-6.3	116	2.3	130	2						11.4	138	1.5							
01/01/22	Sat	16:59:39	-6.3	244	-17.2	249	1	6.5	231	-0.7	4.6	239	-4.2				29.3	208	-2.1	16.3	223	0.7
01/02/22	Sun	06:53:42	-6.3	116	-8.0	120	0						11.4	138	1.5							
01/02/22	Sun	17:00:32	-6.3	244	-7.2	239	0	7.0	231	-0.7	3.6	240	-4.3				29.0	210	-2.1	15.8	224	0.7
01/03/22	Mon	06:53:44	-6.3	116	-17.5	109	1						11.5	138	1.5							
01/03/22	Mon	17:01:26	-6.3	244	3.4	230	2	7.4	231	-0.7							28.7	211	-2.1	15.3	225	0.7
01/03/22	Mon	17:01:26			Mer 4.2																	
01/04/22	Tue	06:53:44	-6.3	116	-26.1	98	5						11.5	138	1.5							
01/04/22	Tue	17:02:21	-6.3	244	13.4	221	7	7.7	231	-0.7							28.4	212	-2.1	14.7	226	0.7
01/05/22	Wed	06:53:41	-6.3	116	-33.2	85	11						11.5	139	1.5							
01/05/22	Wed	17:03:18	-6.3	244	23.1	211	14	8.1	232	-0.7							28.1	213	-2.1	14.2	227	0.7
01/06/22	Thr	06:53:37	-6.3	115	-38.5	70	19						11.5	139	1.5							
01/06/22	Thr	17:04:17	-6.3	245	31.9	200	23	8.4	232	-0.7							27.8	214	-2.1	13.6	228	0.7
01/07/22	Fri	06:53:29	-6.3	115	-41.6	54	28						11.6	139	1.5							

For observations near Journey Museum. All dates and times in MST.

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
01/07/22	Fri	17:05:17	-6.3	245	39.5	188	33	8.6	232	-0.6							27.4	215	-2.1	13.1	229	0.7
01/08/22	Sat	06:53:20	-6.3	115	-42.3	38	38						11.6	139	1.5							
01/08/22	Sat	17:06:18	-6.3	245	45.4	174	43	8.7	233	-0.5							27.0	216	-2.1	12.5	230	0.7
01/08/22	Sat	17:06:18						Sat 5.0														
01/09/22	Sun	06:53:08	-6.3	115	-40.8	22	48						11.6	139	1.5							
01/09/22	Sun	17:07:20	-6.3	245	49.2	158	53	8.8	234	-0.5							26.7	217	-2.1	11.9	231	0.7
01/09/22	Sun	17:07:20						Sat 4.3														
01/10/22	Mon	06:52:54	-6.3	115	-37.5	8	58						11.6	139	1.5							
01/10/22	Mon	17:08:24	-6.3	245	50.5	141	62	8.7	234	-0.3							26.3	218	-2.1	11.3	231	0.7
01/10/22	Mon	17:08:24						Sat 3.8														
01/11/22	Tue	06:52:37	-6.3	114	-32.9	356	67						11.6	140	1.5							
01/11/22	Tue	17:09:29	-6.3	246	49.0	124	71	8.6	235	-0.2							25.9	219	-2.1	10.7	232	0.7
01/11/22	Tue	17:09:29						Sat 3.5														
01/12/22	Wed	06:52:18	-6.3	114	-27.3	345	76						11.6	140	1.5							
01/12/22	Wed	17:10:34	-6.3	246	45.2	109	79	8.3	236	0.0							25.4	220	-2.1	10.0	233	0.7
01/12/22	Wed	17:10:34						Sat 3.4														
01/13/22	Thr	06:51:57	-6.3	114	-21.2	335	83						11.6	140	1.5							
01/13/22	Thr	17:11:41	-6.3	246	39.6	96	86	7.9	237	0.3							25.0	221	-2.1	9.4	234	0.7
01/13/22	Thr	17:11:41						Sat 3.4														
01/14/22	Fri	06:51:33	-6.3	114	-14.6	326	90					3.9	118	-4.3	11.6	140	1.5					
01/14/22	Fri	17:12:49	-6.3	246	32.7	86	92	7.3	238	0.6							24.6	222	-2.1	8.8	235	0.7
01/14/22	Fri	17:12:49						Sat 3.7														
01/15/22	Sat	06:51:07	-6.3	113	-7.8	317	95					4.9	119	-4.2	11.6	140	1.5					
01/15/22	Sat	17:13:58	-6.3	247	24.9	77	96	6.5	240	0.9							24.1	223	-2.1	8.1	236	0.7
01/15/22	Sat	17:13:58						Sat 4.1														
01/16/22	Sun	06:50:39	-6.3	113	-0.2	308	98					5.8	120	-4.3	11.6	140	1.5					

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
01/16/22	Sun	17:15:08	-6.3	247	16.5	70	99	5.6	241	1.4							23.6	224	-2.1	7.4	237	0.7
01/16/22	Sun	17:15:08						Sat 4.7														
01/17/22	Mon	06:50:08	-6.3	113	6.2	299	100				6.7	121	-4.3	11.6	140	1.5						
01/17/22	Mon	17:16:19	-6.3	247	7.6	63	100	4.5	243	1.9							23.2	226	-2.1	6.8	238	0.7
01/18/22	Tue	06:49:36	-6.3	113	12.8	290	100				7.5	121	-4.4	11.6	140	1.5						
01/18/22	Tue	17:17:30	-6.3	248	-1.2	57	99	3.2	244	2.5							22.7	227	-2.1	6.1	239	0.7
01/19/22	Wed	06:49:01	-6.3	112	19.1	279	97				8.3	122	-4.5	11.6	140	1.5						
01/19/22	Wed	17:18:42	-6.3	248	-11.2	51	96										22.2	228	-2.1	5.4	239	0.7
01/20/22	Thr	06:48:24	-6.3	112	24.7	268	93				9.1	123	-4.5	11.6	140	1.5						
01/20/22	Thr	17:19:55	-6.3	248	-20.7	45	91										21.7	229	-2.1	4.7	240	0.7
01/21/22	Fri	06:47:44	-6.3	112	29.4	256	88				9.8	124	-4.5	11.6	140	1.5						
01/21/22	Fri	17:21:08	-6.3	248	-30.2	37	84										21.2	230	-2.1	4.0	241	0.7
01/22/22	Sat	06:47:03	-6.3	111	32.8	242	80				10.5	125	-4.6	11.6	140	1.4						
01/22/22	Sat	17:22:23	-6.3	249	-39.3	28	76										20.6	231	-2.1	3.4	242	0.7
01/23/22	Sun	06:46:20	-6.3	111	34.5	227	71				11.2	126	-4.6	11.6	140	1.4						
01/23/22	Sun	17:23:37	-6.3	249	-47.8	17	67										20.1	232	-2.1			
01/24/22	Mon	06:45:34	-6.3	111	34.4	212	61				11.8	127	-4.7	11.6	140	1.4						
01/24/22	Mon	17:24:53	-6.3	249	-54.8	1	56										19.5	233	-2.1			
01/25/22	Tue	06:44:46	-6.3	110	32.2	196	50				12.3	127	-4.7	11.6	140	1.4						
01/25/22	Tue	17:26:08	-6.3	250	-58.9	339	45										19.0	233	-2.1			
01/26/22	Wed	06:43:57	-6.3	110	28.3	181	39				12.8	128	-4.7	11.6	140	1.4						
01/26/22	Wed	17:27:25	-6.3	250	-58.5	314	34										18.4	234	-2.1			
01/27/22	Thr	06:43:05	-6.3	110	22.8	168	28				13.3	129	-4.7	11.5	140	1.4						
01/27/22	Thr	17:28:41	-6.3	251	-53.6	293	24										17.8	235	-2.1			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
01/28/22	Fri	06:42:12	-6.3	109	16.2	155	18				13.8	129	-4.8	11.5	140	1.4							
01/28/22	Fri	17:29:58	-6.3	251	-45.3	277	14										17.3	236	-2.1				
01/29/22	Sat	06:41:16	-6.3	109	8.9	142	10	3.6	118	2.0	14.2	130	-4.8	11.5	140	1.4							
01/29/22	Sat	06:41:16			Mars 3.2																		
01/29/22	Sat	17:31:16	-6.3	251	-35.1	265	7										16.7	237	-2.1				
01/30/22	Sun	06:40:19	-6.3	108	1.5	130	4	4.3	120	1.6	14.6	131	-4.8	11.5	140	1.4							
01/30/22	Sun	17:32:33	-6.3	252	-23.9	256	2										16.1	238	-2.0				
01/31/22	Mon	06:39:19	-6.3	108	-6.6	118	1	4.9	121	1.3	14.9	131	-4.8	11.5	140	1.4							
01/31/22	Mon	17:33:51	-6.3	252	-12.1	249	0										15.5	239	-2.0				
02/01/22	Tue	06:38:18	-6.3	108	-13.7	106	0	5.5	122	1.0	15.2	132	-4.8	11.5	140	1.4							
02/01/22	Tue	17:35:09	-6.3	252	0.4	243	1										14.9	240	-2.0				
02/02/22	Wed	06:37:15	-6.3	107	-20.0	94	3	5.9	123	0.8	15.5	132	-4.8	11.5	140	1.4							
02/02/22	Wed	17:36:28	-6.3	253	11.7	237	4										14.3	241	-2.0				
02/02/22	Wed	17:36:28			Jup 4.5																		
02/03/22	Thr	06:36:10	-6.3	107	-25.2	80	7	6.3	123	0.6	15.7	133	-4.8	11.4	140	1.4							
02/03/22	Thr	17:37:46	-6.3	253	23.1	231	10										13.6	242	-2.0				
02/04/22	Fri	06:35:04	-6.3	106	-28.9	66	14	6.5	124	0.5	15.9	133	-4.8	11.4	140	1.4							
02/04/22	Fri	17:39:05	-6.3	254	33.9	224	17										13.0	243	-2.0				
02/05/22	Sat	06:33:55	-6.3	106	-31.2	52	22	6.7	124	0.4	16.1	134	-4.9	11.4	140	1.4							
02/05/22	Sat	17:40:23	-6.3	254	43.9	216	26										12.4	244	-2.0				
02/06/22	Sun	06:32:45	-6.3	106	-31.8	38	31	6.9	125	0.3	16.3	134	-4.9	11.4	140	1.4							
02/06/22	Sun	17:41:42	-6.3	255	52.7	205	35										11.7	245	-2.0				
02/07/22	Mon	06:31:34	-6.3	105	-31.1	25	40	6.9	125	0.2	16.5	134	-4.9	11.4	140	1.4							
02/07/22	Mon	17:43:01	-6.3	255	59.8	189	45										11.1	246	-2.0				

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
02/08/22	Tue	06:30:20	-6.3	105	-29.0	12	50	7.0	125	0.1	16.6	134	-4.9	11.4	140	1.4						
02/08/22	Tue	17:44:19	-6.3	255	63.9	167	54										10.5	246	-2.0			
02/09/22	Wed	06:29:05	-6.3	104	-26.0	359	59	6.9	125	0.1	16.7	135	-4.9	11.3	139	1.4						
02/09/22	Wed	17:45:38	-6.3	256	63.8	142	64										9.8	247	-2.0			
02/10/22	Thr	06:27:49	-6.3	104	-22.1	348	68	6.9	126	0.1	16.8	135	-4.9	11.3	139	1.4						
02/10/22	Thr	17:46:57	-6.3	256	59.6	121	72										9.1	248	-2.0			
02/11/22	Fri	06:26:31	-6.3	103	-17.6	337	77	6.8	125	0.0	16.8	135	-4.9	11.3	139	1.4						
02/11/22	Fri	17:48:15	-6.3	257	52.8	106	80										8.5	249	-2.0			
02/12/22	Sat	06:25:11	-6.3	103	-12.7	327	84	6.7	125	0.0	16.9	135	-4.9	11.3	139	1.3						
02/12/22	Sat	17:49:34	-6.3	257	44.3	95	87										7.8	250	-2.0			
02/13/22	Sun	06:23:50	-6.3	102	-7.4	316	90	6.5	125	0.0	16.9	135	-4.9	11.3	139	1.3						
02/13/22	Sun	17:50:52	-6.3	258	34.9	88	93										7.2	251	-2.0			
02/14/22	Mon	06:22:28	-6.3	102	-1.3	306	95	6.3	125	0.0	16.9	136	-4.9	11.3	139	1.3						
02/14/22	Mon	17:52:11	-6.3	258	25.0	82	97										6.5	252	-2.0			
02/15/22	Tue	06:21:04	-6.3	101	3.8	296	98	6.2	125	0.0	16.9	136	-4.8	11.3	138	1.3						
02/15/22	Tue	17:53:29	-6.3	259	14.5	77	99										5.8	252	-2.0			
02/16/22	Wed	06:19:39	-6.3	101	9.1	285	100	5.9	124	0.0	16.9	136	-4.8	11.2	138	1.3						
02/16/22	Wed	17:54:47	-6.3	259	3.9	73	100										5.2	253	-2.0			
02/17/22	Thr	06:18:13	-6.3	101	14.1	273	99	5.7	124	0.0	16.9	136	-4.8	11.2	138	1.3						
02/17/22	Thr	17:56:05	-6.3	260	-7.5	69	98										4.5	254	-2.0			
02/18/22	Fri	06:16:45	-6.3	100	18.6	261	96	5.5	124	-0.1	16.8	136	-4.8	11.2	138	1.3						
02/18/22	Fri	17:57:23	-6.3	260	-18.7	65	94										3.8	255	-2.0			
02/19/22	Sat	06:15:16	-6.3	100	22.2	248	91	5.2	123	-0.1	16.8	136	-4.8	11.2	138	1.3						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
03/18/22	Fri	05:29:33	-6.3	85	10.2	264	100				13.7	128	-4.5	11.3	131	1.2				7.4	120	0.8
03/18/22	Fri	05:29:33									Mars 3.9											
03/19/22	Sat	05:27:43	-6.3	85	13.9	251	98				13.5	127	-4.5	11.3	131	1.1				7.7	120	0.8
03/19/22	Sat	05:27:43									Mars 4.0											
03/20/22	Sun	05:25:52	-6.3	84	17.1	238	94				13.4	127	-4.5	11.4	130	1.1				8.0	120	0.8
03/20/22	Sun	05:25:52									Mars 4.1											
03/21/22	Mon	05:24:02	-6.3	83	19.3	223	88				13.2	126	-4.5	11.4	130	1.1				8.2	121	0.9
03/21/22	Mon	05:24:02									Mars 4.2											
03/22/22	Tue	05:22:11	-6.3	83	20.4	209	79				13.1	126	-4.5	11.4	130	1.1				8.5	121	0.9
03/22/22	Tue	05:22:11									Mars 4.3											
03/23/22	Wed	05:20:20	-6.3	82	20.3	194	69				13.0	125	-4.5	11.4	129	1.1				8.8	121	0.9
03/23/22	Wed	05:20:20									Mars 4.4											
03/24/22	Thr	05:18:28	-6.3	82	19.1	180	58				12.8	125	-4.5	11.5	129	1.1				9.1	122	0.9
03/24/22	Thr	05:18:28									Mars 4.6											
03/25/22	Fri	05:16:37	-6.3	81	16.8	165	47				12.7	124	-4.5	11.5	129	1.1				9.4	122	0.9
03/25/22	Fri	05:16:37									Sat 3.9											
03/26/22	Sat	05:14:46	-6.3	81	13.7	152	36				12.6	123	-4.5	11.6	128	1.1				9.6	122	0.9
03/26/22	Sat	05:14:46									Sat 3.2											
03/27/22	Sun	05:12:54	-6.3	80	9.9	138	25				12.4	123	-4.4	11.6	128	1.1				9.9	123	0.9
03/27/22	Sun	05:12:54									Sat 2.5											
03/28/22	Mon	05:11:02	-6.3	80	5.7	125	16				12.3	122	-4.4	11.6	128	1.1				10.2	123	0.9
03/28/22	Mon	05:11:02									Sat 2.1											
03/29/22	Tue	05:09:11	-6.3	79	1.5	113	9				12.2	122	-4.4	11.7	127	1.1				10.5	123	0.9

For observations near Journey Museum. All dates and times in MST.

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
03/29/22	Tue	05:09:11										Sat 2.1			Sat 4.4								
03/30/22	Wed	05:07:19	-6.3	78	-2.8	100	4					12.0	121	-4.4	11.7	127	1.1				10.8	123	0.9
03/30/22	Wed	05:07:19										Sat 2.5			Sat 3.7								
03/31/22	Thr	05:05:28	-6.3	78	-7.5	88	1					11.9	121	-4.4	11.8	127	1.1				11.0	124	0.9
03/31/22	Thr	05:05:28										Sat 3.2			Sat 3.1								
04/01/22	Fri	05:03:36	-6.3	77	-11.2	76	0					11.8	120	-4.4	11.8	126	1.1				11.3	124	0.9
04/01/22	Fri	05:03:36										Sat 3.9			Sat 2.4								
04/02/22	Sat	05:01:45	-6.3	77	-14.5	64	2					11.7	120	-4.4	11.9	126	1.1				11.6	124	0.9
04/02/22	Sat	05:01:45										Sat 4.8			Sat 1.7								
04/03/22	Sun	04:59:53	-6.3	76	-17.1	51	5					11.6	119	-4.4	11.9	126	1.1				11.9	125	0.9
04/03/22	Sun	04:59:53													Sat 1.1								
04/04/22	Mon	04:58:02	-6.3	76	-19.0	39	10					11.4	118	-4.4	12.0	126	1.0				12.1	125	0.9
04/04/22	Mon	04:58:02													Sat 0.5								
04/05/22	Tue	04:56:11	-6.3	75	-20.2	27	17					11.3	118	-4.4	12.0	125	1.0				12.4	125	0.9
04/05/22	Tue	04:56:11													Sat 0.4								
04/06/22	Wed	04:54:21	-6.3	75	-20.6	15	25					11.2	117	-4.3	12.1	125	1.0				12.7	126	0.9
04/06/22	Wed	04:54:21													Sat 1.0								
04/07/22	Thr	04:52:30	-6.3	74	-20.3	3	34					11.1	117	-4.3	12.1	125	1.0				13.0	126	0.9
04/07/22	Thr	04:52:30													Sat 1.6								
04/08/22	Fri	04:50:40	-6.3	74	-19.3	351	43					11.0	116	-4.3	12.2	124	1.0				13.2	126	0.9
04/08/22	Fri	04:50:40													Sat 2.3								
04/09/22	Sat	04:48:50	-6.3	73	-17.7	339	52					10.9	115	-4.3	12.3	124	1.0	3.1	98	-2.1	13.5	127	0.9
04/09/22	Sat	04:48:50													Sat 3.0								

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
04/10/22	Sun	04:47:01	-6.3	72	-15.5	327	62				10.8	115	-4.3	12.3	124	1.0	3.3	98	-2.1	13.8	127	0.9
04/10/22	Sun	04:47:01												Sat 3.6								
04/11/22	Mon	04:45:12	-6.3	72	-12.8	315	71				10.7	114	-4.3	12.4	123	1.0	3.6	98	-2.1	14.1	127	0.9
04/11/22	Mon	04:45:12												Sat 4.3								
04/11/22	Mon	19:03:27	-6.3	288	59.1	141	76	3.2	285	-1.4												
04/12/22	Tue	04:43:23	-6.3	71	-9.5	303	79				10.6	114	-4.3	12.5	123	1.0	3.9	98	-2.1	14.3	128	0.9
04/12/22	Tue	04:43:23												Sat 5.0								
04/12/22	Tue	19:04:45	-6.3	289	49.3	129	84	4.2	285	-1.4												
04/13/22	Wed	04:41:35	-6.3	71	-5.9	292	87				10.5	113	-4.3	12.6	123	1.0	4.2	98	-2.1	14.6	128	0.9
04/13/22	Wed	19:06:03	-6.3	289	38.5	122	91	5.1	285	-1.3												
04/14/22	Thr	04:39:47	-6.3	70	-1.4	279	93				10.4	112	-4.3	12.7	122	1.0	4.5	99	-2.1	14.9	128	0.9
04/14/22	Thr	19:07:21	-6.3	290	27.0	116	96	6.1	285	-1.2												
04/15/22	Fri	04:38:00	-6.3	70	2.4	267	98				10.3	112	-4.3	12.7	122	1.0	4.8	99	-2.1	15.2	129	0.9
04/15/22	Fri	19:08:39	-6.3	291	14.9	112	99	6.9	286	-1.1												
04/16/22	Sat	04:36:13	-6.3	69	6.3	254	100				10.2	111	-4.2	12.8	122	1.0	5.0	99	-2.1	15.4	129	0.9
04/16/22	Sat	19:09:57	-6.3	291	2.7	108	100	7.8	286	-1.1												
04/17/22	Sun	04:34:27	-6.3	69	10.0	241	99				10.1	110	-4.2	12.9	121	1.0	5.3	99	-2.1	15.7	130	0.9
04/17/22	Sun	19:11:16	-6.3	292	-10.2	103	98	8.6	286	-1.0												
04/18/22	Mon	04:32:42	-6.3	68	13.3	227	96				10.1	110	-4.2	13.0	121	1.0	5.6	99	-2.1	16.0	130	0.9
04/18/22	Mon	19:12:34	-6.3	292	-22.7	98	93	9.3	286	-0.9												
04/19/22	Tue	04:30:57	-6.3	68	15.8	212	90				10.0	109	-4.2	13.1	121	1.0	5.9	99	-2.1	16.3	130	0.9
04/19/22	Tue	19:13:53	-6.3	293	-34.9	92	86	10.0	287	-0.8												
04/20/22	Wed	04:29:13	-6.3	67	17.5	198	82				9.9	109	-4.2	13.2	121	0.9	6.2	100	-2.1	16.6	131	0.9
04/20/22	Wed	19:15:12	-6.3	293	-46.5	84	77	10.6	287	-0.7												

For observations near Journey Museum. All dates and times in MST.

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
04/30/22	Sat	19:28:25	-6.3	298	-5.2	296	0	12.7	290	0.4													
05/01/22	Sun	04:11:06	-6.3	62	-10.2	56	0				9.3	102	-4.1	14.5	117	0.9	9.7	102	-2.1	19.7	135	0.9	
05/01/22	Sun	04:11:06									Jup 0.6												
05/01/22	Sun	19:29:44	-6.3	298	5.3	291	2	12.5	290	0.6													
05/02/22	Mon	04:09:33	-6.3	61	-13.2	44	3				9.3	101	-4.1	14.7	117	0.9	10.1	102	-2.1	19.9	136	0.9	
05/02/22	Mon	04:09:33									Jup 1.5												
05/02/22	Mon	19:31:03	-6.3	299	15.2	287	5	12.2	291	0.8													
05/02/22	Mon	19:31:03			Mer 5.0																		
05/03/22	Tue	04:08:02	-6.3	61	-15.8	33	6				9.2	100	-4.1	14.8	117	0.9	10.4	102	-2.1	20.2	136	0.9	
05/03/22	Tue	04:08:02									Jup 2.4												
05/03/22	Tue	19:32:22	-6.3	299	24.9	281	10	11.8	291	0.9													
05/04/22	Wed	04:06:32	-6.3	61	-17.8	21	12				9.2	100	-4.1	15.0	117	0.9	10.8	103	-2.1	20.5	137	0.9	
05/04/22	Wed	04:06:32									Jup 3.4												
05/04/22	Wed	19:33:41	-6.3	300	34.2	275	16	11.3	292	1.1													
05/05/22	Thr	04:05:03	-6.3	60	-19.3	9	19				9.2	99	-4.1	15.1	116	0.8	11.1	103	-2.1	20.8	137	0.8	
05/05/22	Thr	04:05:03									Jup 4.3												
05/05/22	Thr	19:35:00	-6.3	300	42.9	267	24	10.7	292	1.3													
05/06/22	Fri	04:03:36	-6.3	60	-20.2	357	27				9.2	98	-4.1	15.3	116	0.8	11.5	103	-2.1	21.1	138	0.8	
05/06/22	Fri	19:36:18	-6.3	301	50.6	256	32	10.1	293	1.6													
05/07/22	Sat	04:02:10	-6.3	59	-20.4	345	35				9.2	98	-4.1	15.5	116	0.8	11.8	103	-2.1	21.4	138	0.8	
05/07/22	Sat	19:37:36	-6.3	301	56.8	241	41	9.3	293	1.8													
05/08/22	Sun	04:00:45	-6.3	59	-19.9	333	45				9.1	97	-4.1	15.7	115	0.8	12.2	104	-2.1	21.7	139	0.8	
05/08/22	Sun	19:38:54	-6.3	301	60.4	220	51	8.5	294	2.1													
05/09/22	Mon	03:59:22	-6.3	58	-18.8	321	54				9.1	97	-4.1	15.8	115	0.8	12.6	104	-2.1	22.0	139	0.8	
05/09/22	Mon	19:40:11	-6.3	302	60.1	197	61	7.6	295	2.3													
05/10/22	Tue	03:58:00	-6.3	58	-16.9	309	64				9.1	96	-4.1	16.0	115	0.8	13.0	104	-2.1	22.3	140	0.8	

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
05/10/22	Tue	19:41:28	-6.3	302	55.9	177	71	6.7	295	2.6												
05/11/22	Wed	03:56:40	-6.3	58	-14.4	296	74				9.1	95	-4.1	16.2	115	0.8	13.3	105	-2.2	22.5	141	0.8
05/11/22	Wed	19:42:44	-6.3	303	48.6	161	80	5.7	296	2.9												
05/12/22	Thr	03:55:21	-6.3	57	-11.1	284	83				9.1	95	-4.1	16.4	115	0.8	13.7	105	-2.2	22.8	141	0.8
05/12/22	Thr	19:44:00	-6.3	303	39.4	149	88	4.6	297	3.3												
05/13/22	Fri	03:54:04	-6.3	57	-7.3	271	90				9.1	94	-4.0	16.6	114	0.8	14.1	105	-2.2	23.1	142	0.8
05/13/22	Fri	19:45:16	-6.3	304	28.9	140	94	3.5	298	3.6												
05/14/22	Sat	03:52:48	-6.3	56	-2.4	258	96				9.1	94	-4.0	16.8	114	0.8	14.5	106	-2.2	23.4	142	0.8
05/15/22	Sun	03:51:35	-6.3	56	1.9	245	99				9.1	93	-4.0	17.0	114	0.8	14.9	106	-2.2	23.7	143	0.8
05/16/22	Mon	03:50:23	-6.3	56	6.4	232	100				9.1	92	-4.0	17.2	114	0.8	15.3	106	-2.2	24.0	144	0.8
05/17/22	Tue	03:49:13	-6.3	55	10.7	218	98				9.2	92	-4.0	17.4	113	0.8	15.7	107	-2.2	24.3	144	0.8
05/18/22	Wed	03:48:05	-6.3	55	14.6	204	92				9.2	91	-4.0	17.6	113	0.8	16.1	107	-2.2	24.6	145	0.8
05/19/22	Thr	03:46:58	-6.3	55	17.6	189	85				9.2	91	-4.0	17.9	113	0.8	16.5	107	-2.2	24.8	145	0.8
05/20/22	Fri	03:45:54	-6.3	54	19.7	175	76				9.2	90	-4.0	18.1	113	0.7	17.0	108	-2.2	25.1	146	0.8
05/21/22	Sat	03:44:51	-6.3	54	20.6	160	65				9.2	90	-4.0	18.4	113	0.7	17.4	108	-2.2	25.4	147	0.8
05/21/22	Sat	03:44:51												Jup 4.6								
05/22/22	Sun	03:43:51	-6.3	54	20.5	146	54				9.3	89	-4.0	18.6	113	0.7	17.8	108	-2.2	25.7	147	0.8
05/22/22	Sun	03:43:51												Jup 4.1								
05/23/22	Mon	03:42:53	-6.3	53	19.3	132	43				9.3	88	-4.0	18.9	112	0.7	18.3	109	-2.2	26.0	148	0.8
05/23/22	Mon	03:42:53												Jup 3.5								
05/24/22	Tue	03:41:56	-6.3	53	17.2	119	32				9.3	88	-4.0	19.1	112	0.7	18.7	109	-2.2	26.2	149	0.8

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
06/05/22	Sun	03:33:38	-6.3	50	-25.5	344	29				10.0	82	-3.9	22.7	111	0.6	24.5	115	-2.3	29.3	159	0.7
06/05/22	Sun	03:33:38												Jup 4.1								
06/06/22	Mon	03:33:12	-6.3	50	-26.6	332	38				10.1	81	-3.9	23.1	111	0.6	25.1	116	-2.3	29.5	160	0.7
06/06/22	Mon	03:33:12												Jup 4.7								
06/07/22	Tue	03:32:48	-6.3	50	-26.8	319	48				10.1	81	-3.9	23.4	111	0.6	25.6	116	-2.3	29.7	161	0.7
06/07/22	Tue	23:51:56	-23	360	11.2	266	57													3.1	113	0.7
06/08/22	Wed	03:32:27	-6.3	49	-25.8	306	59				10.2	81	-3.9	23.8	111	0.6	26.1	117	-2.3	29.9	162	0.7
06/08/22	Wed	23:52:08	-23	360	14.6	254	67													3.8	114	0.7
06/09/22	Thr	03:32:09	-6.3	49	-23.7	292	69				10.3	80	-3.9	24.1	111	0.6	26.7	117	-2.3	30.1	163	0.7
06/09/22	Thr	23:52:20	-23	360	17.4	242	77													4.4	114	0.7
06/10/22	Fri	03:31:53	-6.3	49	-20.4	279	78				10.4	80	-3.9	24.5	111	0.6	27.2	118	-2.3	30.3	164	0.7
06/10/22	Fri	23:52:32	-23	0	19.5	228	86													5.1	115	0.7
06/11/22	Sat	03:31:39	-6.3	49	-15.9	266	87				10.4	79	-3.9	24.9	111	0.6	27.7	119	-2.3	30.5	165	0.7
06/11/22	Sat	23:52:44	-23	360	20.6	213	93													5.8	116	0.7
06/12/22	Sun	03:31:29	-6.3	49	-10.4	253	94				10.5	79	-3.9	25.3	111	0.6	28.3	119	-2.3	30.6	166	0.7
06/12/22	Sun	23:52:56	-23	360	20.6	198	98													6.4	117	0.7
06/13/22	Mon	03:31:20	-6.3	49	-4.0	241	98	3.1	70	0.8	10.6	78	-3.9	25.7	111	0.6	28.9	120	-2.3	30.8	167	0.7
06/13/22	Mon	23:53:09	-23	360	19.4	183	100													7.1	118	0.7
06/14/22	Tue	03:31:15	-6.3	49	2.8	228	100	3.4	70	0.6	10.7	78	-3.9	26.1	111	0.6	29.4	121	-2.3	30.9	168	0.7
06/14/22	Tue	23:53:22	-23	0	17.2	168	99													7.7	118	0.7
06/15/22	Wed	03:31:11	-6.3	49	9.4	215	99	3.7	70	0.5	10.7	78	-3.9	26.5	111	0.6	30.0	122	-2.3	31.1	169	0.7
06/15/22	Wed	23:53:34	-23	360	14.1	154	95													8.4	119	0.7
06/16/22	Thr	03:31:11	-6.3	49	15.8	202	94	4.0	70	0.4	10.8	77	-3.9	26.9	111	0.6	30.5	122	-2.3	31.2	170	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
06/16/22	Thr	23:53:47	-23	360	10.4	140	88													9.0	120	0.7	
06/17/22	Fri	03:31:13	-6.3	49	21.4	188	87	4.2	69	0.4	10.9	77	-3.9	27.3	111	0.6	31.1	123	-2.4	31.3	171	0.7	
06/17/22	Fri	23:54:00	-23	0	6.5	127	80													9.7	121	0.7	
06/18/22	Sat	03:31:17	-6.3	49	26.0	174	78	4.4	69	0.3	11.0	77	-3.9	27.7	111	0.6	31.7	124	-2.4	31.4	173	0.7	
06/18/22	Sat	23:54:13	-23	360	2.5	114	70													10.3	122	0.7	
06/19/22	Sun	03:31:24	-6.3	49	29.1	160	68	4.6	69	0.2	11.1	76	-3.9	28.2	111	0.5	32.2	125	-2.4	31.5	174	0.7	
06/19/22	Sun	23:54:26	-23	0	-1.1	102	59													10.9	122	0.7	
06/20/22	Mon	03:31:33	-6.3	49	30.6	145	58	4.7	69	0.1	11.1	76	-3.9	28.6	111	0.5	32.8	126	-2.4	31.5	175	0.7	
06/20/22	Mon	23:54:39	-23	0	-5.4	90	48													11.6	123	0.6	
06/21/22	Tue	03:31:45	-6.3	49	30.5	130	47	4.8	68	0.0	11.2	76	-3.9	29.0	111	0.5	33.4	127	-2.4	31.6	176	0.6	
06/21/22	Tue	03:31:45			Jup 4.3																		
06/21/22	Tue	23:54:52	-23	360	-8.9	78	38													12.2	124	0.6	
06/22/22	Wed	03:32:00	-6.3	49	28.9	117	37	4.9	68	-0.1	11.3	75	-3.9	29.5	112	0.5	33.9	127	-2.4	31.6	177	0.6	
06/22/22	Wed	03:32:00			Mars 4.4																		
06/22/22	Wed	23:55:05	-23	360	-11.8	67	29													12.8	125	0.6	
06/23/22	Thr	03:32:17	-6.3	49	26.0	104	27	5.0	67	-0.2	11.4	75	-3.9	29.9	112	0.5	34.5	128	-2.4	31.6	179	0.6	
06/23/22	Thr	23:55:18	-23	360	-14.4	55	20													13.4	126	0.6	
06/24/22	Fri	03:32:36	-6.3	49	22.1	92	19	5.0	67	-0.2	11.4	75	-3.9	30.4	112	0.5	35.1	129	-2.4	31.6	180	0.6	
06/24/22	Fri	23:55:31	-23	360	-16.5	44	13													14.0	127	0.6	
06/25/22	Sat	03:32:58	-6.3	49	17.3	81	12	5.0	66	-0.3	11.5	74	-3.9	30.9	112	0.5	35.7	130	-2.4	31.6	181	0.6	
06/25/22	Sat	23:55:44	-23	0	-18.1	32	7													14.6	127	0.6	
06/26/22	Sun	03:33:22	-6.3	49	12.0	71	6	5.0	66	-0.4	11.6	74	-3.9	31.3	112	0.5	36.2	131	-2.4	31.6	182	0.6	
06/26/22	Sun	03:33:22			Ven 2.9																		
06/26/22	Sun	23:55:57	-23	360	-19.2	21	3													15.2	128	0.6	
06/27/22	Mon	03:33:48	-6.3	49	6.2	62	3	4.9	65	-0.5	11.7	74	-3.9	31.8	112	0.5	36.8	132	-2.4	31.5	184	0.6	

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
06/27/22	Mon	03:33:48			Mer 3.8																	
06/27/22	Mon	23:56:09	-23	0	-19.8	9	1													15.8	129	0.6
06/28/22	Tue	03:34:17	-6.3	49	0.5	53	0	4.8	65	-0.6	11.7	73	-3.9	32.3	112	0.5	37.4	133	-2.4	31.4	185	0.6
06/28/22	Tue	23:56:21	-23	360	-19.9	358	0													16.4	130	0.6
06/29/22	Wed	03:34:47	-6.3	49	-6.3	44	0	4.6	64	-0.6	11.8	73	-3.9	32.8	113	0.5	37.9	134	-2.4	31.3	186	0.6
06/29/22	Wed	23:56:33	-23	360	-19.4	346	1													16.9	131	0.6
06/30/22	Thr	03:35:20	-6.3	49	-12.6	35	2	4.4	63	-0.7	11.9	73	-3.9	33.3	113	0.5	38.5	136	-2.4	31.2	188	0.6
06/30/22	Thr	23:56:44	-23	360	-18.5	335	4										3.5	91	-2.4	17.5	132	0.6
07/01/22	Fri	03:35:55	-6.3	49	-18.8	26	5	4.2	62	-0.8	11.9	73	-3.9	33.8	113	0.5	39.0	137	-2.4	31.1	189	0.6
07/01/22	Fri	23:56:56	-23	360	-17.1	323	9										4.2	91	-2.5	18.1	133	0.6
07/02/22	Sat	03:36:32	-6.3	49	-24.6	16	10	3.9	62	-0.9	12.0	72	-3.9	34.3	113	0.4	39.6	138	-2.5	30.9	190	0.6
07/02/22	Sat	23:57:07	-23	0	-15.1	312	15										4.9	92	-2.5	18.6	134	0.6
07/03/22	Sun	03:37:11	-6.3	49	-30.0	5	16	3.5	61	-1.0	12.0	72	-3.9	34.8	113	0.4	40.1	139	-2.5	30.7	191	0.6
07/03/22	Sun	23:57:18	-23	0	-12.8	301	23										5.6	93	-2.5	19.1	135	0.6
07/04/22	Mon	03:37:52	-6.3	50	-34.7	353	24	3.2	60	-1.0	12.1	72	-3.9	35.3	114	0.4	40.6	140	-2.5	30.5	193	0.6
07/04/22	Mon	23:57:29	-23	360	-10.0	289	32										6.3	93	-2.5	19.7	136	0.6
07/05/22	Tue	03:38:35	-6.3	50	-38.2	340	33				12.1	72	-3.8	35.8	114	0.4	41.1	142	-2.5	30.3	194	0.6
07/05/22	Tue	23:57:39	-23	0	-6.9	278	42										7.0	94	-2.5	20.2	137	0.6
07/06/22	Wed	03:39:20	-6.3	50	-40.1	325	43				12.2	72	-3.8	36.3	114	0.4	41.6	143	-2.5	30.1	195	0.6
07/06/22	Wed	23:57:49	-23	0	-3.0	266	52										7.7	95	-2.5	20.7	138	0.5
07/07/22	Thr	03:40:07	-6.3	50	-40.2	309	54				12.2	71	-3.8	36.8	114	0.4	42.1	144	-2.5	29.8	197	0.5
07/07/22	Thr	23:57:58	-24	0	0.8	254	63										8.4	95	-2.5	21.2	139	0.5
07/08/22	Fri	03:40:55	-6.3	50	-38.0	294	65				12.2	71	-3.8	37.3	115	0.4	42.6	146	-2.5	29.5	198	0.5

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/08/22	Fri	23:58:07	-24	360	4.5	242	73										9.0	96	-2.5	21.7	140	0.5
07/09/22	Sat	03:41:46	-6.3	50	-33.7	279	75				12.3	71	-3.8	37.9	115	0.4	43.1	147	-2.5	29.2	200	0.5
07/09/22	Sat	23:58:16	-24	0	8.3	229	83										9.7	97	-2.5	22.2	141	0.5
07/10/22	Sun	03:42:37	-6.3	51	-27.4	265	84				12.3	71	-3.8	38.4	115	0.4	43.6	149	-2.5	28.9	201	0.5
07/10/22	Sun	23:58:24	-24	360	12.1	216	91										10.4	97	-2.5	22.6	142	0.5
07/11/22	Mon	03:43:31	-6.3	51	-19.7	253	92				12.3	71	-3.8	38.9	116	0.4	44.0	150	-2.5	28.6	202	0.5
07/11/22	Mon	23:58:32	-24	0	15.4	201	97										11.1	98	-2.5	23.1	143	0.5
07/12/22	Tue	03:44:26	-6.3	51	-10.8	242	97				12.4	71	-3.8	39.5	116	0.4	44.4	152	-2.5	28.2	203	0.5
07/12/22	Tue	23:58:39	-24	360	18.0	187	100										11.8	99	-2.5	23.5	144	0.5
07/13/22	Wed	03:45:22	-6.3	51	-0.5	232	100				12.4	71	-3.8	40.0	116	0.4	44.8	153	-2.5	27.8	205	0.5
07/13/22	Wed	23:58:46	-24	0	19.6	171	99										12.5	99	-2.5	23.9	145	0.5
07/14/22	Thr	03:46:20	-6.3	52	8.8	221	99				12.4	70	-3.8	40.5	117	0.4	45.2	155	-2.5	27.4	206	0.5
07/14/22	Thr	23:58:52	-24	360	20.1	156	96										13.2	100	-2.5	24.4	146	0.5
07/15/22	Fri	03:47:19	-6.3	52	18.4	211	96				12.4	70	-3.8	41.1	117	0.3	45.6	156	-2.5	26.9	207	0.5
07/15/22	Fri	23:58:58	-25	360	19.6	141	91										13.9	101	-2.6	24.8	147	0.5
07/16/22	Sat	03:48:19	-6.3	52	27.3	199	90				12.4	70	-3.8	41.6	117	0.3	45.9	158	-2.6	26.5	209	0.5
07/16/22	Sat	23:59:03	-25	360	18.0	127	83										14.6	101	-2.6	25.2	148	0.5
07/17/22	Sun	03:49:20	-6.3	52	35.1	187	81				12.4	70	-3.8	42.1	118	0.3	46.2	160	-2.6	26.0	210	0.5
07/17/22	Sun	23:59:08	-25	0	15.5	114	74										15.3	102	-2.6	25.5	149	0.5
07/18/22	Mon	03:50:23	-6.3	53	41.2	172	72				12.4	70	-3.8	42.7	118	0.3	46.5	161	-2.6	25.5	211	0.5
07/18/22	Mon	23:59:12	-25	0	12.5	101	64										16.0	103	-2.6	25.9	150	0.5
07/18/22	Mon	23:59:12			Jup 3.8																	
07/19/22	Tue	03:51:27	-6.3	53	45.2	156	62				12.3	70	-3.8	43.2	119	0.3	46.8	163	-2.6	25.0	213	0.5
07/19/22	Tue	23:59:15	-25	0	8.9	89	53							3.2	74	0.3	16.6	104	-2.6	26.3	151	0.5

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/20/22	Wed	03:52:32	-6.3	53	46.5	139	52				12.3	70	-3.8	43.8	119	0.3	47.1	165	-2.6	24.4	214	0.5
07/20/22	Wed	23:59:19	-26	0	5.1	78	43							3.6	74	0.3	17.3	104	-2.6	26.6	152	0.5
07/20/22	Wed	23:59:19			Mars 4.0																	
07/21/22	Thr	03:53:38	-6.3	54	45.3	122	42				12.3	70	-3.8	44.3	119	0.3	47.3	167	-2.6	23.9	215	0.5
07/21/22	Thr	03:53:38			Mars 2.3																	
07/21/22	Thr	23:59:21	-26	0	1.3	67	34							3.9	75	0.3	18.0	105	-2.6	26.9	153	0.4
07/22/22	Fri	03:54:45	-6.3	54	41.8	108	32				12.3	70	-3.8	44.9	120	0.3	47.5	168	-2.6	23.3	216	0.4
07/22/22	Fri	23:59:23	-26	0	-2.8	57	25							4.3	75	0.3	18.7	106	-2.6	27.3	154	0.4
07/23/22	Sat	03:55:52	-6.3	54	36.6	95	23				12.2	70	-3.8	45.4	120	0.3	47.7	170	-2.6	22.7	218	0.4
07/23/22	Sat	23:59:25	-26	0	-7.4	47	17							4.7	75	0.3	19.3	106	-2.6	27.6	155	0.4
07/24/22	Sun	03:57:01	-6.3	55	30.1	84	16				12.2	70	-3.8	45.9	121	0.3	47.8	172	-2.6	22.1	219	0.4
07/24/22	Sun	23:59:26	-26	360	-11.5	36	11							5.0	75	0.3	20.0	107	-2.6	27.8	156	0.4
07/25/22	Mon	03:58:10	-6.3	55	22.9	75	10				12.1	70	-3.8	46.5	121	0.3	47.9	174	-2.6	21.5	220	0.4
07/25/22	Mon	23:59:26	-27	0	-15.3	26	6							5.4	75	0.3	20.7	108	-2.6	28.1	157	0.4
07/26/22	Tue	03:59:20	-6.3	55	15.1	68	5				12.1	70	-3.8	47.0	122	0.3	48.0	176	-2.6	20.8	221	0.4
07/26/22	Tue	03:59:20			Ven 3.7																	
07/26/22	Tue	23:59:26	-27	0	-18.8	15	2							5.8	75	0.2	21.3	109	-2.6	28.4	159	0.4
07/27/22	Wed	04:00:31	-6.3	56	6.9	61	2				12.0	70	-3.8	47.6	122	0.2	48.1	178	-2.6	20.1	222	0.4
07/27/22	Wed	23:59:25	-27	0	-22.0	4	0							6.1	75	0.2	22.0	110	-2.6	28.6	160	0.4
07/28/22	Thr	04:01:43	-6.3	56	-1.1	54	0				12.0	70	-3.8	48.1	123	0.2	48.1	180	-2.6	19.5	224	0.4
07/28/22	Thr	23:59:23	-27	0	-24.5	352	0							6.5	75	0.2	22.7	110	-2.6	28.8	161	0.4
07/29/22	Fri	04:02:55	-6.3	56	-10.5	48	1				11.9	70	-3.8	48.6	123	0.2	48.1	182	-2.6	18.8	225	0.4
07/29/22	Fri	23:59:21	-28	0	-26.3	340	2							6.9	75	0.2	23.3	111	-2.7	29.1	162	0.4
07/30/22	Sat	04:04:07	-6.3	57	-19.2	41	3				11.8	70	-3.8	49.2	124	0.2	48.0	183	-2.7	18.1	226	0.4

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/30/22	Sat	23:59:19	-28	360	-27.2	328	6							7.2	75	0.2	24.0	112	-2.7	29.3	163	0.4
07/31/22	Sun	04:05:20	-6.3	57	-27.8	33	7				11.7	70	-3.8	49.7	125	0.2	47.9	185	-2.7	17.3	227	0.4
07/31/22	Sun	23:59:15	-28	0	-27.1	315	12							7.6	75	0.2	24.6	113	-2.7	29.4	164	0.4
08/01/22	Mon	04:06:33	-6.3	58	-36.2	25	13				11.7	70	-3.8	50.2	125	0.2	47.8	187	-2.7	16.6	228	0.4
08/01/22	Mon	23:59:11	-28	360	-25.9	302	19							7.9	75	0.2	25.2	114	-2.7	29.6	165	0.4
08/02/22	Tue	04:07:47	-6.3	58	-44.0	14	20				11.6	70	-3.8	50.8	126	0.2	47.7	189	-2.7	15.8	229	0.4
08/02/22	Tue	23:59:07	-29	0	-23.6	289	28							8.3	76	0.2	25.9	114	-2.7	29.8	166	0.4
08/03/22	Wed	04:09:01	-6.3	58	-50.6	360	29				11.5	70	-3.8	51.3	126	0.2	47.5	191	-2.7	15.1	230	0.4
08/03/22	Wed	23:59:02	-29	0	-20.2	276	38							8.6	76	0.2	26.5	115	-2.7	29.9	168	0.4
08/04/22	Thr	04:10:15	-6.3	59	-55.0	341	39				11.4	70	-3.8	51.8	127	0.2	47.3	193	-2.7	14.3	232	0.4
08/04/22	Thr	23:58:56	-29	360	-15.8	264	48							9.0	76	0.2	27.1	116	-2.7	30.0	169	0.4
08/05/22	Fri	04:11:30	-6.3	59	-56.2	320	50				11.3	70	-3.8	52.3	128	0.2	47.0	195	-2.7	13.5	233	0.4
08/05/22	Fri	23:58:49	-29	360	-10.5	252	59							9.3	76	0.2	27.7	117	-2.7	30.1	170	0.3
08/06/22	Sat	04:12:45	-6.3	60	-53.4	299	61				11.2	71	-3.8	52.8	128	0.2	46.8	197	-2.7	12.7	234	0.3
08/06/22	Sat	23:58:42	-30	0	-4.4	240	70							9.6	76	0.1	28.4	118	-2.7	30.2	171	0.3
08/07/22	Sun	04:14:00	-6.3	60	-47.0	281	72				11.0	71	-3.8	53.4	129	0.1	46.5	199	-2.7	11.9	235	0.3
08/07/22	Sun	19:42:24	-6.3	300	19.1	175	79	3.1	281	-0.3												
08/07/22	Sun	23:58:35	-30	360	2.3	228	80							10.0	76	0.1	29.0	119	-2.7	30.3	172	0.3
08/08/22	Mon	04:15:15	-6.3	60	-38.2	268	82				10.9	71	-3.8	53.9	130	0.1	46.1	201	-2.7	11.0	236	0.3
08/08/22	Mon	19:40:53	-6.3	299	15.5	161	87	3.2	280	-0.2												
08/08/22	Mon	23:58:26	-30	360	8.9	216	89							10.3	76	0.1	29.6	120	-2.7	30.4	173	0.3
08/09/22	Tue	04:16:30	-6.3	61	-27.8	257	90				10.8	71	-3.8	54.4	130	0.1	45.8	202	-2.7	10.2	237	0.3
08/09/22	Tue	19:39:20	-6.3	299	10.9	147	94	3.2	279	-0.2										3.4	115	0.3
08/09/22	Tue	23:58:18	-30	0	15.4	203	95							10.6	76	0.1	30.2	120	-2.7	30.4	174	0.3
08/10/22	Wed	04:17:45	-6.3	61	-16.5	249	96				10.7	71	-3.8	54.9	131	0.1	45.4	204	-2.7	9.4	238	0.3

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/10/22	Wed	19:37:47	-6.3	298	5.9	133	98	3.3	278	-0.2										3.8	115	0.3
08/10/22	Wed	23:58:08	-31	360	21.3	190	99						11.0	76	0.1	30.8	121	-2.7	30.5	176	0.3	
08/11/22	Thr	04:19:00	-6.3	62	-4.4	242	99				10.5	71	-3.8	55.4	132	0.1	44.9	206	-2.7	8.5	239	0.3
08/11/22	Thr	19:36:12	-6.3	298	0.8	119	100	3.3	277	-0.1										4.2	116	0.3
08/11/22	Thr	23:57:58	-31	0	26.2	175	100						11.3	76	0.1	31.3	122	-2.7	30.5	177	0.3	
08/11/22	Thr	23:57:58			Sat 4.6																	
08/12/22	Fri	04:20:16	-6.3	62	7.6	235	100				10.4	72	-3.8	55.8	133	0.1	44.5	208	-2.7	7.7	240	0.3
08/12/22	Fri	04:20:16			Sat 4.9																	
08/12/22	Fri	19:34:36	-6.3	297	-4.9	106	98	3.4	276	-0.1										4.5	116	0.3
08/12/22	Fri	23:57:48	-31	0	29.6	159	98						11.6	76	0.1	31.9	123	-2.8	30.5	178	0.3	
08/13/22	Sat	04:21:31	-6.3	63	19.4	228	97				10.2	72	-3.8	56.3	134	0.1	44.0	210	-2.8	6.8	241	0.3
08/13/22	Sat	19:32:59	-6.3	297	-9.8	93	94	3.4	275	-0.1										4.9	117	0.3
08/13/22	Sat	23:57:37	-32	360	31.2	144	93						12.0	77	0.1	32.5	124	-2.8	30.5	179	0.3	
08/14/22	Sun	04:22:46	-6.3	63	30.7	220	92				10.1	72	-3.8	56.8	134	0.1	43.5	211	-2.8	5.9	242	0.3
08/14/22	Sun	19:31:20	-6.3	297	-14.0	80	88	3.4	274	0.0										5.3	117	0.3
08/14/22	Sun	23:57:25	-32	0	30.9	128	86						12.3	77	0.1	33.0	125	-2.8	30.5	180	0.3	
08/14/22	Sun	23:57:25			Jup 3.4																	
08/15/22	Mon	04:24:02	-6.3	64	41.2	211	85				9.9	72	-3.8	57.3	135	0.1	42.9	213	-2.8	5.0	243	0.3
08/15/22	Mon	04:24:02			Jup 2.2																	
08/15/22	Mon	19:29:41	-6.3	296	-17.4	67	80	3.4	273	0.0										5.7	118	0.3
08/15/22	Mon	23:57:13	-32	0	28.9	114	78						12.6	77	0.1	33.6	126	-2.8	30.5	181	0.3	
08/16/22	Tue	04:25:17	-6.3	64	50.4	199	76				9.8	72	-3.8	57.8	136	0.1	42.4	215	-2.8	4.2	244	0.3
08/16/22	Tue	19:28:01	-6.3	296	-19.9	54	71	3.4	272	0.0										6.1	118	0.3
08/16/22	Tue	23:57:00	-33	0	25.5	100	69						12.9	77	0.0	34.1	127	-2.8	30.4	182	0.3	
08/17/22	Wed	04:26:32	-6.3	65	57.5	182	67				9.6	73	-3.8	58.2	137	0.0	41.8	216	-2.8	3.3	245	0.3
08/17/22	Wed	19:26:20	-6.3	295	-21.5	41	61	3.3	271	0.0										6.5	119	0.3
08/17/22	Wed	23:56:47	-33	0	21.0	88	59						13.2	77	0.0	34.7	128	-2.8	30.3	184	0.3	

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/18/22	Thr	04:27:47	-6.3	65	61.4	161	57				9.4	73	-3.8	58.7	138	0.0	41.2	218	-2.8			
08/18/22	Thr	19:24:38	-6.3	295	-22.2	28	51	3.3	270	0.0										6.8	119	0.3
08/18/22	Thr	23:56:33	-33	0	15.8	77	49						13.6	77	0.0	35.2	129	-2.8	30.3	185	0.3	
08/18/22	Thr	23:56:33			Mars 2.2																	
08/19/22	Fri	04:29:03	-6.3	66	61.1	137	47				9.3	73	-3.8	59.1	139	0.0	40.5	219	-2.8			
08/19/22	Fri	04:29:03			Mars 2.2																	
08/19/22	Fri	19:22:55	-6.3	294	-22.0	16	41	3.2	270	0.0										7.2	120	0.3
08/19/22	Fri	23:56:19	-34	0	10.1	67	40						13.9	77	0.0	35.7	130	-2.8	30.2	186	0.3	
08/20/22	Sat	04:30:18	-6.3	66	57.0	117	38				9.1	73	-3.8	59.6	140	0.0	39.9	221	-2.8			
08/20/22	Sat	19:21:11	-6.3	294	-21.1	3	32	3.2	269	0.1										7.6	120	0.3
08/20/22	Sat	23:56:05	-34	360	4.1	58	30						14.2	77	0.0	36.2	131	-2.8	30.1	187	0.3	
08/21/22	Sun	04:31:33	-6.3	67	50.3	102	29				8.9	73	-3.9	60.0	141	0.0	39.2	223	-2.8			
08/21/22	Sun	19:19:26	-6.3	293	-19.4	352	24	3.1	268	0.1										7.9	121	0.3
08/21/22	Sun	23:55:50	-34	0	-1.8	49	22						14.5	77	0.0	36.7	132	-2.8	30.0	188	0.3	
08/22/22	Mon	04:32:47	-6.3	67	42.2	92	21				8.7	74	-3.9	60.4	142	0.0	38.5	224	-2.8			
08/22/22	Mon	19:17:41	-6.3	293	-17.1	340	16													8.3	121	0.3
08/22/22	Mon	23:55:34	-35	0	-8.8	40	15						14.8	78	0.0	37.2	133	-2.8	29.8	189	0.3	
08/23/22	Tue	04:34:02	-6.3	68	33.3	84	14				8.6	74	-3.9	60.9	143	0.0	37.8	226	-2.8			
08/23/22	Tue	19:15:55	-6.3	292	-14.3	329	10													8.6	122	0.3
08/23/22	Tue	23:55:18	-35	0	-15.1	31	9						15.1	78	0.0	37.7	134	-2.8	29.7	190	0.3	
08/24/22	Wed	04:35:17	-6.3	68	23.8	78	8				8.4	74	-3.9	61.3	144	0.0	37.0	227	-2.8			
08/24/22	Wed	19:14:09	-6.3	292	-11.1	317	5													9.0	122	0.3
08/24/22	Wed	23:55:02	-35	0	-21.2	21	4						15.5	78	0.0	38.2	136	-2.8	29.5	191	0.3	
08/25/22	Thr	04:36:31	-6.3	69	14.0	73	4				8.2	75	-3.9	61.7	145	0.0	36.3	228	-2.8			
08/25/22	Thr	19:12:21	-6.3	291	-7.6	306	2													9.3	123	0.3
08/25/22	Thr	23:54:45	-36	360	-26.9	10	1						15.8	78	-0.1	38.7	137	-2.8	29.4	192	0.3	
08/26/22	Fri	04:37:45	-6.3	69	4.0	69	1				8.0	75	-3.9	62.1	147	-0.1	35.5	230	-2.8			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/26/22	Fri	19:10:33	-6.3	291	-3.4	295	0													9.7	123	0.3
08/26/22	Fri	23:54:28	-36	360	-32.0	359	0						16.1	78	-0.1	39.1	138	-2.8	29.2	193	0.3	
08/27/22	Sat	04:39:00	-6.3	70	-6.6	65	0				7.8	75	-3.9	62.5	148	-0.1	34.7	231	-2.8			
08/27/22	Sat	19:08:45	-6.3	290	0.7	284	1													10.0	124	0.3
08/27/22	Sat	23:54:11	-36	0	-36.0	346	1						16.4	78	-0.1	39.5	139	-2.8	29.0	194	0.3	
08/28/22	Sun	04:40:14	-6.3	70	-17.1	60	1				7.6	75	-3.9	62.8	149	-0.1	33.9	233	-2.8			
08/28/22	Sun	19:06:56	-6.3	290	4.3	272	3													10.3	124	0.3
08/28/22	Sun	23:53:53	-37	0	-38.6	331	4						16.7	78	-0.1	40.0	140	-2.8	28.8	195	0.3	
08/29/22	Mon	04:41:27	-6.3	71	-27.6	56	5				7.4	76	-3.9	63.2	150	-0.1	33.1	234	-2.8			
08/29/22	Mon	19:05:06	-6.3	289	7.9	260	8													10.7	125	0.3
08/29/22	Mon	23:53:35	-37	0	-39.4	316	9						17.0	78	-0.1	40.4	141	-2.9	28.6	197	0.3	
08/30/22	Tue	04:42:41	-6.3	71	-38.2	50	10				7.2	76	-3.9	63.6	152	-0.1	32.2	235	-2.9			
08/30/22	Tue	19:03:16	-6.3	288	11.3	248	14													11.0	125	0.3
08/30/22	Tue	23:53:16	-37	0	-38.2	300	16						17.3	79	-0.1	40.8	142	-2.9	28.3	198	0.3	
08/31/22	Wed	04:43:54	-6.3	72	-48.5	41	17				7.0	76	-3.9	63.9	153	-0.1	31.4	236	-2.9			
08/31/22	Wed	19:01:25	-6.3	288	14.2	235	22													11.3	126	0.3
08/31/22	Wed	23:52:58	-38	360	-35.0	286	24						17.7	79	-0.1	41.2	144	-2.9	28.1	199	0.3	
09/01/22	Thr	04:45:07	-6.3	72	-58.0	29	26				6.8	77	-3.9	64.2	154	-0.1	30.5	238	-2.9			
09/01/22	Thr	18:59:34	-6.3	287	16.5	222	32													11.7	126	0.3
09/01/22	Thr	23:52:38	-38	0	-29.9	272	34						18.0	79	-0.1	41.6	145	-2.9	27.8	200	0.3	
09/02/22	Fri	04:46:20	-6.3	73	-65.5	8	36				6.6	77	-3.9	64.6	156	-0.1	29.6	239	-2.9			
09/02/22	Fri	18:57:43	-6.3	287	18.0	208	43													12.0	126	0.3
09/02/22	Fri	23:52:19	-38	360	-23.4	260	45						18.3	79	-0.2	41.9	146	-2.9	27.6	201	0.3	
09/03/22	Sat	04:47:33	-6.3	73	-68.4	337	47				6.3	77	-3.9	64.9	157	-0.2	28.7	240	-2.9			
09/03/22	Sat	18:55:51	-6.3	286	18.5	194	54													12.3	127	0.3
09/03/22	Sat	23:51:59	-39	0	-15.7	248	56						18.6	79	-0.2	42.3	147	-2.9	27.3	202	0.3	

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/04/22	Sun	04:48:46	-6.3	74	-64.6	306	58				6.1	78	-3.9	65.2	159	-0.2	27.8	241	-2.9			
09/04/22	Sun	18:53:59	-6.3	286	18.0	180	65													12.6	127	0.3
09/04/22	Sun	23:51:39	-39	0	-7.2	238	67							18.9	79	-0.2	42.6	149	-2.9	27.0	203	0.3
09/05/22	Mon	04:49:58	-6.3	74	-56.0	286	70				5.9	78	-3.9	65.4	160	-0.2	26.9	243	-2.9			
09/05/22	Mon	18:52:07	-6.3	285	16.5	165	76													12.9	128	0.3
09/05/22	Mon	23:51:19	-40	360	2.1	228	78							19.2	79	-0.2	42.9	150	-2.9	26.7	204	0.3
09/06/22	Tue	04:51:10	-6.3	75	-45.1	275	80				5.7	79	-3.9	65.7	162	-0.2	26.0	244	-2.9			
09/06/22	Tue	18:50:14	-6.3	285	14.1	151	85													13.2	128	0.3
09/06/22	Tue	23:50:59	-40	360	11.1	217	87							19.5	80	-0.2	43.3	151	-2.9	26.4	205	0.3
09/07/22	Wed	04:52:22	-6.3	75	-33.2	267	88				5.5	79	-3.9	66.0	164	-0.2	25.0	245	-2.9			
09/07/22	Wed	18:48:21	-6.3	284	10.8	136	92													13.5	129	0.3
09/07/22	Wed	23:50:38	-40	360	20.1	206	94							19.9	80	-0.2	43.5	153	-2.9	26.1	206	0.3
09/08/22	Thr	04:53:34	-6.3	76	-20.8	261	95				5.2	79	-3.9	66.2	165	-0.2	24.1	246	-2.9			
09/08/22	Thr	18:46:28	-6.3	284	7.0	123	97													13.8	129	0.4
09/08/22	Thr	23:50:17	-41	0	28.4	194	98							20.2	80	-0.2	43.8	154	-2.9	25.8	207	0.4
09/09/22	Fri	04:54:45	-6.3	77	-8.1	257	99				5.0	80	-3.9	66.4	167	-0.2	23.1	247	-2.9			
09/09/22	Fri	18:44:35	-6.3	283	3.0	109	100													14.1	130	0.4
09/09/22	Fri	23:49:56	-41	0	35.5	180	100							20.5	80	-0.3	44.1	155	-2.9	25.5	207	0.4
09/10/22	Sat	04:55:57	-6.3	77	4.8	253	100				4.8	80	-3.9	66.6	169	-0.3	22.2	248	-2.9			
09/10/22	Sat	18:42:41	-6.3	283	-1.0	96	99													14.4	130	0.4
09/10/22	Sat	23:49:35	-41	0	40.7	164	99							20.8	80	-0.3	44.3	157	-2.9	25.1	208	0.4
09/11/22	Sun	04:57:08	-6.3	78	17.1	249	98				4.6	81	-3.9	66.8	170	-0.3	21.2	249	-2.9			
09/11/22	Sun	04:57:08			Jup 4.1																	
09/11/22	Sun	18:40:48	-6.3	282	-5.6	83	96													14.7	131	0.4
09/11/22	Sun	23:49:14	-42	360	43.4	146	96							21.2	81	-0.3	44.6	158	-2.9	24.8	209	0.4
09/12/22	Mon	04:58:19	-6.3	78	29.2	244	94				4.3	81	-3.9	67.0	172	-0.3	20.2	250	-2.9			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/12/22	Mon	18:38:54	-6.3	282	-9.4	70	91													15.0	131	0.4
09/12/22	Mon	23:48:52	-42	360	43.2	129	90							21.5	81	-0.3	44.8	159	-2.9	24.4	210	0.4
09/13/22	Tue	04:59:30	-6.3	79	40.7	239	89				4.1	81	-3.9	67.1	174	-0.3	19.3	251	-2.9			
09/13/22	Tue	18:37:01	-6.3	281	-12.6	58	85													15.3	132	0.4
09/13/22	Tue	23:48:31	-43	0	40.5	112	83							21.8	81	-0.3	45.0	161	-2.9	24.1	211	0.4
09/14/22	Wed	05:00:41	-6.3	79	51.5	231	81				3.9	82	-3.9	67.2	176	-0.3	18.3	252	-2.9			
09/14/22	Wed	18:35:07	-6.3	280	-15.3	46	77													15.6	132	0.4
09/14/22	Wed	23:48:10	-43	360	35.8	98	75							22.2	81	-0.3	45.1	162	-2.9	23.7	212	0.4
09/15/22	Thr	05:01:52	-6.3	80	61.1	219	73				3.6	82	-3.9	67.3	178	-0.3	17.3	253	-2.9			
09/15/22	Thr	18:33:14	-6.3	280	-17.3	33	68													15.9	133	0.4
09/15/22	Thr	23:47:48	-43	360	29.7	86	66							22.5	81	-0.3	45.3	164	-2.9	23.3	213	0.4
09/16/22	Fri	05:03:03	-6.3	80	68.5	198	64				3.4	83	-3.9	67.4	180	-0.3	16.3	254	-2.9			
09/16/22	Fri	18:31:20	-6.3	279	-18.7	21	58													16.2	133	0.4
09/16/22	Fri	23:47:27	-44	0	22.7	76	56							22.9	82	-0.4	45.5	165	-2.9	22.9	214	0.4
09/16/22	Fri	23:47:27			Mars 4.7																	
09/17/22	Sat	05:04:14	-6.3	81	71.3	166	54				3.2	83	-3.9	67.5	182	-0.4	15.3	255	-2.9			
09/17/22	Sat	18:29:27	-6.3	279	-19.4	9	49													16.4	134	0.4
09/17/22	Sat	23:47:05	-44	360	15.2	68	47							23.2	82	-0.4	45.6	167	-2.9	22.5	215	0.4
09/18/22	Sun	05:05:24	-6.3	81	68.1	136	45							67.5	184	-0.4	14.3	256	-2.9			
09/18/22	Sun	18:27:33	-6.3	278	-19.4	357	39													16.7	134	0.4
09/18/22	Sun	23:46:44	-45	0	7.4	60	37							23.6	82	-0.4	45.7	168	-2.9	22.1	216	0.4
09/19/22	Mon	05:06:35	-6.3	82	60.9	117	35							67.6	186	-0.4	13.2	257	-2.9			
09/19/22	Mon	18:25:40	-6.3	278	-18.8	345	30													17.0	135	0.4
09/19/22	Mon	23:46:22	-45	0	-0.3	52	28							23.9	82	-0.4	45.8	169	-2.9	21.7	217	0.4
09/20/22	Tue	05:07:45	-6.3	83	51.9	106	27							67.6	188	-0.4	12.2	258	-2.9			
09/20/22	Tue	18:23:47	-6.3	277	-17.6	333	22													17.3	135	0.4
09/20/22	Tue	23:46:01	-45	0	-9.2	45	20							24.3	82	-0.4	45.8	171	-2.9	21.3	217	0.4

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/21/22	Wed	05:08:56	-6.3	83	42.1	98	19							67.5	190	-0.4	11.2	259	-2.9			
09/21/22	Wed	18:21:54	-6.3	277	-15.8	321	15													17.5	136	0.4
09/21/22	Wed	23:45:40	-46	0	-17.5	37	13							24.6	83	-0.4	45.9	172	-2.9	20.8	218	0.4
09/22/22	Thr	05:10:07	-6.3	84	31.8	94	12							67.5	192	-0.4	10.2	260	-2.9			
09/22/22	Thr	18:20:02	-6.3	276	-13.4	310	8										3.3	93	-2.9	17.8	136	0.4
09/22/22	Thr	23:45:19	-46	0	-25.7	29	7							25.0	83	-0.5	45.9	174	-2.9	20.4	219	0.4
09/23/22	Fri	05:11:17	-6.3	84	21.1	90	6							67.4	194	-0.5	9.2	261	-2.9			
09/23/22	Fri	18:18:10	-6.3	275	-10.5	298	4										3.7	93	-2.9	18.1	137	0.4
09/23/22	Fri	23:44:58	-46	0	-33.5	19	3							25.4	83	-0.5	46.0	175	-2.9	20.0	220	0.4
09/24/22	Sat	05:12:28	-6.3	85	10.1	86	2							67.3	196	-0.5	8.1	262	-2.9			
09/24/22	Sat	18:16:18	-6.3	275	-7.2	286	1										4.2	94	-2.9	18.3	137	0.4
09/24/22	Sat	23:44:37	-47	0	-40.7	7	1							25.8	83	-0.5	45.9	177	-2.9	19.5	221	0.4
09/25/22	Sun	05:13:38	-6.3	85	-0.7	84	0							67.2	198	-0.5	7.1	263	-2.9			
09/25/22	Sun	18:14:26	-6.3	274	-3.2	274	0										4.6	94	-2.9	18.6	138	0.4
09/25/22	Sun	23:44:17	-47	360	-46.5	352	0							26.1	84	-0.5	45.9	178	-2.9	19.1	222	0.4
09/26/22	Mon	05:14:49	-6.3	86	-12.9	81	0							67.1	200	-0.5	6.1	264	-2.9			
09/26/22	Mon	18:12:35	-6.3	274	0.7	262	1										5.0	95	-2.9	18.9	138	0.4
09/26/22	Mon	23:43:56	-48	360	-50.2	335	2							26.5	84	-0.5	45.9	180	-2.9	18.6	222	0.4
09/27/22	Tue	05:15:59	-6.3	86	-24.6	77	3							66.9	202	-0.5	5.1	265	-2.9			
09/27/22	Tue	18:10:44	-6.3	273	4.3	250	5										5.4	95	-2.9	19.1	139	0.4
09/27/22	Tue	23:43:36	-48	0	-50.9	315	6							26.9	84	-0.5	45.8	181	-2.9	18.1	223	0.4
09/28/22	Wed	05:17:10	-6.3	87	-36.3	73	8							66.7	204	-0.5	4.1	266	-2.9			
09/28/22	Wed	18:08:53	-6.3	273	8.0	237	11										5.8	96	-2.9	19.4	139	0.5
09/28/22	Wed	23:43:16	-48	0	-48.1	296	13							27.3	85	-0.6	45.7	183	-2.9	17.6	224	0.5
09/29/22	Thr	05:18:21	-6.3	87	-47.9	67	14	4.4	92	2.1				66.5	206	-0.6	3.1	267	-2.9			
09/29/22	Thr	18:07:03	-6.3	272	11.3	224	19										6.2	96	-2.9	19.6	140	0.5

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/29/22	Thr	23:42:56	-49	360	-42.5	279	21							27.7	85	-0.6	45.7	184	-2.9	17.2	225	0.5
09/30/22	Fri	05:19:31	-6.3	88	-59.0	57	23	5.7	93	1.6				66.2	208	-0.6						
09/30/22	Fri	18:05:13	-6.3	272	14.2	210	28										6.6	97	-2.9	19.9	140	0.5
09/30/22	Fri	23:42:37	-49	0	-34.7	266	31							28.2	85	-0.6	45.5	186	-2.9	16.7	226	0.5
10/01/22	Sat	05:20:42	-6.3	89	-68.6	38	33	7.0	94	1.2				66.0	210	-0.6						
10/01/22	Sat	18:03:24	-6.3	271	16.3	196	39										7.1	97	-2.9	20.1	141	0.5
10/01/22	Sat	23:42:17	-50	360	-25.6	255	42							28.6	85	-0.6	45.4	187	-2.9	16.2	226	0.5
10/02/22	Sun	05:21:53	-6.3	89	-73.5	1	44	8.0	94	0.8				65.7	212	-0.6						
10/02/22	Sun	18:01:36	-6.3	271	17.6	182	51										7.5	98	-2.9	20.4	141	0.5
10/02/22	Sun	23:41:58	-50	0	-15.5	246	53							29.0	86	-0.6	45.2	189	-2.9	15.7	227	0.5
10/03/22	Mon	05:23:03	-6.3	90	-69.7	321	56	8.9	95	0.5				65.4	214	-0.6						
10/03/22	Mon	17:59:47	-6.3	270	18.0	168	62										7.9	98	-2.9	20.6	142	0.5
10/03/22	Mon	23:41:40	-50	360	-4.9	238	65							29.4	86	-0.6	45.1	190	-2.9	15.2	228	0.5
10/04/22	Tue	05:24:14	-6.3	90	-60.3	300	67	9.7	96	0.2				65.0	216	-0.7						
10/04/22	Tue	17:58:00	-6.3	270	17.3	153	73										8.3	99	-2.9	20.9	142	0.5
10/04/22	Tue	23:41:21	-51	0	6.1	230	75							29.9	86	-0.7	44.9	191	-2.9	14.7	229	0.5
10/05/22	Wed	05:25:25	-6.3	91	-48.9	289	77	10.3	96	-0.1				64.7	218	-0.7						
10/05/22	Wed	17:56:13	-6.3	269	15.7	139	82										8.8	99	-2.9	21.1	143	0.5
10/05/22	Wed	23:41:03	-51	0	16.8	222	84							30.3	87	-0.7	44.7	193	-2.9	14.2	230	0.5
10/06/22	Thr	05:26:36	-6.3	91	-36.9	283	86	10.7	97	-0.3				64.3	220	-0.7						
10/06/22	Thr	17:54:27	-6.3	268	13.3	125	90										9.2	100	-2.9	21.3	143	0.5
10/06/22	Thr	23:40:46	-51	360	27.3	213	92							30.8	87	-0.7	44.5	194	-2.9	13.6	230	0.5
10/07/22	Fri	05:27:47	-6.3	92	-24.5	279	93	11.0	97	-0.4				63.9	221	-0.7						
10/07/22	Fri	17:52:41	-6.3	268	10.1	112	96										9.6	100	-2.9	21.6	144	0.5
10/07/22	Fri	23:40:29	-52	0	37.1	202	97							31.3	88	-0.7	44.2	196	-2.9	13.1	231	0.5
10/08/22	Sat	05:28:59	-6.3	92	-12.2	275	98	11.1	97	-0.6				63.4	223	-0.7						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
10/08/22	Sat	17:50:56	-6.3	267	6.5	98	99									10.1	101	-2.9	21.8	144	0.5	
10/08/22	Sat	17:50:56			Jup 4.2																	
10/08/22	Sat	23:40:12	-52	0	45.6	188	100					31.7	88	-0.7	44.0	197	-2.9	12.6	232	0.5		
10/09/22	Sun	05:30:10	-6.3	93	0.6	272	100	11.1	98	-0.7		63.0	225	-0.7								
10/09/22	Sun	17:49:12	-6.3	267	2.7	86	100								10.5	101	-2.9	22.1	145	0.5		
10/09/22	Sun	23:39:56	-53	0	51.8	171	100					32.2	88	-0.8	43.7	198	-2.9	12.0	233	0.5		
10/10/22	Mon	05:31:22	-6.3	93	12.3	269	99	11.0	98	-0.7		62.5	227	-0.8								
10/10/22	Mon	17:47:29	-6.3	266	-1.0	74	98								10.9	102	-2.9	22.3	145	0.5		
10/10/22	Mon	23:39:40	-53	360	54.9	150	98					32.7	89	-0.8	43.4	200	-2.9	11.5	233	0.5		
10/11/22	Tue	05:32:33	-6.3	94	24.0	265	97	10.8	99	-0.8		62.0	228	-0.8								
10/11/22	Tue	17:45:46	-6.3	266	-5.5	62	95								11.4	102	-2.9	22.5	146	0.5		
10/11/22	Tue	23:39:24	-53	0	54.0	129	94					33.2	89	-0.8	43.1	201	-2.9	11.0	234	0.5		
10/12/22	Wed	05:33:45	-6.3	94	35.3	261	92	10.6	99	-0.8		61.5	230	-0.8								
10/12/22	Wed	17:44:05	-6.3	265	-9.3	50	89								11.8	103	-2.9	22.7	146	0.5		
10/12/22	Wed	23:39:09	-54	0	49.8	111	88					33.7	90	-0.8	42.8	202	-2.9	10.4	235	0.5		
10/13/22	Thr	05:34:57	-6.3	95	46.1	256	86	10.2	99	-0.9		60.9	232	-0.8								
10/13/22	Thr	17:42:24	-6.3	265	-12.6	38	83								12.2	103	-2.9	23.0	147	0.5		
10/13/22	Thr	23:38:55	-54	0	43.3	97	81					34.3	90	-0.8	42.4	204	-2.9	9.9	235	0.5		
10/14/22	Fri	05:36:09	-6.3	95	56.2	248	79	9.8	100	-0.9		60.4	233	-0.8								
10/14/22	Fri	17:40:44	-6.3	264	-15.5	27	75								12.7	104	-2.9	23.2	148	0.5		
10/14/22	Fri	23:38:41	-55	0	35.5	86	72					34.8	90	-0.9	42.1	205	-2.9	9.3	236	0.5		
10/14/22	Fri	23:38:41			Mars 3.7																	
10/15/22	Sat	05:37:21	-6.3	96	65.0	234	70	9.3	100	-0.9		59.8	235	-0.9								
10/15/22	Sat	17:39:05	-6.3	264	-17.8	15	66								13.1	104	-2.9	23.4	148	0.5		
10/15/22	Sat	23:38:28	-55	0	26.9	77	64					35.3	91	-0.9	41.7	206	-2.9	8.7	237	0.5		
10/16/22	Sun	05:38:34	-6.3	97	71.2	209	61	8.8	100	-0.9		59.2	236	-0.9								
10/16/22	Sun	17:37:27	-6.3	263	-19.6	3	57								13.5	105	-2.9	23.6	149	0.5		

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
10/16/22	Sun	23:38:16	-55	0	18.0	70	54							35.9	91	-0.9	41.3	208	-2.9	8.2	238	0.5
10/17/22	Mon	05:39:47	-6.3	97	72.0	174	52	8.2	101	-1.0				58.5	238	-0.9						
10/17/22	Mon	17:35:50	-6.3	263	-20.8	351	47										14.0	105	-2.9	23.8	149	0.5
10/17/22	Mon	23:38:04	-56	360	8.7	64	45							36.5	92	-0.9	41.0	209	-2.9	7.6	238	0.5
10/18/22	Tue	05:41:00	-6.3	98	67.0	146	42	7.6	101	-1.0				57.9	239	-0.9						
10/18/22	Tue	17:34:14	-6.3	262	-21.3	339	38										14.4	106	-2.9	24.1	150	0.6
10/18/22	Tue	23:37:52	-56	0	-0.3	59	36							37.0	92	-0.9	40.5	210	-2.9	7.0	239	0.6
10/19/22	Wed	05:42:13	-6.3	98	58.7	130	33	7.0	101	-1.0				57.2	241	-1.0						
10/19/22	Wed	17:32:39	-6.3	262	-21.0	327	29										14.9	107	-2.9	24.3	150	0.6
10/19/22	Wed	23:37:41	-56	360	-10.7	53	27							37.6	93	-1.0	40.1	212	-2.9	6.5	240	0.6
10/20/22	Thr	05:43:26	-6.3	99	49.0	121	24	6.4	102	-1.0				56.5	242	-1.0						
10/20/22	Thr	17:31:05	-6.3	261	-19.9	315	20										15.3	107	-2.9	24.5	151	0.6
10/20/22	Thr	23:37:31	-57	360	-20.5	47	18							38.2	93	-1.0	39.7	213	-2.9	5.9	240	0.6
10/21/22	Fri	05:44:40	-6.3	99	38.6	115	16	5.8	102	-1.0				55.8	244	-1.0						
10/21/22	Fri	17:29:33	-6.3	261	-18.1	302	13										15.8	108	-2.9	24.7	152	0.6
10/21/22	Fri	23:37:22	-57	360	-30.3	40	11							38.8	94	-1.0	39.2	214	-2.9	5.3	241	0.6
10/22/22	Sat	05:45:53	-6.3	100	27.6	110	10	5.1	102	-1.0				55.1	245	-1.0						
10/22/22	Sat	17:28:01	-6.3	260	-15.5	290	7										16.2	108	-2.9	24.9	152	0.6
10/22/22	Sat	23:37:13	-57	360	-40.0	31	6							39.5	95	-1.0	38.8	215	-2.9	4.7	242	0.6
10/23/22	Sun	05:47:07	-6.3	100	16.1	107	4	4.5	103	-1.0				54.4	247	-1.0						
10/23/22	Sun	17:26:31	-6.3	260	-12.2	277	2										16.7	109	-2.8	25.1	153	0.6
10/23/22	Sun	23:37:05	-58	0	-49.0	20	2							40.1	95	-1.1	38.3	216	-2.8	4.1	242	0.6
10/24/22	Mon	05:48:21	-6.3	100	4.5	103	1	3.8	103	-1.1				53.6	248	-1.1						
10/24/22	Mon	05:48:21			Mer 0.7																	
10/24/22	Mon	17:25:02	-6.3	259	-8.2	265	0										17.1	109	-2.8	25.3	153	0.6
10/24/22	Mon	23:36:58	-58	360	-56.6	3	0							40.8	96	-1.1	37.8	218	-2.8	3.5	243	0.6
10/25/22	Tue	05:49:36	-6.3	101	-7.9	100	0	3.2	103	-1.1				52.8	249	-1.1						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
10/25/22	Tue	17:23:35	-6.3	259	-3.4	252	0										17.6	110	-2.8	25.5	154	0.6
10/25/22	Tue	23:36:51	-58	0	-60.9	339	1				41.4	96	-1.1	37.3	219	-2.8						
10/26/22	Wed	05:50:50	-6.3	101	-20.0	96	1				52.0	250	-1.1									
10/26/22	Wed	17:22:08	-6.3	258	1.4	240	3										18.0	110	-2.8	25.7	155	0.6
10/26/22	Wed	23:36:45	-59	360	-60.3	313	4				42.1	97	-1.1	36.8	220	-2.8						
10/27/22	Thr	05:52:04	-6.3	102	-32.2	91	6				51.2	252	-1.1									
10/27/22	Thr	17:20:43	-6.3	258	6.0	227	8										18.5	111	-2.8	25.9	155	0.6
10/27/22	Thr	23:36:40	-59	0	-54.7	290	10				42.8	98	-1.1	36.3	221	-2.8						
10/28/22	Fri	05:53:19	-6.3	102	-44.2	85	12				50.4	253	-1.2									
10/28/22	Fri	17:19:19	-6.3	257	10.6	214	16										18.9	112	-2.8	26.1	156	0.6
10/28/22	Fri	23:36:36	-59	360	-45.9	275	18				43.5	98	-1.2	35.8	222	-2.8						
10/29/22	Sat	05:54:34	-6.3	103	-55.5	74	21				49.5	254	-1.2									
10/29/22	Sat	17:17:57	-6.3	257	14.7	200	25										19.4	112	-2.8	26.3	157	0.6
10/29/22	Sat	23:36:32	-60	360	-35.5	264	28				44.2	99	-1.2	35.3	223	-2.8						
10/30/22	Sun	05:55:49	-6.3	103	-65.0	56	31				48.7	256	-1.2									
10/30/22	Sun	17:16:36	-6.3	256	18.1	186	36										19.8	113	-2.8	26.4	157	0.6
10/30/22	Sun	23:36:29	-60	0	-24.2	256	39				44.9	100	-1.2	34.7	224	-2.8						
10/31/22	Mon	05:57:04	-6.3	104	-70.3	25	42				47.8	257	-1.2									
10/31/22	Mon	17:15:17	-6.3	256	20.6	172	47										20.3	113	-2.8	26.6	158	0.6
10/31/22	Mon	23:36:27	-60	360	-12.6	249	50				45.6	101	-1.2	34.2	225	-2.8						
11/01/22	Tue	05:58:18	-6.3	104	-68.1	349	53				46.9	258	-1.2									
11/01/22	Tue	17:13:59	-6.3	256	22.0	158	58										20.8	114	-2.8	26.8	158	0.6
11/01/22	Tue	17:13:59			Sat 4.9																	
11/01/22	Tue	23:36:26	-61	0	-0.2	243	61				46.4	101	-1.3	33.6	226	-2.8						
11/02/22	Wed	05:59:33	-6.3	105	-60.2	326	64				46.0	259	-1.3									
11/02/22	Wed	17:12:43	-6.3	255	22.1	143	69										21.2	115	-2.8	27.0	159	0.6

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
11/02/22	Wed	23:36:26	-61	360	11.1	237	72							47.1	102	-1.3	33.0	228	-2.8			
11/03/22	Thr	06:00:48	-6.3	105	-49.9	313	75							45.0	260	-1.3						
11/03/22	Thr	17:11:28	-6.3	255	21.1	129	79										21.7	115	-2.8	27.1	160	0.6
11/03/22	Thr	23:36:26	-61	360	22.7	231	81							47.9	103	-1.3	32.4	229	-2.8			
11/04/22	Fri	06:02:03	-6.3	106	-38.9	305	84							44.1	261	-1.3						
11/04/22	Fri	17:10:15	-6.3	254	18.9	115	87										22.1	116	-2.8	27.3	161	0.6
11/04/22	Fri	17:10:15			Jup 3.3																	
11/04/22	Fri	23:36:27	-62	0	34.0	225	89							48.7	104	-1.3	31.9	230	-2.8			
11/04/22	Fri	23:36:27			Jup 4.8																	
11/05/22	Sat	06:03:18	-6.3	106	-27.5	300	91							43.1	263	-1.3						
11/05/22	Sat	17:09:03	-6.3	254	15.8	102	93										22.6	117	-2.8	27.5	161	0.6
11/05/22	Sat	23:36:29	-62	0	44.6	216	95							49.5	105	-1.4	31.3	231	-2.8			
11/06/22	Sun	06:04:33	-6.3	106	-16.1	295	96							42.2	264	-1.4						
11/06/22	Sun	17:07:54	-6.3	253	12.0	90	98										23.1	117	-2.8	27.6	162	0.6
11/06/22	Sun	23:36:31	-62	360	54.1	203	98							50.3	106	-1.4	30.7	232	-2.8			
11/07/22	Mon	06:05:48	-6.3	107	-4.7	291	99							41.2	265	-1.4						
11/07/22	Mon	17:06:46	-6.3	253	7.7	78	100										23.5	118	-2.8	27.8	163	0.6
11/07/22	Mon	23:36:35	-63	0	61.4	184	100							51.1	107	-1.4	30.0	233	-2.8			
11/08/22	Tue	06:07:03	-6.3	107	6.5	287	100							40.2	266	-1.4						
11/08/22	Tue	17:05:39	-6.3	253	3.2	67	100										24.0	118	-2.8	27.9	163	0.6
11/08/22	Tue	23:36:39	-63	0	64.8	159	99							51.9	108	-1.4	29.4	234	-2.8			
11/09/22	Wed	06:08:18	-6.3	108	17.2	283	99							39.2	267	-1.4						
11/09/22	Wed	17:04:35	-6.3	252	-1.3	56	98										24.5	119	-2.7	28.1	164	0.7
11/09/22	Wed	23:36:45	-63	360	63.0	132	97							52.7	109	-1.4	28.8	235	-2.7			
11/10/22	Thr	06:09:32	-6.3	108	27.7	278	96							38.1	268	-1.4						
11/10/22	Thr	17:03:32	-6.3	252	-6.7	45	94										24.9	120	-2.7	28.2	165	0.7
11/10/22	Thr	23:36:51	-63	360	57.2	112	92							53.6	110	-1.5	28.2	235	-2.7			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
11/19/22	Sat	16:55:36	-6.3	249	-26.4	298	18										29.2	126	-2.7	29.3	172	0.7
11/19/22	Sat	23:38:24	-66	360	-32.8	56	16				61.2	124	-1.6	22.2	244	-2.7						
11/20/22	Sun	06:21:45	-6.3	112	31.2	134	14				27.3	279	-1.7									
11/20/22	Sun	16:54:53	-6.3	248	-23.6	284	11										29.6	127	-2.7	29.4	173	0.7
11/20/22	Sun	23:38:39	-66	360	-43.9	49	9				62.1	126	-1.7	21.6	245	-2.7						
11/21/22	Mon	06:22:56	-6.3	112	20.1	128	7				26.2	280	-1.7									
11/21/22	Mon	16:54:13	-6.3	248	-19.6	271	5										30.1	128	-2.7	29.5	174	0.7
11/21/22	Mon	23:38:54	-66	360	-54.7	39	4				62.9	128	-1.7	20.9	245	-2.7						
11/22/22	Tue	06:24:07	-6.3	112	8.6	122	3				25.1	281	-1.7									
11/22/22	Tue	16:53:34	-6.3	248	-14.4	258	1										30.6	129	-2.7	29.6	174	0.7
11/22/22	Tue	23:39:10	-66	0	-64.1	21	1				63.7	130	-1.7	20.2	246	-2.7						
11/23/22	Wed	06:25:17	-6.3	113	-3.0	116	0				24.0	282	-1.7									
11/23/22	Wed	16:52:58	-6.3	247	-8.4	246	0										31.1	129	-2.6	29.6	175	0.7
11/23/22	Wed	23:39:28	-67	0	-69.4	349	0				64.5	132	-1.7	19.5	247	-2.6						
11/24/22	Thr	06:26:26	-6.3	113	-15.4	110	1				22.8	283	-1.7									
11/24/22	Thr	16:52:25	-6.3	247	-1.1	234	2										31.5	130	-2.6	29.7	176	0.7
11/24/22	Thr	23:39:45	-67	0	-66.9	313	3				65.3	135	-1.7	18.8	248	-2.6						
11/25/22	Fri	06:27:35	-6.3	113	-27.1	103	4				21.7	284	-1.7									
11/25/22	Fri	16:51:53	-6.3	247	5.4	222	6										32.0	131	-2.6	29.7	177	0.7
11/25/22	Fri	23:40:04	-67	0	-58.3	289	8				66.0	137	-1.8	18.1	249	-2.6						
11/26/22	Sat	06:28:42	-6.3	113	-38.3	94	10				20.6	285	-1.8									
11/26/22	Sat	16:51:24	-6.3	247	12.1	209	13										32.5	132	-2.6	29.8	178	0.7
11/26/22	Sat	23:40:23	-67	360	-47.1	276	15				66.7	140	-1.8	17.4	250	-2.6						
11/27/22	Sun	06:29:49	-6.3	114	-48.2	81	18				19.4	286	-1.8									
11/27/22	Sun	16:50:57	-6.3	246	18.4	196	22										32.9	133	-2.6	29.8	179	0.7
11/27/22	Sun	23:40:43	-67	360	-35.0	269	25				67.4	143	-1.8	16.7	250	-2.6						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
11/28/22	Mon	06:30:55	-6.3	114	-55.8	64	28							18.3	287	-1.8						
11/28/22	Mon	16:50:32	-6.3	246	23.8	183	32										33.4	134	-2.6	29.8	180	0.7
11/28/22	Mon	23:41:04	-67	360	-22.7	263	35							68.0	146	-1.8	16.0	251	-2.6			
11/29/22	Tue	06:32:01	-6.3	114	-59.7	40	38							17.2	288	-1.8						
11/29/22	Tue	16:50:10	-6.3	246	28.1	168	43										33.9	134	-2.6	29.9	181	0.7
11/29/22	Tue	23:41:25	-68	360	-10.3	259	46							68.6	150	-1.8	15.3	252	-2.6			
11/30/22	Wed	06:33:05	-6.3	114	-58.7	15	50							16.1	289	-1.8						
11/30/22	Wed	16:49:50	-6.3	246	30.8	154	54										34.3	135	-2.6	29.9	182	0.7
11/30/22	Wed	23:41:47	-68	360	2.3	255	58							69.1	153	-1.8	14.6	253	-2.6			
12/01/22	Thr	06:34:08	-6.3	115	-53.5	355	61							15.0	291	-1.8						
12/01/22	Thr	16:49:32	-6.3	245	31.8	139	65										34.8	136	-2.6	29.9	182	0.7
12/01/22	Thr	16:49:32			Jup 3.5																	
12/01/22	Thr	23:42:10	-68	360	14.1	251	68							69.6	157	-1.8	13.8	254	-2.6			
12/01/22	Thr	23:42:10			Jup 2.8																	
12/02/22	Fri	06:35:10	-6.3	115	-45.9	340	71							13.8	292	-1.8						
12/02/22	Fri	16:49:17	-6.3	245	31.1	124	75							3.7	58	-1.8	35.2	137	-2.6	29.9	183	0.7
12/02/22	Fri	23:42:33	-68	360	25.8	247	78							70.0	160	-1.8	13.1	254	-2.6			
12/03/22	Sat	06:36:10	-6.3	115	-37.0	329	80							12.8	293	-1.8						
12/03/22	Sat	16:49:04	-6.3	245	28.7	110	83							4.5	59	-1.9	35.7	138	-2.6	29.8	184	0.7
12/03/22	Sat	23:42:57	-68	0	37.3	242	86							70.3	164	-1.9	12.4	255	-2.6			
12/04/22	Sun	06:37:10	-6.3	115	-27.5	321	88							11.7	294	-1.9						
12/04/22	Sun	16:48:53	-6.3	245	25.0	97	90							5.3	60	-1.9	36.1	139	-2.6	29.8	185	0.7
12/04/22	Sun	23:43:21	-68	360	48.2	235	92							70.6	168	-1.9	11.7	256	-2.6			
12/05/22	Mon	06:38:08	-6.3	115	-17.8	314	94							10.6	295	-1.9						
12/05/22	Mon	16:48:45	-6.3	245	20.3	85	95							6.2	61	-1.9	36.6	140	-2.6	29.8	186	0.7
12/05/22	Mon	23:43:46	-68	360	58.3	225	97							70.8	173	-1.9	11.0	257	-2.6			
12/06/22	Tue	06:39:05	-6.3	116	-8.2	308	98							9.5	296	-1.9						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
12/06/22	Tue	16:48:39	-6.3	244	14.8	74	99							7.0	62	-1.9	37.0	141	-2.5	29.7	187	0.7	
12/06/22	Tue	23:44:11	-69	0	66.7	207	99							70.9	177	-1.9	10.3	258	-2.5				
12/07/22	Wed	06:40:01	-6.3	116	1.8	302	100							8.5	297	-1.9							
12/07/22	Wed	16:48:36	-6.3	244	8.7	64	100							7.9	63	-1.9	37.4	142	-2.5	29.6	188	0.7	
12/07/22	Wed	16:48:36			Mars 1.8																		
12/07/22	Wed	23:44:37	-69	360	71.4	177	100							70.9	181	-1.9	9.5	258	-2.5				
12/07/22	Wed	23:44:37			Mars 1.3																		
12/08/22	Thr	06:40:55	-6.3	116	10.8	295	100							7.4	298	-1.9							
12/08/22	Thr	06:40:55			Mars 4.2																		
12/08/22	Thr	16:48:35	-6.3	244	2.6	55	99							8.8	63	-1.9	37.9	143	-2.5	29.6	189	0.7	
12/08/22	Thr	23:45:04	-69	0	69.7	143	99							70.8	185	-1.9	8.8	259	-2.5				
12/09/22	Fri	06:41:48	-6.3	116	19.7	289	98							6.4	299	-1.8							
12/09/22	Fri	16:48:36	-6.3	244	-4.1	46	97							9.7	64	-1.8	38.3	144	-2.5	29.5	190	0.8	
12/09/22	Fri	23:45:31	-69	0	63.0	120	96							70.7	189	-1.8	8.1	260	-2.5				
12/10/22	Sat	06:42:39	-6.3	116	28.1	281	95							5.4	300	-1.8							
12/10/22	Sat	16:48:40	-6.3	244	-10.8	37	93	3.2	229	-0.6				10.6	65	-1.8	38.7	145	-2.5	29.4	191	0.8	
12/10/22	Sat	23:45:58	-69	360	54.1	108	91							70.5	193	-1.8	7.4	261	-2.5				
12/11/22	Sun	06:43:29	-6.3	116	35.8	272	90							4.5	301	-1.8							
12/11/22	Sun	16:48:46	-6.3	244	-17.1	28	87	3.6	229	-0.6				11.5	66	-1.8	39.1	147	-2.5	29.3	192	0.8	
12/11/22	Sun	23:46:25	-69	360	44.4	100	85							70.2	197	-1.8	6.7	261	-2.5				
12/12/22	Mon	06:44:17	-6.3	116	42.5	261	83							3.5	302	-1.8							
12/12/22	Mon	16:48:54	-6.3	244	-23.1	18	80	3.9	228	-0.6				12.4	67	-1.8	39.5	148	-2.5	29.1	193	0.8	
12/12/22	Mon	23:46:54	-69	360	34.2	95	78							69.8	201	-1.8	6.0	262	-2.5				
12/13/22	Tue	16:49:05	-6.3	244	-28.7	8	72	4.3	228	-0.6				13.4	68	-1.7	39.9	149	-2.5	29.0	194	0.8	
12/13/22	Tue	23:47:22	-69	0	23.8	91	70							69.4	205	-1.7	5.3	263	-2.5				
12/14/22	Wed	16:49:18	-6.3	243	-33.5	356	63	4.7	228	-0.6				14.3	69	-1.7	40.3	150	-2.5	28.9	195	0.8	

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/14/22	Wed	23:47:51	-69	360	13.2	87	61							68.9	208	-1.7	4.6	264	-2.5			
12/15/22	Thr	16:49:34	-6.3	243	-37.4	343	54	5.1	228	-0.6				15.3	70	-1.7	40.7	151	-2.5	28.7	197	0.8
12/15/22	Thr	23:48:19	-69	360	2.5	84	51							68.3	212	-1.7	3.9	265	-2.5			
12/16/22	Fri	16:49:51	-6.3	243	-39.9	329	44	5.4	228	-0.6				16.2	71	-1.7	41.0	152	-2.5	28.5	198	0.8
12/16/22	Fri	23:48:49	-69	360	-9.0	81	41							67.7	215	-1.7	3.2	265	-2.5			
12/17/22	Sat	16:50:11	-6.3	243	-40.6	314	34	5.7	227	-0.6				17.2	72	-1.6	41.4	154	-2.5	28.3	199	0.8
12/17/22	Sat	23:49:18	-69	360	-20.4	78	31							67.1	218	-1.6						
12/18/22	Sun	16:50:34	-6.3	243	-39.2	298	24	6.1	227	-0.6				18.2	73	-1.6	41.8	155	-2.5	28.1	200	0.8
12/18/22	Sun	23:49:48	-69	0	-32.1	74	22							66.4	221	-1.6						
12/19/22	Mon	16:50:58	-6.3	243	-35.5	283	16	6.4	227	-0.6	3.1	232	-3.9	19.1	74	-1.6	42.1	156	-2.5	27.9	201	0.8
12/19/22	Mon	23:50:17	-69	0	-44.0	69	13							65.7	224	-1.6						
12/20/22	Tue	16:51:25	-6.3	243	-29.9	269	8	6.6	228	-0.6	3.3	232	-3.9	20.1	74	-1.6	42.4	158	-2.4	27.7	202	0.8
12/20/22	Tue	23:50:47	-69	360	-55.9	60	7							64.9	226	-1.5						
12/21/22	Wed	16:51:54	-6.3	243	-22.6	257	3	6.9	228	-0.6	3.6	232	-3.9	21.1	75	-1.5	42.7	159	-2.4	27.4	203	0.8
12/21/22	Wed	23:51:17	-69	360	-66.7	43	2							64.2	229	-1.5						
12/22/22	Thr	16:52:26	-6.3	243	-14.0	245	0	7.0	228	-0.5	3.8	232	-3.9	22.1	76	-1.5	43.0	160	-2.4	27.1	204	0.8
12/22/22	Thr	16:52:26						Ven 5.0														
12/22/22	Thr	23:51:47	-69	360	-73.3	7	0							63.4	231	-1.5						
12/23/22	Fri	16:52:59	-6.3	243	-4.5	234	1	7.2	228	-0.5	4.0	232	-3.9	23.0	77	-1.5	43.3	162	-2.4	26.9	205	0.8
12/23/22	Fri	16:52:59						Ven 4.6														
12/23/22	Fri	23:52:17	-69	0	-70.1	322	1							62.5	233	-1.5						
12/24/22	Sat	16:53:34	-6.3	243	5.4	224	4	7.2	229	-0.4	4.2	232	-3.9	24.0	78	-1.4	43.6	163	-2.4	26.6	206	0.8
12/24/22	Sat	16:53:34			Mer 4.9			Ven 4.1														
12/24/22	Sat	23:52:47	-69	0	-60.0	299	5							61.7	235	-1.4						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/25/22	Sun	16:54:12	-6.3	243	15.0	214	10	7.2	229	-0.3	4.5	232	-3.9	25.0	79	-1.4	43.8	164	-2.4	26.3	207	0.8
12/25/22	Sun	16:54:12						Ven 3.5														
12/25/22	Sun	23:53:17	-69	0	-47.9	288	12						60.9	237	-1.4							
12/26/22	Mon	16:54:51	-6.3	243	24.2	203	18	7.1	230	-0.2	4.7	231	-3.9	26.0	80	-1.4	44.1	166	-2.4	25.9	208	0.8
12/26/22	Mon	16:54:51						Ven 2.8														
12/26/22	Mon	23:53:46	-69	0	-35.2	281	21						60.0	239	-1.4							
12/27/22	Tue	16:55:32	-6.3	243	32.5	191	28	6.9	231	0.0	4.9	231	-3.9	26.9	81	-1.3	44.3	167	-2.4	25.6	209	0.8
12/27/22	Tue	16:55:32						Ven 2.0														
12/27/22	Tue	23:54:16	-69	360	-22.5	277	31						59.2	241	-1.3							
12/28/22	Wed	16:56:15	-6.3	243	39.2	177	39	6.5	232	0.2	5.2	231	-3.9	27.9	82	-1.3	44.5	169	-2.4	25.2	210	0.8
12/28/22	Wed	16:56:15						Ven 1.4														
12/28/22	Wed	23:54:45	-69	360	-10.1	273	42						58.3	242	-1.3							
12/29/22	Thr	16:57:00	-6.3	244	43.9	161	50	6.1	233	0.5	5.4	231	-3.9	28.9	83	-1.3	44.7	170	-2.4	24.9	212	0.8
12/29/22	Thr	16:57:00						Ven 1.7														
12/29/22	Thr	23:55:14	-69	360	2.4	270	53						57.5	244	-1.3							
12/30/22	Fri	16:57:47	-6.3	244	46.1	143	60	5.4	234	0.8	5.7	231	-3.9	29.9	84	-1.2	44.9	172	-2.4	24.5	213	0.8
12/30/22	Fri	16:57:47						Ven 2.8														
12/30/22	Fri	23:55:43	-69	0	14.0	267	63						56.6	245	-1.2							
12/31/22	Sat	16:58:36	-6.3	244	45.6	126	70	4.7	236	1.3	5.9	231	-3.9	30.8	84	-1.2	45.0	173	-2.4	24.1	214	0.8
12/31/22	Sat	16:58:36						Ven 4.3														
12/31/22	Sat	23:56:12	-69	0	25.5	263	73						55.8	247	-1.2							
01/01/23	Sun	16:59:26	-6.3	244	42.5	110	79	3.7	237	1.8	6.2	231	-3.9	31.8	85	-1.2	45.2	175	-2.4	23.7	215	0.8
01/01/23	Sun	23:56:40	-69	0	36.6	259	81						54.9	248	-1.2							
01/02/23	Mon	17:00:18	-6.3	244	37.5	97	86				6.4	232	-3.9	32.8	86	-1.2	45.3	176	-2.4	23.3	216	0.8
01/02/23	Mon	23:57:08	-69	360	47.3	254	88						54.1	249	-1.1							
01/03/23	Tue	17:01:11	-6.3	244	31.2	86	92				6.7	232	-3.9	33.7	87	-1.1	45.4	178	-2.4	22.8	217	0.8

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
01/14/23	Sat	17:12:30	-6.3	246	-53.6	346	51				9.7	233	-3.9	43.8	98	-0.8	45.0	195	-2.3	17.1	228	0.8
01/15/23	Sun	00:02:04	-67	360	-6.8	98	48							44.5	262	-0.8						
01/15/23	Sun	06:51:12	-6.3	114	33.3	192	45	5.9	125	1.1												
01/15/23	Sun	17:13:39	-6.3	247	-55.8	326	41				9.9	234	-3.9	44.7	98	-0.7	44.9	197	-2.3	16.5	229	0.8
01/16/23	Mon	00:02:25	-67	0	-18.5	94	38							43.8	263	-0.7						
01/16/23	Mon	06:50:44	-6.3	113	28.7	178	35	6.6	126	0.8												
01/16/23	Mon	17:14:49	-6.3	247	-54.4	305	30				10.2	234	-3.9	45.6	99	-0.7	44.7	198	-2.3	15.9	230	0.8
01/17/23	Tue	00:02:46	-67	0	-30.4	90	27							43.0	263	-0.7						
01/17/23	Tue	06:50:14	-6.3	113	22.6	166	25	7.1	127	0.6												
01/17/23	Tue	17:15:59	-6.3	247	-49.3	286	20				10.5	234	-3.9	46.5	100	-0.7	44.5	200	-2.3	15.3	231	0.8
01/18/23	Wed	00:03:06	-67	360	-42.5	84	18							42.3	264	-0.7						
01/18/23	Wed	06:49:42	-6.3	113	15.5	153	15	7.5	128	0.4												
01/18/23	Wed	17:17:11	-6.3	247	-41.3	271	12				10.8	234	-3.9	47.3	101	-0.6	44.2	202	-2.3	14.6	232	0.8
01/18/23	Wed	17:17:11									Sat 4.4											
01/19/23	Thr	00:03:24	-66	360	-54.5	74	10							41.6	265	-0.6						
01/19/23	Thr	06:49:08	-6.3	112	7.6	142	8	7.8	128	0.3												
01/19/23	Thr	17:18:23	-6.3	248	-31.3	260	5				11.1	235	-3.9	48.2	102	-0.6	44.0	203	-2.3	14.0	233	0.8
01/19/23	Thr	17:18:23									Sat 3.3											
01/20/23	Fri	00:03:43	-66	360	-65.1	57	4							40.9	266	-0.6						
01/20/23	Fri	06:48:32	-6.3	112	-0.2	130	3	8.0	129	0.2												
01/20/23	Fri	17:19:36	-6.3	248	-20.1	251	1				11.4	235	-3.9	49.0	104	-0.6	43.7	205	-2.2	13.3	234	0.8
01/20/23	Fri	17:19:36									Sat 2.2											
01/21/23	Sat	00:04:00	-66	360	-71.4	22	1							40.3	266	-0.6						
01/21/23	Sat	06:47:53	-6.3	112	-9.1	118	0	8.2	129	0.1												
01/21/23	Sat	17:20:49	-6.3	248	-8.2	243	0				11.6	235	-3.9	49.8	105	-0.6	43.4	206	-2.2	12.7	235	0.8
01/21/23	Sat	17:20:49									Sat 1.1											
01/22/23	Sun	00:04:17	-66	360	-68.4	341	0							39.6	267	-0.5						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
01/29/23	Sun	17:30:56	-6.3	251	61.0	139	64				13.9	238	-3.9	56.1	114	-0.3	40.5	218	-2.2	7.1	242	0.8	
01/30/23	Mon	00:06:02	-64	360	24.0	277	66							34.7	272	-0.3							
01/30/23	Mon	06:40:32	-6.3	109	-23.6	351	69	7.3	130	-0.2													
01/30/23	Mon	17:32:13	-6.3	252	57.2	118	73				14.2	239	-3.9	56.8	115	-0.3	40.1	219	-2.2	6.4	243	0.8	
01/30/23	Mon	17:32:13			Mars 1.8																		
01/31/23	Tue	00:06:12	-63	0	34.5	272	75							34.1	273	-0.3							
01/31/23	Tue	00:06:12			Mars 0.8																		
01/31/23	Tue	06:39:33	-6.3	108	-18.7	340	78	7.0	129	-0.2													
01/31/23	Tue	17:33:31	-6.3	252	50.7	103	81				14.5	239	-3.9	57.5	116	-0.3	39.6	221	-2.2	5.7	244	0.8	
02/01/23	Wed	00:06:20	-63	0	44.6	265	83							33.6	273	-0.3							
02/01/23	Wed	06:38:32	-6.3	108	-13.4	330	85	6.8	129	-0.2													
02/01/23	Wed	17:34:49	-6.3	252	42.7	92	88				14.7	239	-3.9	58.2	117	-0.2	39.1	222	-2.2	5.0	245	0.8	
02/02/23	Thr	00:06:28	-63	360	53.9	256	89							33.0	274	-0.2							
02/02/23	Thr	06:37:29	-6.3	107	-7.9	320	91	6.5	129	-0.2													
02/02/23	Thr	17:36:07	-6.3	253	33.8	84	93				15.0	240	-3.9	58.9	119	-0.2	38.7	223	-2.2	4.2	246	0.8	
02/03/23	Fri	00:06:35	-63	0	61.8	241	94							32.5	274	-0.2							
02/03/23	Fri	06:36:25	-6.3	107	-1.7	310	96	6.2	128	-0.2													
02/03/23	Fri	17:37:25	-6.3	253	24.5	78	97				15.3	240	-3.9	59.6	120	-0.2	38.2	225	-2.2	3.5	247	0.8	
02/04/23	Sat	00:06:41	-62	0	67.0	218	98							32.0	275	-0.2							
02/04/23	Sat	06:35:18	-6.3	107	3.5	300	99	5.9	128	-0.2													
02/04/23	Sat	17:38:44	-6.3	254	14.9	73	99				15.6	241	-3.9	60.2	121	-0.2	37.7	226	-2.2				
02/05/23	Sun	00:06:47	-62	360	67.6	189	100							31.5	275	-0.1							
02/05/23	Sun	06:34:10	-6.3	106	8.7	291	100	5.6	127	-0.1													
02/05/23	Sun	17:40:02	-6.3	254	5.1	68	100				15.9	241	-3.9	60.9	123	-0.1	37.1	227	-2.2				
02/06/23	Mon	00:06:51	-62	360	63.2	164	100							31.0	276	-0.1							
02/06/23	Mon	06:33:01	-6.3	106	13.6	280	99	5.3	127	-0.1													
02/06/23	Mon	17:41:21	-6.3	254	-5.0	64	98				16.1	242	-3.9	61.5	124	-0.1	36.6	228	-2.2				

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
02/07/23	Tue	00:06:55	-61	0	55.6	148	98							30.5	276	-0.1						
02/07/23	Tue	06:31:49	-6.3	105	18.1	269	97	4.9	126	-0.1												
02/07/23	Tue	17:42:39	-6.3	255	-15.1	60	95				16.4	242	-3.9	62.2	126	-0.1	36.0	230	-2.2			
02/08/23	Wed	00:06:58	-61	0	46.5	137	94							30.0	277	-0.1						
02/08/23	Wed	06:30:36	-6.3	105	21.8	258	93	4.6	126	-0.1												
02/08/23	Wed	17:43:58	-6.3	255	-25.2	56	90				16.7	243	-3.9	62.8	127	0.0	35.5	231	-2.2			
02/09/23	Thr	00:07:00	-61	0	36.5	130	89							29.5	277	0.0						
02/09/23	Thr	06:29:22	-6.3	104	24.7	245	87	4.3	125	-0.1												
02/09/23	Thr	17:45:16	-6.3	256	-35.3	50	84				17.0	243	-3.9	63.3	129	0.0	34.9	232	-2.2			
02/10/23	Fri	00:07:01	-60	0	26.1	124	82							29.0	278	0.0						
02/10/23	Fri	06:28:06	-6.3	104	26.5	232	80	4.0	124	-0.1												
02/10/23	Fri	17:46:35	-6.3	256	-45.2	44	76				17.2	244	-3.9	63.9	130	0.0	34.3	233	-2.2			
02/11/23	Sat	00:07:02	-60	360	15.3	119	74							28.6	278	0.0						
02/11/23	Sat	06:26:48	-6.3	103	27.1	219	71	3.6	124	-0.2												
02/11/23	Sat	17:47:53	-6.3	257	-54.7	34	67				17.5	244	-3.9	64.5	132	0.0	33.8	234	-2.1			
02/12/23	Sun	00:07:02	-60	0	4.3	115	64							28.1	279	0.0						
02/12/23	Sun	06:25:29	-6.3	103	26.4	205	62	3.3	123	-0.2												
02/12/23	Sun	17:49:12	-6.3	257	-62.9	17	57				17.8	245	-3.9	65.0	133	0.1	33.2	236	-2.1			
02/13/23	Mon	00:07:01	-59	360	-7.3	110	54							27.7	279	0.1						
02/13/23	Mon	17:50:31	-6.3	258	-68.0	351	46				18.0	245	-3.9	65.5	135	0.1	32.6	237	-2.1			
02/14/23	Tue	00:07:00	-59	0	-18.9	105	43							27.3	279	0.1						
02/14/23	Tue	17:51:49	-6.3	258	-67.1	318	35				18.3	246	-3.9	66.1	137	0.1	32.0	238	-2.1			
02/15/23	Wed	00:06:57	-59	0	-30.5	99	32							26.8	280	0.1						
02/15/23	Wed	17:53:08	-6.3	259	-60.3	293	25				18.6	246	-3.9	66.5	139	0.1	31.3	239	-2.1			
02/16/23	Thr	00:06:54	-58	0	-41.9	90	22							26.4	280	0.1						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
02/16/23	Thr	17:54:26	-6.3	259	-50.1	278	15				18.8	247	-3.9	67.0	140	0.2	30.7	240	-2.1			
02/17/23	Fri	00:06:50	-58	0	-52.7	78	13							26.0	281	0.2						
02/17/23	Fri	17:55:44	-6.3	260	-38.2	269	8				19.1	247	-3.9	67.4	142	0.2	30.1	241	-2.1			
02/18/23	Sat	00:06:46	-58	0	-61.3	58	6							25.6	281	0.2						
02/18/23	Sat	17:57:02	-6.3	260	-25.5	263	3				19.4	248	-3.9	67.9	144	0.2	29.4	242	-2.1			
02/19/23	Sun	00:06:41	-57	0	-65.0	27	2							25.2	281	0.2						
02/19/23	Sun	17:58:21	-6.3	261	-12.4	258	0				19.6	248	-3.9	68.3	146	0.2	28.8	243	-2.1			
02/20/23	Mon	00:06:35	-57	360	-61.6	357	0							24.8	282	0.2						
02/20/23	Mon	17:59:38	-6.3	261	1.3	253	1				19.9	249	-3.9	68.7	148	0.2	28.1	244	-2.1			
02/21/23	Tue	00:06:29	-57	360	-53.2	336	2							24.4	282	0.3						
02/21/23	Tue	18:00:56	-6.3	262	14.0	249	5				20.1	249	-3.9	69.0	150	0.3	27.5	245	-2.1			
02/22/23	Wed	00:06:22	-56	360	-42.6	323	6							24.1	283	0.3						
02/22/23	Wed	18:02:14	-6.3	262	26.7	245	11				20.4	250	-3.9	69.4	152	0.3	26.8	246	-2.1			
02/22/23	Wed	18:02:14			Jup 1.4																	
02/23/23	Thr	00:06:14	-56	0	-31.2	314	12							23.7	283	0.3						
02/23/23	Thr	18:03:31	-6.3	263	38.8	239	18				20.6	250	-3.9	69.7	155	0.3	26.2	247	-2.1			
02/24/23	Fri	00:06:06	-56	360	-19.8	307	21							23.3	283	0.3						
02/24/23	Fri	18:04:49	-6.3	263	50.1	232	27				20.9	251	-3.9	70.0	157	0.3	25.5	248	-2.1			
02/25/23	Sat	00:05:57	-55	0	-8.7	301	30							23.0	284	0.3						
02/25/23	Sat	18:06:06	-6.3	264	60.3	220	37				21.1	251	-3.9	70.2	159	0.4	24.8	249	-2.1			
02/25/23	Sat	18:06:06									Jup 4.2											
02/26/23	Sun	00:05:47	-55	0	2.6	296	40							22.6	284	0.4						
02/26/23	Sun	18:07:23	-6.3	264	68.1	200	47				21.4	252	-3.9	70.5	161	0.4	24.1	250	-2.1			
02/26/23	Sun	18:07:23									Jup 3.2											
02/27/23	Mon	00:05:37	-54	360	12.9	291	50							22.3	284	0.4						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn					
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag		
For observations near Journey Museum. All dates and times in MST.																								
02/27/23	Mon	18:08:40	-6.3	265	71.5	168	57				21.6	252	-3.9	70.7	164	0.4	23.5	251	-2.1					
02/27/23	Mon	18:08:40			Mars 1.7						Jup 2.2													
02/28/23	Tue	00:05:27	-54	0	22.9	285	59							22.0	285	0.4								
02/28/23	Tue	00:05:27			Mars 0.9																			
02/28/23	Tue	18:09:57	-6.3	265	68.6	136	66				21.9	253	-3.9	70.9	166	0.4	22.8	252	-2.1					
02/28/23	Tue	18:09:57									Jup 1.3													
03/01/23	Wed	00:05:15	-54	0	32.4	278	69							21.6	285	0.4								
03/01/23	Wed	18:11:13	-6.3	266	61.5	116	75				22.1	253	-3.9	71.0	168	0.4	22.1	253	-2.1					
03/01/23	Wed	18:11:13									Jup 0.5													
03/02/23	Thr	00:05:04	-53	360	41.2	270	77							21.3	285	0.4								
03/02/23	Thr	18:12:30	-6.3	266	52.5	105	83				22.4	254	-3.9	71.2	171	0.5	21.4	254	-2.1					
03/02/23	Thr	18:12:30									Jup 1.0													
03/03/23	Fri	00:04:51	-53	360	49.1	258	84							21.0	286	0.5								
03/03/23	Fri	18:13:46	-6.3	267	42.8	98	89				22.6	255	-3.9	71.3	173	0.5	20.7	255	-2.1					
03/03/23	Fri	18:13:46									Jup 1.9													
03/04/23	Sat	00:04:39	-52	0	55.3	243	91							20.7	286	0.5								
03/04/23	Sat	18:15:02	-6.3	267	32.7	93	94				22.8	255	-3.9	71.3	175	0.5	20.0	256	-2.1					
03/04/23	Sat	18:15:02									Jup 2.9													
03/05/23	Sun	00:04:25	-52	0	59.0	224	95							20.3	286	0.5								
03/05/23	Sun	18:16:18	-6.3	268	22.4	89	98				23.1	256	-3.9	71.4	178	0.5	19.3	257	-2.1					
03/05/23	Sun	18:16:18									Jup 3.8													
03/06/23	Mon	00:04:12	-52	0	59.1	202	98							20.0	287	0.5								
03/06/23	Mon	18:17:34	-6.3	268	11.8	86	100				23.3	256	-3.9	71.4	180	0.5	18.6	257	-2.1					
03/06/23	Mon	18:17:34									Jup 4.8													
03/07/23	Tue	00:03:58	-51	0	55.4	182	100							19.7	287	0.5								
03/07/23	Tue	18:18:49	-6.3	269	1.3	84	100				23.5	257	-3.9	71.4	182	0.6	17.9	258	-2.1					

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
03/08/23	Wed	00:03:43	-51	0	49.0	166	99							19.4	287	0.6						
03/08/23	Wed	18:20:05	-6.3	270	-10.0	81	98				23.8	257	-3.9	71.4	185	0.6	17.2	259	-2.1			
03/09/23	Thr	00:03:28	-51	360	40.8	154	97							19.1	287	0.6						
03/09/23	Thr	18:21:21	-6.3	270	-21.0	78	94				24.0	258	-3.9	71.4	187	0.6	16.5	260	-2.1			
03/10/23	Fri	00:03:13	-50	360	31.6	145	93							18.8	288	0.6						
03/10/23	Fri	18:22:36	-6.3	271	-32.1	75	88				24.2	258	-3.9	71.3	189	0.6	15.8	261	-2.1			
03/11/23	Sat	00:02:58	-50	360	21.6	137	86							18.5	288	0.6						
03/11/23	Sat	18:23:51	-6.3	271	-43.2	70	81				24.4	259	-3.9	71.2	192	0.6	15.1	262	-2.1			
03/12/23	Sun	00:02:42	-49	0	11.3	130	79							18.3	288	0.6						
03/12/23	Sun	18:25:07	-6.3	272	-54.1	63	72				24.7	259	-3.9	71.1	194	0.7	14.4	263	-2.1			
03/13/23	Mon	00:02:26	-49	360	1.0	124	69							18.0	289	0.7						
03/13/23	Mon	18:26:22	-6.3	272	-64.3	50	61				24.9	260	-3.9	70.9	196	0.7	13.7	263	-2.1			
03/14/23	Tue	00:02:09	-49	0	-10.2	117	59							17.7	289	0.7						
03/14/23	Tue	18:27:37	-6.3	273	-72.2	24	50				25.1	260	-4.0	70.8	198	0.7	13.0	264	-2.1			
03/15/23	Wed	00:01:53	-48	0	-20.9	109	48							17.4	289	0.7						
03/15/23	Wed	18:28:53	-6.3	273	-73.2	340	39				25.3	261	-4.0	70.6	200	0.7	12.3	265	-2.1			
03/16/23	Thr	00:01:36	-48	0	-31.3	100	37							17.1	289	0.7						
03/16/23	Thr	18:30:08	-6.3	274	-66.0	309	28				25.5	261	-4.0	70.4	202	0.7	11.6	266	-2.1			
03/17/23	Fri	00:01:19	-47	360	-41.0	89	26							16.9	290	0.7						
03/17/23	Fri	18:31:23	-6.3	274	-55.0	293	18				25.7	262	-4.0	70.2	204	0.7	10.9	267	-2.1			
03/18/23	Sat	00:01:02	-47	0	-49.1	73	16							16.6	290	0.8						
03/18/23	Sat	05:29:58	-6.3	85	5.0	128	14													3.1	110	0.9
03/18/23	Sat	18:32:39	-6.3	275	-42.8	285	10				25.9	262	-4.0	69.9	206	0.8	10.2	268	-2.1			
03/19/23	Sun	00:00:44	-47	0	-54.4	53	8							16.3	290	0.8						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
03/19/23	Sun	05:28:08	-6.3	85	0.6	115	7													3.4	110	1.0
03/19/23	Sun	18:33:54	-6.3	276	-29.9	280	4			26.1	263	-4.0	69.7	208	0.8	9.5	268	-2.1				
03/20/23	Mon	00:00:27	-46	0	-55.3	29	3						16.1	290	0.8							
03/20/23	Mon	05:26:18	-6.3	84	-4.5	101	2													3.7	111	1.0
03/20/23	Mon	18:35:09	-6.3	276	-16.9	276	1			26.3	263	-4.0	69.4	210	0.8	8.8	269	-2.1				
03/21/23	Tue	00:00:09	-46	360	-51.6	6	0						15.8	291	0.8							
03/21/23	Tue	05:24:27	-6.3	84	-9.1	87	0													4.0	111	1.0
03/21/23	Tue	18:36:25	-6.3	277	-3.5	273	0			26.5	264	-4.0	69.1	212	0.8	8.1	270	-2.1				
03/21/23	Tue	23:59:52	-45	360	-44.6	349	0						15.5	291	0.8							
03/22/23	Wed	05:22:36	-6.3	83	-13.0	74	1													4.3	111	1.0
03/22/23	Wed	18:37:40	-6.3	277	9.2	270	2			26.7	264	-4.0	68.8	213	0.8	7.3	271	-2.1				
03/22/23	Wed	18:37:40			Jup 2.2																	
03/22/23	Wed	23:59:34	-45	360	-35.7	336	3						15.3	291	0.8							
03/23/23	Thr	05:20:45	-6.3	82	-16.1	60	4													4.6	111	1.0
03/23/23	Thr	18:38:56	-6.3	278	21.6	266	7			26.9	265	-4.0	68.5	215	0.8	6.6	272	-2.1				
03/23/23	Thr	23:59:16	-45	360	-26.0	326	8						15.0	291	0.9							
03/24/23	Fri	05:18:54	-6.3	82	-18.4	46	10													4.9	112	1.0
03/24/23	Fri	18:40:11	-6.3	278	33.6	262	14			27.1	265	-4.0	68.2	217	0.9	5.9	273	-2.1				
03/24/23	Fri	23:58:58	-44	360	-16.2	318	15						14.8	292	0.9							
03/25/23	Sat	05:17:03	-6.3	81	-19.8	33	17													5.2	112	1.0
03/25/23	Sat	18:41:27	-6.3	279	44.9	257	22			27.3	266	-4.0	67.8	218	0.9	5.3	273	-2.1				
03/25/23	Sat	23:58:40	-44	360	-6.4	310	24						14.5	292	0.9							
03/26/23	Sun	05:15:12	-6.3	81	-20.2	20	26													5.5	112	1.0
03/26/23	Sun	18:42:42	-6.3	279	55.5	249	31			3.0	276	-1.4	27.5	220	0.9	4.6	274	-2.1				
03/26/23	Sun	18:42:42						Jup 2.3														
03/26/23	Sun	23:58:22	-43	360	3.4	303	33						14.3	292	0.9							
03/27/23	Mon	05:13:20	-6.3	80	-19.9	7	35													5.8	113	1.0

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
03/27/23	Mon	18:43:58	-6.3	280	64.8	236	40	4.0	276	-1.4	27.6	267	-4.0	67.1	221	0.9	3.9	275	-2.1			
03/27/23	Mon	18:43:58						Jup 1.3														
03/27/23	Mon	23:58:04	-43	360	12.3	296	42						14.0	292	0.9							
03/27/23	Mon	23:58:04			Mars 4.0																	
03/28/23	Tue	05:11:28	-6.3	80	-18.8	355	44													6.0	113	1.0
03/28/23	Tue	18:45:14	-6.3	281	71.4	211	50	4.9	277	-1.3	27.8	267	-4.0	66.7	223	0.9	3.2	276	-2.0			
03/28/23	Tue	18:45:14						Jup 1.9														
03/28/23	Tue	23:57:46	-43	0	20.9	288	52						13.8	292	0.9							
03/29/23	Wed	05:09:37	-6.3	79	-17.1	343	54													6.3	113	1.0
03/29/23	Wed	18:46:30	-6.3	281	72.6	175	59	5.8	277	-1.2	28.0	267	-4.0	66.3	224	0.9						
03/29/23	Wed	23:57:28	-42	360	28.8	280	61						13.5	293	0.9							
03/30/23	Thr	05:07:45	-6.3	79	-14.9	331	63													6.6	113	1.0
03/30/23	Thr	18:47:45	-6.3	282	67.7	146	68	6.7	277	-1.2	28.2	268	-4.0	65.9	226	1.0						
03/30/23	Thr	23:57:10	-42	360	36.0	270	70						13.2	293	1.0							
03/31/23	Fri	05:05:53	-6.3	78	-12.3	320	72													6.9	114	1.0
03/31/23	Fri	18:49:01	-6.3	282	59.5	130	77	7.6	278	-1.1	28.3	268	-4.0	65.5	227	1.0						
03/31/23	Fri	23:56:52	-42	360	42.0	257	78						13.0	293	1.0							
04/01/23	Sat	05:04:02	-6.3	77	-9.3	309	80													7.2	114	1.0
04/01/23	Sat	18:50:18	-6.3	283	50.0	121	84	8.4	278	-1.1	28.5	269	-4.0	65.1	228	1.0						
04/01/23	Sat	23:56:34	-41	360	46.4	243	86						12.7	293	1.0							
04/02/23	Sun	05:02:10	-6.3	77	-6.0	298	87													7.5	114	1.0
04/02/23	Sun	18:51:34	-6.3	283	39.8	115	91	9.1	279	-1.0	28.6	269	-4.0	64.7	230	1.0						
04/02/23	Sun	23:56:16	-41	360	48.6	227	92						12.5	293	1.0							
04/03/23	Mon	05:00:19	-6.3	76	-2.0	287	93													7.8	115	1.0
04/03/23	Mon	18:52:50	-6.3	284	29.2	111	95	9.8	279	-0.9	28.8	270	-4.0	64.2	231	1.0						
04/03/23	Mon	23:55:59	-40	360	48.2	209	96						12.2	294	1.0							
04/04/23	Tue	04:58:28	-6.3	76	1.3	275	97													8.1	115	1.0

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
04/04/23	Tue	18:54:06	-6.3	284	18.4	107	99	10.4	279	-0.8	29.0	270	-4.0	63.8	232	1.0						
04/04/23	Tue	23:55:41	-40	0	45.1	192	99							12.0	294	1.0						
04/05/23	Wed	04:56:37	-6.3	75	4.6	264	99													8.4	115	1.0
04/05/23	Wed	18:55:23	-6.3	285	7.3	104	100	11.0	280	-0.7	29.1	270	-4.0	63.3	233	1.0						
04/05/23	Wed	23:55:24	-40	360	39.8	178	100							11.7	294	1.0						
04/06/23	Thr	04:54:46	-6.3	75	7.9	252	100													8.7	115	1.0
04/06/23	Thr	18:56:40	-6.3	286	-4.0	101	99	11.5	280	-0.6	29.2	271	-4.0	62.9	234	1.1						
04/06/23	Thr	23:55:07	-39	360	32.8	165	99							11.5	294	1.1						
04/07/23	Fri	04:52:55	-6.3	74	10.9	240	98													9.0	116	1.0
04/07/23	Fri	18:57:57	-6.3	286	-15.7	98	96	11.9	281	-0.5	29.4	271	-4.0	62.4	235	1.1						
04/07/23	Fri	23:54:50	-39	360	24.7	155	95							11.2	294	1.1						
04/08/23	Sat	04:51:05	-6.3	74	13.5	227	94													9.3	116	1.0
04/08/23	Sat	18:59:14	-6.3	287	-27.3	94	91	12.2	281	-0.4	29.5	271	-4.0	62.0	236	1.1						
04/08/23	Sat	23:54:34	-38	360	15.8	145	90							11.0	295	1.1						
04/09/23	Sun	04:49:15	-6.3	73	15.5	214	88													9.6	116	1.0
04/09/23	Sun	19:00:31	-6.3	287	-38.7	88	84	12.4	282	-0.3	29.6	272	-4.1	61.5	237	1.1						
04/09/23	Sun	23:54:17	-38	360	6.6	136	82							10.7	295	1.1						
04/10/23	Mon	04:47:25	-6.3	73	16.8	200	80													9.9	117	1.0
04/10/23	Mon	19:01:48	-6.3	288	-49.9	81	75	12.5	282	-0.2	29.8	272	-4.1	61.0	238	1.1						
04/10/23	Mon	23:54:01	-38	360	-2.5	127	73							10.5	295	1.1						
04/11/23	Tue	04:45:36	-6.3	72	17.2	186	71													10.2	117	1.0
04/11/23	Tue	19:03:06	-6.3	288	-60.3	68	65	12.6	283	0.0	29.9	272	-4.1	60.5	239	1.1						
04/11/23	Tue	23:53:45	-37	360	-12.4	118	62							10.2	295	1.1						
04/12/23	Wed	04:43:47	-6.3	72	16.7	172	60													10.5	117	1.0
04/12/23	Wed	19:04:24	-6.3	289	-68.3	46	54	12.5	283	0.2	30.0	273	-4.1	60.0	240	1.1						
04/12/23	Wed	23:53:30	-37	360	-21.3	108	51							10.0	295	1.1						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
04/13/23	Thr	04:41:59	-6.3	71	15.4	158	49													10.8	118	1.0
04/13/23	Thr	19:05:42	-6.3	289	-70.6	9	42	12.4	284	0.3	30.1	273	-4.1	59.5	241	1.1						
04/13/23	Thr	23:53:15	-37	0	-29.5	96	40							9.7	296	1.1						
04/14/23	Fri	04:40:11	-6.3	70	13.2	144	38													11.2	118	1.0
04/14/23	Fri	19:07:00	-6.3	290	-65.3	337	31	12.1	285	0.5	30.2	273	-4.1	59.0	242	1.2						
04/14/23	Fri	23:53:00	-36	0	-36.5	83	29							9.4	296	1.2						
04/15/23	Sat	04:38:24	-6.3	70	10.3	130	27													11.5	118	1.0
04/15/23	Sat	19:08:18	-6.3	290	-55.7	319	21	11.7	285	0.7	30.3	274	-4.1	58.5	243	1.2						
04/15/23	Sat	23:52:46	-36	360	-41.6	67	19							9.2	296	1.2						
04/16/23	Sun	04:36:37	-6.3	69	6.9	116	17													11.8	119	1.0
04/16/23	Sun	19:09:36	-6.3	291	-44.5	309	12	11.3	286	1.0	30.4	274	-4.1	58.0	243	1.2						
04/16/23	Sun	23:52:32	-36	360	-44.1	49	11							8.9	296	1.2						
04/17/23	Mon	04:34:51	-6.3	69	3.2	103	9													12.1	119	1.0
04/17/23	Mon	19:10:55	-6.3	291	-32.6	302	6	10.7	287	1.2	30.5	274	-4.1	57.5	244	1.2						
04/17/23	Mon	23:52:18	-35	360	-43.6	30	5							8.7	296	1.2						
04/18/23	Tue	04:33:06	-6.3	68	-0.5	90	4													12.4	119	1.0
04/18/23	Tue	19:12:14	-6.3	292	-20.5	297	2	10.1	287	1.5	30.6	274	-4.1	57.0	245	1.2						
04/18/23	Tue	23:52:05	-35	0	-40.4	13	1							8.4	297	1.2						
04/19/23	Wed	04:31:21	-6.3	68	-4.9	77	1													12.7	120	1.0
04/19/23	Wed	19:13:33	-6.3	292	-8.4	292	0	9.3	288	1.8	30.7	275	-4.1	56.5	246	1.2						
04/19/23	Wed	23:51:52	-35	0	-35.0	358	0							8.1	297	1.2						
04/20/23	Thr	04:29:37	-6.3	67	-8.7	64	0													13.0	120	1.0
04/20/23	Thr	19:14:52	-6.3	293	3.7	288	1	8.4	289	2.1	30.8	275	-4.1	56.0	247	1.2						
04/20/23	Thr	19:14:52			Mer 4.7																	
04/20/23	Thr	23:51:40	-34	360	-28.3	346	2							7.9	297	1.2						
04/21/23	Fri	04:27:53	-6.3	67	-11.9	51	2													13.3	120	1.0

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
04/21/23	Fri	19:16:11	-6.3	293	15.1	284	4	7.5	290	2.4	30.8	275	-4.1	55.4	247	1.2						
04/21/23	Fri	23:51:28	-34	360	-20.9	335	5							7.6	297	1.2						
04/22/23	Sat	04:26:11	-6.3	66	-14.6	38	6													13.6	121	1.0
04/22/23	Sat	19:17:30	-6.3	294	26.2	279	10	6.5	290	2.7	30.9	275	-4.1	54.9	248	1.3						
04/22/23	Sat	23:51:17	-34	360	-13.2	325	11							7.3	297	1.3						
04/23/23	Sun	04:24:29	-6.3	66	-16.7	26	12													14.0	121	1.0
04/23/23	Sun	19:18:50	-6.3	294	36.6	273	17	5.4	291	3.1	30.9	276	-4.1	54.4	249	1.3						
04/23/23	Sun	23:51:06	-33	0	-5.5	316	18							7.1	297	1.3						
04/24/23	Mon	04:22:48	-6.3	65	-18.1	13	19													14.3	121	1.0
04/24/23	Mon	19:20:09	-6.3	295	46.3	265	25	4.2	292	3.5	31.0	276	-4.1	53.8	249	1.3						
04/24/23	Mon	23:50:55	-33	0	2.3	307	26							6.8	298	1.3						
04/25/23	Tue	04:21:08	-6.3	65	-18.9	1	28													14.6	122	1.0
04/25/23	Tue	19:21:28	-6.3	295	54.9	254	33				31.0	276	-4.1	53.3	250	1.3						
04/25/23	Tue	19:21:28			Mars 2.9																	
04/25/23	Tue	23:50:45	-33	0	9.3	298	35							6.5	298	1.3						
04/25/23	Tue	23:50:45			Mars 2.8																	
04/26/23	Wed	04:19:28	-6.3	64	-19.0	349	37													14.9	122	1.0
04/26/23	Wed	19:22:48	-6.3	296	61.6	238	43				31.1	276	-4.1	52.7	251	1.3						
04/26/23	Wed	23:50:35	-32	360	15.9	289	44							6.2	298	1.3						
04/27/23	Thr	04:17:50	-6.3	64	-18.5	337	46													15.2	122	1.0
04/27/23	Thr	19:24:07	-6.3	296	65.1	215	52				31.1	276	-4.1	52.2	251	1.3						
04/27/23	Thr	23:50:26	-32	0	21.9	279	54							6.0	298	1.3						
04/28/23	Fri	04:16:13	-6.3	63	-17.4	325	56													15.6	123	1.0
04/28/23	Fri	19:25:26	-6.3	297	64.3	189	62				31.1	277	-4.2	51.6	252	1.3						
04/28/23	Fri	23:50:18	-32	0	27.2	269	63							5.7	298	1.3						
04/29/23	Sat	04:14:37	-6.3	63	-15.7	313	65													15.9	123	1.0
04/29/23	Sat	19:26:46	-6.3	297	59.4	168	71				31.1	277	-4.2	51.1	252	1.3						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
04/29/23	Sat	23:50:09	-31	360	31.5	257	72						5.4	299	1.3							
04/30/23	Sun	04:13:01	-6.3	62	-13.5	302	74													16.2	124	1.0
04/30/23	Sun	19:28:05	-6.3	298	51.9	154	79				31.1	277	-4.2	50.5	253	1.3						
04/30/23	Sun	23:50:02	-31	0	34.6	244	80						5.1	299	1.3							
05/01/23	Mon	04:11:27	-6.3	62	-10.8	290	82													16.5	124	1.0
05/01/23	Mon	19:29:24	-6.3	298	43.0	143	86				31.1	277	-4.2	50.0	254	1.3						
05/01/23	Mon	23:49:55	-31	0	36.1	230	88						4.8	299	1.3							
05/02/23	Tue	04:09:54	-6.3	62	-7.7	279	89													16.9	124	1.0
05/02/23	Tue	19:30:43	-6.3	299	33.1	136	93				31.1	277	-4.2	49.4	254	1.4						
05/02/23	Tue	23:49:48	-30	360	35.8	215	93						4.5	299	1.4							
05/03/23	Wed	04:08:23	-6.3	61	-4.1	267	94													17.2	125	1.0
05/03/23	Wed	19:32:02	-6.3	299	22.6	130	97				31.1	277	-4.2	48.9	255	1.4						
05/03/23	Wed	23:49:42	-30	360	33.7	200	98						4.2	299	1.4							
05/04/23	Thr	04:06:52	-6.3	61	0.0	255	98													17.5	125	1.0
05/04/23	Thr	19:33:20	-6.3	300	11.8	124	100				31.1	277	-4.2	48.3	255	1.4						
05/04/23	Thr	23:49:36	-30	0	30.0	186	100						4.0	299	1.4							
05/05/23	Fri	04:05:23	-6.3	60	3.5	243	100													17.9	126	1.0
05/05/23	Fri	19:34:39	-6.3	300	0.9	119	100				31.1	277	-4.2	47.7	256	1.4						
05/05/23	Fri	23:49:32	-30	360	24.8	173	100						3.7	300	1.4							
05/06/23	Sat	04:03:55	-6.3	60	7.2	230	99													18.2	126	1.0
05/06/23	Sat	19:35:57	-6.3	301	-10.9	113	98				31.0	278	-4.2	47.2	256	1.4						
05/06/23	Sat	23:49:27	-29	0	18.6	161	97						3.4	300	1.4							
05/07/23	Sun	04:02:29	-6.3	59	10.8	218	96													18.6	127	1.0
05/07/23	Sun	19:37:15	-6.3	301	-22.1	107	93				31.0	278	-4.2	46.6	257	1.4						
05/07/23	Sun	23:49:23	-29	0	11.6	149	92						3.1	300	1.4							
05/08/23	Mon	04:01:03	-6.3	59	13.9	204	91													18.9	127	1.0

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn						
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag			
For observations near Journey Museum. All dates and times in MST.																									
05/08/23	Mon	19:38:33	-6.3	301	-33.0	99	86				30.9	278	-4.2	46.0	257	1.4									
05/09/23	Tue	03:59:40	-6.3	58	16.4	190	83													19.2	128	1.0			
05/09/23	Tue	19:39:50	-6.3	302	-43.1	89	77				30.9	278	-4.2	45.5	258	1.4									
05/10/23	Wed	03:58:18	-6.3	58	18.1	176	74													19.6	128	1.0			
05/10/23	Wed	19:41:07	-6.3	302	-51.9	75	67				30.8	278	-4.2	44.9	258	1.4									
05/11/23	Thr	03:56:57	-6.3	58	18.8	162	63													19.9	129	1.0			
05/11/23	Thr	19:42:23	-6.3	303	-57.9	55	56				30.7	278	-4.2	44.3	259	1.4									
05/12/23	Fri	03:55:38	-6.3	57	18.5	147	52													20.3	129	1.0			
05/12/23	Fri	19:43:40	-6.3	303	-59.8	30	44				30.6	278	-4.2	43.8	259	1.4									
05/13/23	Sat	03:54:21	-6.3	57	17.2	133	40													20.6	130	1.0			
05/13/23	Sat	03:54:21			Sat 4.6																				
05/13/23	Sat	19:44:55	-6.3	303	-56.8	7	33				30.5	278	-4.3	43.2	260	1.5									
05/14/23	Sun	03:53:05	-6.3	56	15.0	119	30													3.2	79	-2.1	21.0	130	1.0
05/14/23	Sun	19:46:10	-6.3	304	-50.1	348	23				30.4	278	-4.3	42.6	260	1.5									
05/15/23	Mon	03:51:51	-6.3	56	12.0	106	20													3.6	79	-2.1	21.4	131	1.0
05/15/23	Mon	19:47:25	-6.3	304	-41.4	335	14				30.3	278	-4.3	42.0	261	1.5									
05/16/23	Tue	03:50:39	-6.3	56	8.4	93	12													4.0	79	-2.1	21.7	131	1.0
05/16/23	Tue	19:48:39	-6.3	305	-31.7	325	7				30.2	278	-4.3	41.5	261	1.5									
05/17/23	Wed	03:49:28	-6.3	55	4.4	80	6													4.4	79	-2.1	22.1	132	1.0
05/17/23	Wed	03:49:28			Jup 0.7																				
05/17/23	Wed	19:49:52	-6.3	305	-21.5	318	3				30.0	278	-4.3	40.9	261	1.5									
05/18/23	Thr	03:48:20	-6.3	55	0.5	68	2													4.7	80	-2.1	22.4	132	1.0
05/18/23	Thr	19:51:05	-6.3	305	-11.4	311	0				29.9	278	-4.3	40.3	262	1.5									
05/19/23	Fri	03:47:13	-6.3	55	-4.2	56	0													5.1	80	-2.1	22.8	133	1.0

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
05/19/23	Fri	19:52:16	-6.3	306	-0.6	304	0				29.7	278	-4.3	39.8	262	1.5						
05/20/23	Sat	03:46:08	-6.3	54	-8.5	44	1										5.5	80	-2.1	23.1	134	1.0
05/20/23	Sat	19:53:27	-6.3	306	8.7	298	2				29.6	278	-4.3	39.2	263	1.5						
05/21/23	Sun	03:45:05	-6.3	54	-12.4	33	3										5.9	81	-2.1	23.5	134	1.0
05/21/23	Sun	19:54:37	-6.3	306	17.9	291	6				29.4	278	-4.3	38.6	263	1.5						
05/22/23	Mon	03:44:04	-6.3	54	-15.8	21	8										6.3	81	-2.1	23.9	135	1.0
05/22/23	Mon	19:55:46	-6.3	307	26.6	283	12				29.2	278	-4.3	38.0	263	1.5						
05/23/23	Tue	03:43:06	-6.3	53	-18.8	10	14										6.8	81	-2.1	24.2	135	1.0
05/23/23	Tue	19:56:54	-6.3	307	34.5	274	19				29.1	278	-4.3	37.5	264	1.5						
05/24/23	Wed	03:42:09	-6.3	53	-21.2	358	22										7.2	81	-2.1	24.6	136	1.0
05/24/23	Wed	19:58:00	-6.3	307	41.3	263	27				28.9	278	-4.3	36.9	264	1.5						
05/24/23	Wed	19:58:00			Mars 4.5																	
05/25/23	Thr	03:41:14	-6.3	53	-22.8	346	30										7.6	82	-2.1	25.0	137	1.0
05/25/23	Thr	19:59:06	-6.3	307	46.7	250	36				28.7	278	-4.4	36.3	265	1.5						
05/26/23	Fri	03:40:22	-6.3	52	-23.8	334	39										8.1	82	-2.1	25.3	137	1.0
05/26/23	Fri	20:00:10	-6.3	308	50.0	235	45				28.5	278	-4.4	35.8	265	1.5						
05/27/23	Sat	03:39:32	-6.3	52	-23.9	322	48										8.5	82	-2.1	25.7	138	1.0
05/27/23	Sat	20:01:13	-6.3	308	50.9	217	55				28.2	278	-4.4	35.2	265	1.6						
05/28/23	Sun	03:38:44	-6.3	52	-23.2	310	58										9.0	83	-2.1	26.1	139	1.0
05/28/23	Sun	20:02:15	-6.3	308	49.1	200	64				28.0	278	-4.4	34.7	266	1.6						
05/29/23	Mon	03:37:58	-6.3	52	-21.6	297	67										9.4	83	-2.1	26.4	140	1.0
05/29/23	Mon	20:03:15	-6.3	309	44.9	185	73				27.8	278	-4.4	34.1	266	1.6						
05/30/23	Tue	03:37:14	-6.3	51	-19.2	285	76										9.9	83	-2.1	26.8	140	1.0
05/30/23	Tue	20:04:13	-6.3	309	38.7	171	82				27.5	277	-4.4	33.6	266	1.6						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
05/31/23	Wed	03:36:33	-6.3	51	-15.9	273	84										10.4	84	-2.1	27.2	141	1.0
05/31/23	Wed	20:05:10	-6.3	309	31.0	160	89				27.3	277	-4.4	33.0	267	1.6						
06/01/23	Thr	03:35:54	-6.3	51	-11.8	261	91										10.9	84	-2.1	27.5	142	1.0
06/01/23	Thr	20:06:06	-6.3	309	22.3	150	95				27.0	277	-4.4	32.5	267	1.6						
06/02/23	Fri	03:35:18	-6.3	51	-7.0	249	96	3.1	73	0.2							11.4	85	-2.1	27.9	143	1.0
06/02/23	Fri	20:07:00	-6.3	310	12.9	141	99				26.7	277	-4.4	31.9	267	1.6						
06/03/23	Sat	03:34:44	-6.3	50	-1.1	237	99	3.2	73	0.1							11.9	85	-2.1	28.2	143	1.0
06/03/23	Sat	20:07:52	-6.3	310	3.3	132	100				26.5	277	-4.4	31.4	267	1.6						
06/04/23	Sun	03:34:12	-6.3	50	4.2	225	100	3.2	72	0.0							12.4	85	-2.1	28.6	144	0.9
06/04/23	Sun	20:08:43	-6.3	310	-6.9	123	99				26.2	277	-4.4	30.8	268	1.6						
06/05/23	Mon	03:33:43	-6.3	50	9.7	213	98	3.2	72	0.0							12.9	86	-2.1	29.0	145	0.9
06/05/23	Mon	20:09:31	-6.3	310	-16.6	114	95				25.9	277	-4.4	30.3	268	1.6						
06/06/23	Tue	03:33:16	-6.3	50	15.1	199	93	3.3	71	-0.1							13.4	86	-2.1	29.3	146	0.9
06/06/23	Tue	20:10:18	-6.3	310	-25.6	103	88				25.6	277	-4.5	29.8	268	1.6						
06/07/23	Wed	03:32:52	-6.3	50	19.9	186	85	3.3	70	-0.2							13.9	87	-2.1	29.6	147	0.9
06/07/23	Wed	20:11:03	-6.3	310	-33.5	90	79				25.3	277	-4.5	29.3	269	1.6						
06/08/23	Thr	03:32:30	-6.3	50	23.7	171	76	3.3	70	-0.2							14.5	87	-2.1	30.0	148	0.9
06/08/23	Thr	20:11:46	-6.3	311	-39.7	76	69				25.0	277	-4.5	28.7	269	1.6						
06/09/23	Fri	03:32:11	-6.3	49	26.2	157	66	3.2	69	-0.3							15.0	87	-2.1	30.3	149	0.9
06/09/23	Fri	20:12:27	-6.3	311	-43.5	59	58				24.6	277	-4.5	28.2	269	1.6						
06/10/23	Sat	03:31:55	-6.3	49	27.2	142	54	3.2	68	-0.4							15.6	88	-2.1	30.7	150	0.9
06/10/23	Sat	20:13:05	-6.3	311	-44.6	41	46				24.3	277	-4.5	27.7	269	1.6						
06/11/23	Sun	03:31:41	-6.3	49	26.7	127	43	3.1	67	-0.4							16.2	88	-2.1	31.0	151	0.9

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
06/11/23	Sun	20:13:42	-6.3	311	-42.9	24	35				24.0	276	-4.5	27.2	270	1.6						
06/12/23	Mon	03:31:29	-6.3	49	24.7	112	32										16.7	89	-2.1	31.3	152	0.9
06/12/23	Mon	20:14:17	-6.3	311	-38.9	8	25				23.6	276	-4.5	26.7	270	1.6						
06/13/23	Tue	03:31:20	-6.3	49	21.4	99	23										17.3	89	-2.1	31.6	153	0.9
06/13/23	Tue	20:14:49	-6.3	311	-33.3	354	17				23.3	276	-4.5	26.2	270	1.7						
06/14/23	Wed	03:31:14	-6.3	49	17.2	86	14										17.9	90	-2.1	31.9	154	0.9
06/14/23	Wed	03:31:14			Jup 3.2																	
06/14/23	Wed	20:15:19	-6.3	311	-26.6	343	10				22.9	276	-4.5	25.7	270	1.7						
06/15/23	Thr	03:31:10	-6.3	49	12.2	75	8										18.5	90	-2.1	32.2	155	0.9
06/15/23	Thr	20:15:47	-6.3	311	-19.3	333	4				22.6	276	-4.5	25.2	270	1.7						
06/15/23	Thr	23:53:30	-23	360	-20.0	24	4													3.5	108	0.9
06/16/23	Fri	03:31:09	-6.3	49	6.7	64	3										19.1	91	-2.1	32.5	156	0.9
06/16/23	Fri	20:16:12	-6.3	311	-11.9	323	1				22.2	276	-4.5	24.7	271	1.7						
06/16/23	Fri	23:53:43	-23	360	-19.9	11	1													4.2	109	0.9
06/17/23	Sat	03:31:11	-6.3	49	1.1	54	1										19.7	91	-2.2	32.8	157	0.9
06/17/23	Sat	20:16:35	-6.3	311	-4.1	314	0				21.8	276	-4.6	24.3	271	1.7						
06/17/23	Sat	23:53:56	-23	360	-19.2	359	0													4.9	109	0.9
06/18/23	Sun	03:31:15	-6.3	49	-5.2	44	0										20.4	92	-2.2	33.1	158	0.9
06/18/23	Sun	20:16:56	-6.3	311	3.3	306	1				21.4	276	-4.6	23.8	271	1.7						
06/18/23	Sun	23:54:09	-23	360	-18.0	347	1													5.6	110	0.9
06/19/23	Mon	03:31:21	-6.3	49	-11.1	34	2										21.0	92	-2.2	33.3	159	0.9
06/19/23	Mon	20:17:14	-6.3	311	10.1	297	4				21.0	276	-4.6	23.3	271	1.7						
06/19/23	Mon	20:17:14									Mars 4.9											
06/19/23	Mon	23:54:23	-23	0	-16.3	336	4													6.2	111	0.9
06/20/23	Tue	03:31:30	-6.3	49	-16.7	24	5										21.6	93	-2.2	33.6	160	0.9
06/20/23	Tue	20:17:30	-6.3	311	16.6	288	8				20.6	276	-4.6	22.9	271	1.7						

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/11/23	Tue	03:43:17			Jup 4.8																	
07/11/23	Tue	20:13:02	-6.3	309	-28.2	14	29				10.5	276	-4.7	14.6	273	1.7						
07/11/23	Tue	23:58:29	-24	0	-3.3	61	27													20.3	129	0.7
07/12/23	Wed	03:44:11	-6.3	51	35.0	98	26										37.3	108	-2.3	34.8	191	0.7
07/12/23	Wed	20:12:21	-6.3	309	-24.9	1	20				9.9	276	-4.7	14.3	273	1.7						
07/12/23	Wed	23:58:37	-24	0	-7.4	50	19													20.9	130	0.7
07/13/23	Thr	03:45:07	-6.3	51	29.1	86	17										38.1	109	-2.3	34.6	192	0.7
07/13/23	Thr	20:11:39	-6.3	309	-20.8	349	12				9.3	276	-4.7	14.0	273	1.8						
07/13/23	Thr	23:58:44	-24	360	-11.0	39	11													21.5	131	0.7
07/14/23	Fri	03:46:05	-6.3	51	22.3	76	10										38.8	110	-2.3	34.3	194	0.7
07/14/23	Fri	20:10:53	-6.3	308	-16.1	337	7				8.7	276	-4.7	13.7	273	1.8						
07/14/23	Fri	23:58:50	-24	0	-14.3	27	6													22.0	132	0.7
07/15/23	Sat	03:47:04	-6.3	52	14.8	67	5										39.6	111	-2.3	34.1	195	0.7
07/15/23	Sat	20:10:06	-6.3	308	-11.2	327	3	3.1	295	-0.6	8.1	277	-4.7	13.4	273	1.8						
07/15/23	Sat	23:58:56	-25	360	-17.2	16	2													22.5	133	0.7
07/16/23	Sun	03:48:04	-6.3	52	7.0	59	2										40.4	112	-2.3	33.8	196	0.7
07/16/23	Sun	20:09:16	-6.3	308	-6.0	316	1	3.3	294	-0.6	7.5	277	-4.7	13.1	273	1.8						
07/16/23	Sun	23:59:02	-25	360	-19.7	5	0													23.1	134	0.7
07/17/23	Mon	03:49:05	-6.3	52	-0.6	51	0										41.1	113	-2.3	33.5	198	0.7
07/17/23	Mon	20:08:24	-6.3	308	-0.3	306	0	3.6	293	-0.5	6.9	277	-4.7	12.8	273	1.8						
07/17/23	Mon	23:59:07	-25	0	-21.7	353	0													23.6	135	0.7
07/18/23	Tue	03:50:08	-6.3	53	-9.4	44	1										41.9	114	-2.3	33.2	199	0.7
07/18/23	Tue	20:07:30	-6.3	307	4.3	296	2	3.8	292	-0.5	6.2	277	-4.6	12.5	273	1.8						
07/18/23	Tue	20:07:30			Mer 4.7																	
07/18/23	Tue	23:59:11	-25	0	-23.1	341	2													24.1	136	0.7
07/19/23	Wed	03:51:12	-6.3	53	-17.4	36	3										42.6	115	-2.3	32.9	201	0.7

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/19/23	Wed	20:06:34	-6.3	307	8.9	286	5	4.0	290	-0.4	5.6	278	-4.6	12.2	273	1.8						
07/19/23	Wed	23:59:15	-25	0	-23.7	329	6													24.6	137	0.7
07/20/23	Thr	03:52:17	-6.3	53	-25.2	29	7										43.4	116	-2.3	32.5	202	0.7
07/20/23	Thr	20:05:35	-6.3	307	13.1	275	10	4.2	289	-0.4	4.9	278	-4.6	11.9	273	1.8						
07/20/23	Thr	20:05:35			Mars 3.0																	
07/20/23	Thr	23:59:19	-25	360	-23.6	318	11										3.3	73	-2.3	25.1	138	0.7
07/21/23	Fri	03:53:22	-6.3	53	-32.6	20	12										44.1	117	-2.3	32.1	204	0.7
07/21/23	Fri	20:04:35	-6.3	306	16.9	264	16	4.3	288	-0.3	4.2	278	-4.6	11.7	273	1.8						
07/21/23	Fri	23:59:21	-26	0	-22.7	306	18										3.9	73	-2.3	25.6	139	0.7
07/22/23	Sat	03:54:29	-6.3	54	-39.5	10	19										44.9	118	-2.3	31.7	205	0.7
07/22/23	Sat	20:03:32	-6.3	306	20.0	253	24	4.5	287	-0.3	3.6	279	-4.6	11.4	272	1.8						
07/22/23	Sat	23:59:24	-26	360	-21.1	294	25										4.5	74	-2.3	26.0	140	0.7
07/23/23	Sun	03:55:37	-6.3	54	-45.5	358	27										45.6	119	-2.3	31.3	207	0.7
07/23/23	Sun	20:02:27	-6.3	306	22.3	241	33	4.6	286	-0.2				11.1	272	1.8						
07/23/23	Sun	23:59:25	-26	0	-18.6	282	34										5.1	75	-2.3	26.5	141	0.7
07/24/23	Mon	03:56:45	-6.3	54	-49.9	343	36										46.4	121	-2.3	30.8	208	0.7
07/24/23	Mon	20:01:21	-6.3	305	23.7	228	42	4.7	285	-0.2				10.9	272	1.8						
07/24/23	Mon	23:59:26	-26	0	-15.4	271	44										5.7	75	-2.3	26.9	142	0.7
07/25/23	Tue	03:57:54	-6.3	55	-52.2	326	45										47.1	122	-2.3	30.3	209	0.7
07/25/23	Tue	20:00:12	-6.3	305	24.1	215	52	4.7	285	-0.2				10.6	272	1.8						
07/25/23	Tue	23:59:26	-27	0	-11.5	260	54										6.3	76	-2.4	27.4	143	0.6
07/26/23	Wed	03:59:04	-6.3	55	-51.6	307	56										47.8	123	-2.4	29.8	211	0.6
07/26/23	Wed	19:59:02	-6.3	305	23.4	202	62	4.8	284	-0.1				10.4	272	1.8						
07/26/23	Wed	23:59:26	-27	360	-7.0	248	64										6.9	76	-2.4	27.8	144	0.6
07/27/23	Thr	04:00:15	-6.3	56	-48.0	290	66										48.6	124	-2.4	29.3	212	0.6
07/27/23	Thr	19:57:49	-6.3	304	21.6	188	72	4.8	283	-0.1				10.1	272	1.8						
07/27/23	Thr	23:59:25	-27	0	-1.2	237	74										7.6	77	-2.4	28.2	145	0.6

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
07/28/23	Fri	04:01:26	-6.3	56	-41.8	275	76									49.3	126	-2.4	28.8	214	0.6	
07/28/23	Fri	19:56:35	-6.3	304	18.6	174	82	4.8	282	-0.1			9.9	272	1.8							
07/28/23	Fri	23:59:24	-27	0	3.9	225	83									8.2	77	-2.4	28.6	146	0.6	
07/29/23	Sat	04:02:37	-6.3	56	-33.5	263	85									50.0	127	-2.4	28.2	215	0.6	
07/29/23	Sat	19:55:19	-6.3	303	14.6	160	90	4.8	281	0.0			9.7	272	1.8							
07/29/23	Sat	23:59:22	-27	360	9.5	213	91									8.8	78	-2.4	29.0	147	0.6	
07/30/23	Sun	04:03:49	-6.3	57	-23.7	253	92									50.7	129	-2.4	27.6	216	0.6	
07/30/23	Sun	19:54:02	-6.3	303	9.8	147	96	4.7	280	0.0			9.4	272	1.8							
07/30/23	Sun	23:59:19	-28	0	15.1	200	97									9.4	78	-2.4	29.4	148	0.6	
07/31/23	Mon	04:05:02	-6.3	57	-12.9	244	97									51.3	130	-2.4	27.0	218	0.6	
07/31/23	Mon	19:52:43	-6.3	303	4.5	133	99	4.7	279	0.0			9.2	272	1.8							
07/31/23	Mon	23:59:16	-28	0	20.2	186	99									10.0	79	-2.4	29.7	149	0.6	
08/01/23	Tue	04:06:15	-6.3	57	-0.7	236	100									52.0	131	-2.4	26.4	219	0.6	
08/01/23	Tue	19:51:22	-6.3	302	-0.7	120	100	4.6	278	0.1			9.0	271	1.8							
08/01/23	Tue	23:59:12	-28	360	24.3	171	99									10.7	80	-2.4	30.1	150	0.6	
08/02/23	Wed	04:07:28	-6.3	58	10.6	228	99									52.7	133	-2.4	25.8	220	0.6	
08/02/23	Wed	19:49:59	-6.3	302	-6.8	106	97	4.5	278	0.1			8.8	271	1.8							
08/02/23	Wed	23:59:07	-28	360	27.0	155	96									11.3	80	-2.4	30.4	151	0.6	
08/02/23	Wed	23:59:07			Sat 4.6																	
08/03/23	Thr	04:08:42	-6.3	58	22.4	220	96									53.3	135	-2.4	25.1	222	0.6	
08/03/23	Thr	04:08:42			Sat 3.1																	
08/03/23	Thr	19:48:36	-6.3	302	-11.8	92	92	4.4	277	0.1			8.6	271	1.8							
08/03/23	Thr	23:59:02	-29	360	27.9	139	91									11.9	81	-2.4	30.7	153	0.6	
08/04/23	Fri	04:09:56	-6.3	59	33.6	210	89									53.9	136	-2.4	24.4	223	0.6	
08/04/23	Fri	19:47:10	-6.3	301	-16.0	78	84	4.3	276	0.1			8.4	271	1.8							
08/04/23	Fri	23:58:56	-29	0	27.1	123	82									12.5	81	-2.4	31.0	154	0.6	
08/05/23	Sat	04:11:11	-6.3	59	43.7	199	81									54.5	138	-2.4	23.7	224	0.6	

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/05/23	Sat	19:45:43	-6.3	301	-19.2	64	75	4.2	276	0.2				8.2	271	1.8						
08/05/23	Sat	23:58:50	-29	360	24.6	108	73										13.2	82	-2.4	31.3	155	0.6
08/06/23	Sun	04:12:25	-6.3	59	52.0	183	71										55.1	140	-2.4	23.0	225	0.6
08/06/23	Sun	19:44:15	-6.3	300	-21.4	50	64	4.0	275	0.2				8.0	271	1.8						
08/06/23	Sun	23:58:43	-30	360	20.8	95	62										13.8	82	-2.4	31.6	156	0.6
08/07/23	Mon	04:13:40	-6.3	60	57.2	163	61										55.7	141	-2.4	22.3	226	0.6
08/07/23	Mon	19:42:46	-6.3	300	-22.4	37	54	3.8	274	0.2				7.8	270	1.8						
08/07/23	Mon	23:58:36	-30	0	16.1	82	52										14.4	83	-2.4	31.9	157	0.6
08/07/23	Mon	23:58:36			Jup 1.8																	
08/08/23	Tue	04:14:55	-6.3	60	58.2	139	50										56.3	143	-2.4	21.6	228	0.6
08/08/23	Tue	04:14:55			Jup 2.9																	
08/08/23	Tue	19:41:15	-6.3	299	-22.4	23	43	3.6	274	0.2				7.6	270	1.8						
08/08/23	Tue	23:58:28	-30	360	10.8	71	41										15.1	84	-2.4	32.1	158	0.6
08/09/23	Wed	04:16:10	-6.3	61	55.0	118	39										56.8	145	-2.4	20.8	229	0.6
08/09/23	Wed	19:39:43	-6.3	299	-21.5	10	33	3.4	273	0.3				7.4	270	1.8						
08/09/23	Wed	19:39:43						Mars 4.9														
08/09/23	Wed	23:58:19	-30	360	5.1	60	31										15.7	84	-2.5	32.4	159	0.5
08/10/23	Thr	04:17:26	-6.3	61	48.9	102	30										57.3	147	-2.5	20.0	230	0.5
08/10/23	Thr	19:38:09	-6.3	298	-19.8	357	24	3.2	273	0.3				7.2	270	1.8						
08/10/23	Thr	19:38:09						Mars 4.8														
08/10/23	Thr	23:58:10	-31	360	-0.4	50	23										16.3	85	-2.5	32.6	160	0.5
08/11/23	Fri	04:18:41	-6.3	62	41.1	90	21										57.8	149	-2.5	19.3	231	0.5
08/11/23	Fri	19:36:35	-6.3	298	-17.4	345	16							7.0	270	1.8						
08/11/23	Fri	23:58:00	-31	360	-7.0	41	15										17.0	85	-2.5	32.8	162	0.5
08/12/23	Sat	04:19:57	-6.3	62	32.4	81	14										58.2	151	-2.5	18.5	232	0.5
08/12/23	Sat	19:34:59	-6.3	298	-14.5	334	10							6.8	270	1.8						
08/12/23	Sat	23:57:50	-31	360	-12.9	31	9										17.6	86	-2.5	33.0	163	0.5

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
08/13/23	Sun	04:21:12	-6.3	63	23.2	75	8									58.7	153	-2.5	17.7	233	0.5	
08/13/23	Sun	19:33:22	-6.3	297	-11.3	323	5				6.6	269	1.8									
08/13/23	Sun	23:57:39	-32	360	-18.4	21	4								18.2	86	-2.5	33.2	164	0.5		
08/14/23	Mon	04:22:28	-6.3	63	13.7	69	4								59.1	156	-2.5	16.9	235	0.5		
08/14/23	Mon	19:31:44	-6.3	297	-7.8	312	2				6.5	269	1.8									
08/14/23	Mon	23:57:28	-32	0	-23.6	11	1								18.9	87	-2.5	33.3	165	0.5		
08/15/23	Tue	04:23:43	-6.3	64	4.3	64	1								59.4	158	-2.5	16.0	236	0.5		
08/15/23	Tue	19:30:05	-6.3	296	-3.8	301	0				6.3	269	1.8									
08/15/23	Tue	23:57:16	-32	360	-28.2	360	0								19.5	88	-2.5	33.5	166	0.5		
08/16/23	Wed	04:24:59	-6.3	64	-5.6	60	0								59.8	160	-2.5	15.2	237	0.5		
08/16/23	Wed	19:28:25	-6.3	296	0.2	290	1				6.1	269	1.8									
08/16/23	Wed	23:57:03	-33	360	-32.0	348	1								20.1	88	-2.5	33.6	167	0.5		
08/17/23	Thr	04:26:14	-6.3	65	-15.4	55	1								60.1	162	-2.5	14.3	238	0.5		
08/17/23	Thr	19:26:45	-6.3	295	3.5	279	3				6.0	269	1.8									
08/17/23	Thr	23:56:51	-33	360	-34.7	335	3								20.8	89	-2.5	33.7	169	0.5		
08/18/23	Fri	04:27:30	-6.3	65	-25.0	50	4								60.3	165	-2.5	13.5	239	0.5		
08/18/23	Fri	19:25:03	-6.3	295	6.9	269	7				5.8	268	1.8									
08/18/23	Fri	19:25:03			Mars 1.1																	
08/18/23	Fri	23:56:37	-33	360	-36.1	322	7								21.4	89	-2.5	33.9	170	0.5		
08/19/23	Sat	04:28:45	-6.3	65	-34.5	45	8								60.6	167	-2.5	12.6	240	0.5		
08/19/23	Sat	19:23:20	-6.3	294	10.0	257	12				5.6	268	1.8									
08/19/23	Sat	23:56:23	-33	0	-36.1	308	13								22.0	90	-2.5	33.9	171	0.5		
08/20/23	Sun	04:30:00	-6.3	66	-43.8	38	14								60.7	169	-2.5	11.7	241	0.5		
08/20/23	Sun	19:21:36	-6.3	294	12.8	246	19				5.5	268	1.8									
08/20/23	Sun	23:56:09	-34	360	-34.5	294	20								22.7	91	-2.5	34.0	172	0.5		
08/21/23	Mon	04:31:15	-6.3	66	-52.6	28	22								60.9	172	-2.5	10.9	242	0.5		

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
08/21/23	Mon	19:19:52	-6.3	293	15.2	234	27							5.3	268	1.8							
08/21/23	Mon	23:55:54	-34	360	-31.3	281	29										23.3	91	-2.5	34.1	173	0.5	
08/22/23	Tue	04:32:30	-6.3	67	-60.3	13	31										61.0	174	-2.5	10.0	243	0.5	
08/22/23	Tue	19:18:07	-6.3	293	16.9	221	37							5.2	268	1.8					3.1	109	0.5
08/22/23	Tue	23:55:38	-34	360	-26.8	269	38										23.9	92	-2.5	34.1	174	0.5	
08/23/23	Wed	04:33:45	-6.3	67	-65.4	351	40			3.9	82	-4.3					61.1	177	-2.5	9.1	244	0.5	
08/23/23	Wed	19:16:21	-6.3	292	17.9	208	47							5.0	267	1.8					3.5	110	0.5
08/23/23	Wed	23:55:23	-35	0	-21.0	257	49										24.6	92	-2.6	34.2	176	0.5	
08/24/23	Thr	04:34:59	-6.3	68	-65.9	322	51			5.2	83	-4.3					61.1	179	-2.6	8.2	245	0.5	
08/24/23	Thr	19:14:34	-6.3	292	18.1	195	57							4.9	267	1.8					3.9	110	0.5
08/24/23	Thr	23:55:06	-35	360	-14.2	246	59										25.2	93	-2.6	34.2	177	0.5	
08/25/23	Fri	04:36:14	-6.3	68	-61.1	297	62			6.5	84	-4.4					61.1	182	-2.6	7.3	246	0.5	
08/25/23	Fri	19:12:47	-6.3	291	17.4	181	68							4.7	267	1.8					4.3	111	0.4
08/25/23	Fri	23:54:50	-36	360	-6.5	236	70										25.9	94	-2.6	34.2	178	0.4	
08/26/23	Sat	04:37:28	-6.3	69	-52.5	280	72			7.7	85	-4.4					61.1	184	-2.6	6.4	247	0.4	
08/26/23	Sat	19:10:59	-6.3	291	15.8	167	78							4.6	267	1.8					4.6	111	0.4
08/26/23	Sat	23:54:33	-36	0	2.2	225	80										26.5	94	-2.6	34.2	179	0.4	
08/27/23	Sun	04:38:42	-6.3	70	-41.9	269	82			8.9	86	-4.4					61.0	187	-2.6	5.5	248	0.4	
08/27/23	Sun	19:09:11	-6.3	290	13.3	153	87							4.4	267	1.8					5.0	112	0.4
08/27/23	Sun	23:54:15	-36	360	10.6	215	88										27.1	95	-2.6	34.1	180	0.4	
08/28/23	Mon	04:39:55	-6.3	70	-30.0	262	90			10.1	87	-4.5					60.9	189	-2.6	4.6	249	0.4	
08/28/23	Mon	19:07:22	-6.3	290	9.9	138	94							4.3	266	1.8					5.4	112	0.4
08/28/23	Mon	23:53:57	-37	0	19.2	203	95										27.8	96	-2.6	34.1	181	0.4	
08/29/23	Tue	04:41:09	-6.3	71	-17.3	256	96			11.3	87	-4.5					60.7	192	-2.6	3.7	250	0.4	
08/29/23	Tue	19:05:32	-6.3	289	6.0	124	98							4.2	266	1.8					5.7	112	0.4
08/29/23	Tue	23:53:39	-37	360	27.3	190	99										28.4	96	-2.6	34.1	183	0.4	
08/30/23	Wed	04:42:22	-6.3	71	-4.0	251	99			12.5	88	-4.5					60.5	194	-2.6				

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
08/30/23	Wed	19:03:42	-6.3	289	1.9	110	100							4.0	266	1.8					6.1	113	0.4
08/30/23	Wed	23:53:20	-37	0	34.1	175	100											29.0	97	-2.6	34.0	184	0.4
08/31/23	Thr	04:43:36	-6.3	72	9.3	246	100				13.6	89	-4.6								60.3	197	-2.6
08/31/23	Thr	19:01:52	-6.3	288	-2.3	96	98							3.9	266	1.8					6.5	113	0.4
08/31/23	Thr	23:53:01	-38	360	38.8	158	98											29.7	97	-2.6	33.9	185	0.4
09/01/23	Fri	04:44:49	-6.3	72	22.5	241	97				14.7	90	-4.6								60.0	199	-2.6
09/01/23	Fri	19:00:01	-6.3	288	-7.1	82	94							3.8	265	1.7					6.8	114	0.4
09/01/23	Fri	23:52:42	-38	360	40.7	139	93											30.3	98	-2.6	33.8	186	0.4
09/02/23	Sat	04:46:01	-6.3	73	35.3	235	91				15.7	91	-4.6								59.6	202	-2.6
09/02/23	Sat	18:58:09	-6.3	287	-10.8	68	87							3.6	265	1.7					7.2	114	0.4
09/02/23	Sat	23:52:23	-38	0	39.7	121	86											30.9	99	-2.6	33.7	187	0.4
09/03/23	Sun	04:47:14	-6.3	73	47.4	227	84				16.7	92	-4.6								59.3	204	-2.6
09/03/23	Sun	18:56:18	-6.3	286	-13.9	55	79							3.5	265	1.7					7.6	115	0.4
09/03/23	Sun	23:52:03	-39	360	36.1	105	77											31.6	100	-2.6	33.6	188	0.4
09/04/23	Mon	04:48:26	-6.3	74	58.2	215	75				17.7	92	-4.7								58.9	206	-2.6
09/04/23	Mon	04:48:26			Jup 4.6																		
09/04/23	Mon	18:54:26	-6.3	286	-16.3	41	69							3.4	265	1.7					7.9	115	0.4
09/04/23	Mon	23:51:43	-39	360	30.6	91	67											32.2	100	-2.6	33.4	189	0.4
09/05/23	Tue	04:49:39	-6.3	74	66.6	195	65				18.7	93	-4.7								58.5	209	-2.6
09/05/23	Tue	18:52:33	-6.3	285	-17.9	28	59							3.2	264	1.7					8.3	116	0.4
09/05/23	Tue	23:51:23	-39	0	23.9	79	57											32.8	101	-2.6	33.3	191	0.4
09/06/23	Wed	04:50:51	-6.3	75	70.1	163	55				19.6	94	-4.7								58.0	211	-2.6
09/06/23	Wed	18:50:41	-6.3	285	-18.7	15	49							3.1	264	1.7					8.6	116	0.4
09/06/23	Wed	23:51:03	-40	0	16.6	69	47											33.5	102	-2.7	33.1	192	0.4
09/07/23	Thr	04:52:03	-6.3	75	67.1	131	44				20.5	95	-4.7								57.5	213	-2.7
09/07/23	Thr	18:48:48	-6.3	284	-18.8	3	39														9.0	117	0.4

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
09/07/23	Thr	23:50:42	-40	0	8.9	60	37										34.1	102	-2.7	33.0	193	0.4
09/08/23	Fri	04:53:15	-6.3	76	59.8	112	35				21.3	95	-4.7				57.0	215	-2.7			
09/08/23	Fri	18:46:55	-6.3	284	-18.2	350	30													9.3	117	0.4
09/08/23	Fri	23:50:21	-41	360	1.3	52	28										34.8	103	-2.7	32.8	194	0.4
09/09/23	Sat	04:54:27	-6.3	76	50.7	100	26				22.1	96	-4.7				56.4	217	-2.7			
09/09/23	Sat	18:45:02	-6.3	283	-17.0	338	21													9.7	117	0.4
09/09/23	Sat	23:50:00	-41	0	-7.0	44	20										35.4	104	-2.7	32.6	195	0.4
09/10/23	Sun	04:55:38	-6.3	77	41.0	93	18				22.9	97	-4.7				55.8	219	-2.7			
09/10/23	Sun	18:43:08	-6.3	283	-15.3	327	14													10.0	118	0.4
09/10/23	Sun	23:49:40	-41	0	-14.8	36	13										36.0	105	-2.7	32.4	196	0.4
09/11/23	Mon	04:56:50	-6.3	77	30.9	88	11				23.7	98	-4.7				55.2	221	-2.7			
09/11/23	Mon	18:41:15	-6.3	282	-13.1	315	8													10.4	118	0.4
09/11/23	Mon	23:49:18	-42	0	-22.4	28	7										36.6	105	-2.7	32.1	197	0.4
09/12/23	Tue	04:58:01	-6.3	78	20.7	84	6	3.1	84	2.6	24.4	98	-4.7				54.6	223	-2.7			
09/12/23	Tue	18:39:22	-6.3	282	-10.5	304	4													10.7	119	0.4
09/12/23	Tue	23:48:57	-42	0	-29.6	18	3										37.3	106	-2.7	31.9	198	0.4
09/13/23	Wed	04:59:13	-6.3	79	10.4	81	2	4.5	85	2.1	25.1	99	-4.8				53.9	225	-2.7			
09/13/23	Wed	18:37:28	-6.3	281	-7.7	293	1													11.1	119	0.4
09/13/23	Wed	23:48:36	-42	360	-36.3	8	1										37.9	107	-2.7	31.7	199	0.4
09/14/23	Thr	05:00:24	-6.3	79	0.4	78	0	5.7	85	1.7	25.8	99	-4.8				53.3	227	-2.7			
09/14/23	Thr	18:35:35	-6.3	281	-4.4	282	0													11.4	120	0.4
09/14/23	Thr	23:48:15	-43	0	-41.9	356	0										38.5	108	-2.7	31.4	200	0.4
09/15/23	Fri	05:01:35	-6.3	80	-10.7	76	0	6.9	86	1.3	26.4	100	-4.8				52.5	228	-2.7			
09/15/23	Fri	18:33:41	-6.3	280	-0.7	271	1													11.7	120	0.4
09/15/23	Fri	23:47:53	-43	0	-46.1	341	1										39.2	109	-2.7	31.1	201	0.4
09/16/23	Sat	05:02:46	-6.3	80	-21.2	73	2	7.9	87	0.9	27.0	101	-4.8				51.8	230	-2.7			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn					
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag		
For observations near Journey Museum. All dates and times in MST.																								
09/16/23	Sat	18:31:48	-6.3	279	2.3	259	4													12.1	121	0.4		
09/16/23	Sat	23:47:32	-44	0	-48.3	325	5												39.8	109	-2.7	30.8	203	0.4
09/17/23	Sun	05:03:57	-6.3	81	-31.8	69	5	8.7	87	0.6	27.6	101	-4.8						51.1	232	-2.7			
09/17/23	Sun	18:29:54	-6.3	279	5.5	248	8														12.4	121	0.4	
09/17/23	Sun	23:47:11	-44	0	-48.0	308	10												40.4	110	-2.7	30.6	204	0.4
09/18/23	Mon	05:05:08	-6.3	81	-42.3	65	11	9.4	88	0.3	28.2	102	-4.8						50.3	233	-2.7			
09/18/23	Mon	18:28:01	-6.3	278	8.5	236	15														12.7	122	0.5	
09/18/23	Mon	23:46:49	-44	360	-45.2	292	16												41.0	111	-2.7	30.2	205	0.5
09/19/23	Tue	05:06:18	-6.3	82	-52.7	58	18	10.0	88	0.0	28.7	102	-4.8						49.5	235	-2.7			
09/19/23	Tue	18:26:08	-6.3	278	11.3	224	22														13.1	122	0.5	
09/19/23	Tue	23:46:28	-45	0	-40.1	277	24												41.6	112	-2.7	29.9	206	0.5
09/20/23	Wed	05:07:29	-6.3	82	-62.6	47	26	10.4	88	-0.2	29.2	103	-4.8						48.7	236	-2.7			
09/20/23	Wed	18:24:15	-6.3	277	13.6	212	32														13.4	122	0.5	
09/20/23	Wed	23:46:07	-45	360	-33.2	265	34												42.3	113	-2.7	29.6	207	0.5
09/21/23	Thr	05:08:39	-6.3	83	-70.8	25	36	10.7	89	-0.3	29.7	104	-4.8						47.9	238	-2.7			
09/21/23	Thr	18:22:22	-6.3	277	15.5	199	42														13.7	123	0.5	
09/21/23	Thr	23:45:45	-46	0	-25.0	254	44												42.9	114	-2.8	29.3	208	0.5
09/22/23	Fri	05:09:50	-6.3	84	-73.7	346	47	10.8	89	-0.5	30.2	104	-4.7						47.1	239	-2.8			
09/22/23	Fri	18:20:29	-6.3	276	16.6	185	53														14.1	123	0.5	
09/22/23	Fri	23:45:24	-46	0	-15.8	245	55												43.5	115	-2.8	28.9	209	0.5
09/23/23	Sat	05:11:00	-6.3	84	-68.5	311	58	10.8	89	-0.6	30.6	105	-4.7						46.2	241	-2.8			
09/23/23	Sat	18:18:37	-6.3	276	16.9	171	64														14.4	124	0.5	
09/23/23	Sat	23:45:03	-46	360	-5.7	236	66												44.1	116	-2.8	28.6	210	0.5
09/24/23	Sun	05:12:11	-6.3	85	-58.6	292	69	10.7	90	-0.7	31.1	105	-4.7						45.4	242	-2.8			
09/24/23	Sun	18:16:45	-6.3	275	16.3	156	74														14.7	124	0.5	
09/24/23	Sun	23:44:42	-47	0	5.1	228	77												44.7	117	-2.8	28.2	211	0.5
09/25/23	Mon	05:13:21	-6.3	85	-46.9	282	79	10.5	90	-0.8	31.5	106	-4.7						44.5	243	-2.8			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn					
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag		
For observations near Journey Museum. All dates and times in MST.																								
09/25/23	Mon	18:14:53	-6.3	275	14.8	142	84													15.0	125	0.5		
09/25/23	Mon	23:44:21	-47	0	15.8	219	86												45.3	118	-2.8	27.8	212	0.5
09/26/23	Tue	05:14:32	-6.3	86	-34.2	276	88	10.2	90	-0.9	31.8	106	-4.7						43.6	245	-2.8			
09/26/23	Tue	18:13:01	-6.3	274	12.3	127	92														15.3	125	0.5	
09/26/23	Tue	18:13:01			Sat 3.5																			
09/26/23	Tue	23:44:01	-48	360	26.5	209	93												45.9	119	-2.8	27.5	212	0.5
09/26/23	Tue	23:44:01			Sat 3.4																			
09/27/23	Wed	05:15:42	-6.3	86	-21.1	272	95	9.9	91	-0.9	32.2	107	-4.7						42.7	246	-2.8			
09/27/23	Wed	18:11:10	-6.3	273	9.0	113	97														15.7	126	0.5	
09/27/23	Wed	23:43:40	-48	360	36.5	197	98												46.5	120	-2.8	27.1	213	0.5
09/28/23	Thr	05:16:52	-6.3	87	-7.7	269	99	9.4	91	-1.0	32.5	107	-4.7						41.8	247	-2.8			
09/28/23	Thr	18:09:19	-6.3	273	5.3	98	100														16.0	126	0.5	
09/28/23	Thr	23:43:20	-48	360	45.1	181	100												47.1	121	-2.8	26.7	214	0.5
09/29/23	Fri	05:18:03	-6.3	87	6.1	265	100	8.9	91	-1.0	32.8	108	-4.7						40.9	249	-2.8			
09/29/23	Fri	18:07:29	-6.3	272	1.4	85	99														16.3	127	0.5	
09/29/23	Fri	23:43:00	-49	0	50.9	162	99												47.6	122	-2.8	26.3	215	0.5
09/30/23	Sat	05:19:13	-6.3	88	19.3	262	98	8.3	91	-1.0	33.1	109	-4.7						39.9	250	-2.8			
09/30/23	Sat	18:05:39	-6.3	272	-2.7	71	96														16.6	127	0.5	
09/30/23	Sat	23:42:40	-49	0	52.6	140	95												48.2	123	-2.8	25.8	216	0.5
10/01/23	Sun	05:20:24	-6.3	88	32.2	258	94	7.7	92	-1.0	33.4	109	-4.7						39.0	251	-2.8			
10/01/23	Sun	18:03:50	-6.3	271	-7.2	58	91														16.9	128	0.5	
10/01/23	Sun	23:42:21	-49	0	50.1	118	89												48.8	124	-2.8	25.4	217	0.5
10/01/23	Sun	23:42:21			Jup 4.3																			
10/02/23	Mon	05:21:34	-6.3	89	44.6	253	87	7.1	92	-1.1	33.7	110	-4.7						38.0	252	-2.8			
10/02/23	Mon	18:02:01	-6.3	271	-10.8	45	83														17.2	128	0.5	
10/02/23	Mon	23:42:02	-50	360	44.4	101	81												49.4	126	-2.8	25.0	218	0.5
10/03/23	Tue	05:22:45	-6.3	90	56.1	244	79	6.4	92	-1.1	33.9	110	-4.7						37.1	253	-2.8			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn					
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag		
For observations near Journey Museum. All dates and times in MST.																								
10/03/23	Tue	18:00:13	-6.3	270	-13.9	32	75													17.6	129	0.5		
10/03/23	Tue	23:41:43	-50	0	36.7	88	72												49.9	127	-2.8	24.5	219	0.5
10/04/23	Wed	05:23:56	-6.3	90	66.1	230	70	5.7	92	-1.1	34.2	111	-4.7						36.1	254	-2.8			
10/04/23	Wed	17:58:25	-6.3	270	-16.4	20	65															17.9	129	0.5
10/04/23	Wed	23:41:25	-51	360	28.1	78	63												50.5	128	-2.8	24.1	220	0.5
10/05/23	Thr	05:25:07	-6.3	91	72.9	202	61	5.0	93	-1.1	34.4	111	-4.7						35.1	256	-2.8			
10/05/23	Thr	17:56:38	-6.3	269	-18.2	7	55															18.2	130	0.5
10/05/23	Thr	23:41:07	-51	360	19.1	70	53												51.0	129	-2.8	23.6	221	0.5
10/06/23	Fri	05:26:18	-6.3	91	73.0	162	51	4.3	93	-1.2	34.6	112	-4.7						34.2	257	-2.8			
10/06/23	Fri	17:54:52	-6.3	269	-19.3	355	46															18.5	130	0.5
10/06/23	Fri	23:40:49	-51	360	9.9	63	43												51.5	131	-2.8	23.2	222	0.5
10/07/23	Sat	05:27:29	-6.3	92	66.8	135	41	3.6	93	-1.2	34.8	112	-4.6						33.2	258	-2.8			
10/07/23	Sat	17:53:06	-6.3	268	-19.8	343	36															18.8	131	0.5
10/07/23	Sat	23:40:32	-52	0	0.9	57	34												52.0	132	-2.8	22.7	223	0.5
10/08/23	Sun	05:28:40	-6.3	92	58.0	121	32				34.9	113	-4.6						32.2	259	-2.8			
10/08/23	Sun	17:51:21	-6.3	268	-19.6	331	27															19.1	131	0.5
10/08/23	Sun	23:40:15	-52	360	-8.9	51	25												52.6	133	-2.8	22.2	223	0.5
10/09/23	Mon	05:29:52	-6.3	93	48.2	113	23				35.1	113	-4.6						31.2	260	-2.8			
10/09/23	Mon	17:49:37	-6.3	267	-18.7	319	19															19.4	132	0.6
10/09/23	Mon	23:39:59	-53	360	-18.0	44	18												53.1	135	-2.8	21.7	224	0.6
10/10/23	Tue	05:31:03	-6.3	93	38.0	108	16				35.2	114	-4.6						30.2	261	-2.9			
10/10/23	Tue	17:47:53	-6.3	266	-17.2	307	12															19.7	132	0.6
10/10/23	Tue	23:39:43	-53	0	-27.1	38	11												53.5	136	-2.9	21.2	225	0.6
10/11/23	Wed	05:32:15	-6.3	94	27.6	104	10				35.3	114	-4.6						29.2	262	-2.9			
10/11/23	Wed	17:46:11	-6.3	266	-15.2	296	7															20.0	133	0.6
10/11/23	Wed	23:39:28	-53	360	-35.9	30	6												54.0	138	-2.9	20.7	226	0.6

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
10/12/23	Thr	05:33:27	-6.3	94	17.1	101	5				35.5	115	-4.6				28.1	263	-2.9			
10/12/23	Thr	17:44:29	-6.3	265	-12.5	284	3													20.3	133	0.6
10/12/23	Thr	23:39:13	-54	360	-44.2	20	2										54.5	139	-2.9	20.2	227	0.6
10/13/23	Fri	05:34:39	-6.3	95	6.4	98	1				35.6	115	-4.6				27.1	264	-2.9			
10/13/23	Fri	17:42:48	-6.3	265	-9.4	273	1													20.6	134	0.6
10/13/23	Fri	23:38:58	-54	360	-51.5	7	0										54.9	141	-2.9	19.7	228	0.6
10/14/23	Sat	05:35:52	-6.3	95	-4.5	96	0				35.6	116	-4.6				26.1	265	-2.9			
10/14/23	Sat	17:41:08	-6.3	264	-5.8	261	0													20.9	134	0.6
10/14/23	Sat	23:38:45	-54	360	-57.0	350	0										55.4	142	-2.9	19.2	228	0.6
10/15/23	Sun	05:37:04	-6.3	96	-15.6	93	1				35.7	116	-4.6				25.1	266	-2.9			
10/15/23	Sun	17:39:29	-6.3	264	-1.4	250	2													21.2	135	0.6
10/15/23	Sun	23:38:31	-55	360	-59.3	328	2										55.8	144	-2.9	18.7	229	0.6
10/16/23	Mon	05:38:17	-6.3	96	-26.7	90	3				35.8	117	-4.6				24.0	267	-2.9			
10/16/23	Mon	17:37:51	-6.3	263	2.3	238	5													21.5	136	0.6
10/16/23	Mon	23:38:19	-55	0	-57.7	306	7										56.2	146	-2.9	18.1	230	0.6
10/17/23	Tue	05:39:30	-6.3	97	-37.8	86	8				35.8	118	-4.6				23.0	268	-2.9			
10/17/23	Tue	17:36:13	-6.3	263	6.2	227	11													21.8	136	0.6
10/17/23	Tue	23:38:07	-56	0	-52.4	287	13										56.6	148	-2.9	17.6	231	0.6
10/18/23	Wed	05:40:43	-6.3	97	-48.7	80	14				35.9	118	-4.6				22.0	269	-2.9			
10/18/23	Wed	17:34:37	-6.3	262	10.0	214	18													22.1	137	0.6
10/18/23	Wed	23:37:55	-56	360	-44.6	273	20										56.9	149	-2.9	17.0	232	0.6
10/19/23	Thr	05:41:56	-6.3	98	-59.2	70	23				35.9	119	-4.5				20.9	270	-2.9			
10/19/23	Thr	17:33:02	-6.3	262	13.5	202	27													22.4	137	0.6
10/19/23	Thr	23:37:44	-56	0	-35.1	262	30										57.3	151	-2.9	16.5	232	0.6
10/20/23	Fri	05:43:09	-6.3	98	-68.3	51	32				35.9	119	-4.5				19.9	271	-2.9			
10/20/23	Fri	17:31:28	-6.3	261	16.6	189	38													22.7	138	0.6

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn				
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	
For observations near Journey Museum. All dates and times in MST.																							
11/06/23	Mon	17:08:10	-6.3	254	-25.7	327	35											7.1	78	-2.9	27.4	148	0.7
11/06/23	Mon	23:36:30	-62	0	-9.8	62	32											59.2	188	-2.9	5.7	246	0.7
11/07/23	Tue	06:05:29	-6.3	107	52.1	143	30			34.6	129	-4.4											
11/07/23	Tue	17:07:01	-6.3	253	-25.6	314	26											7.7	79	-2.9	27.7	149	0.7
11/07/23	Tue	23:36:34	-62	0	-19.9	57	24											59.0	190	-2.9	5.1	247	0.7
11/08/23	Wed	06:06:44	-6.3	107	42.8	134	22			34.4	129	-4.4											
11/08/23	Wed	17:05:55	-6.3	253	-24.6	302	18											8.3	79	-2.9	28.0	150	0.7
11/08/23	Wed	23:36:38	-63	360	-30.0	53	16											58.8	192	-2.9	4.4	247	0.7
11/09/23	Thr	06:07:59	-6.3	108	32.9	128	14			34.3	130	-4.4											
11/09/23	Thr	06:07:59			Ven 1.9																		
11/09/23	Thr	17:04:50	-6.3	252	-22.5	290	11											8.8	80	-2.9	28.2	151	0.7
11/09/23	Thr	23:36:43	-63	0	-40.1	47	10											58.6	194	-2.9	3.8	248	0.7
11/10/23	Fri	06:09:14	-6.3	108	22.6	123	8			34.1	130	-4.4											
11/10/23	Fri	17:03:47	-6.3	252	-19.6	278	6											9.4	80	-2.9	28.5	151	0.7
11/10/23	Fri	23:36:49	-63	0	-49.8	38	5											58.3	196	-2.9	3.1	249	0.7
11/11/23	Sat	06:10:29	-6.3	108	12.0	119	4			33.9	131	-4.4											
11/11/23	Sat	17:02:46	-6.3	252	-15.7	266	2											10.0	81	-2.9	28.7	152	0.7
11/11/23	Sat	23:36:56	-64	360	-58.8	26	1											58.1	198	-2.9			
11/12/23	Sun	06:11:44	-6.3	109	1.4	115	1			33.7	131	-4.3											
11/12/23	Sun	17:01:46	-6.3	251	-11.2	254	0											10.5	82	-2.9	29.0	153	0.7
11/12/23	Sun	23:37:04	-64	0	-65.8	5	0											57.8	200	-2.9			
11/13/23	Mon	06:12:58	-6.3	109	-10.1	110	0			33.5	132	-4.3											
11/13/23	Mon	17:00:49	-6.3	251	-6.0	243	0											11.1	82	-2.9	29.2	154	0.7
11/13/23	Mon	23:37:13	-64	360	-68.3	334	1											57.4	202	-2.9			
11/14/23	Tue	06:14:12	-6.3	109	-21.1	105	2			33.3	132	-4.3											
11/14/23	Tue	16:59:54	-6.3	250	0.2	232	3											11.7	83	-2.9	29.4	154	0.7
11/14/23	Tue	23:37:22	-64	360	-64.5	304	4											57.1	204	-2.9			

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
11/15/23	Wed	06:15:26	-6.3	110	-32.1	99	5				33.1	133	-4.3									
11/15/23	Wed	16:59:00	-6.3	250	5.7	220	8										12.3	84	-2.9	29.7	155	0.7
11/15/23	Wed	23:37:32	-65	360	-56.3	285	10										56.7	206	-2.9			
11/16/23	Thr	06:16:39	-6.3	110	-42.6	91	11				32.9	133	-4.3									
11/16/23	Thr	16:58:09	-6.3	250	11.4	208	15										12.9	84	-2.9	29.9	156	0.7
11/16/23	Thr	23:37:44	-65	0	-46.0	273	17										56.3	208	-2.9			
11/17/23	Fri	06:17:52	-6.3	111	-52.3	79	20				32.7	134	-4.3									
11/17/23	Fri	16:57:19	-6.3	249	16.8	196	24										13.6	85	-2.9	30.1	157	0.7
11/17/23	Fri	23:37:56	-65	360	-34.6	265	26										55.8	210	-2.9			
11/18/23	Sat	06:19:05	-6.3	111	-60.0	61	29				32.5	134	-4.3									
11/18/23	Sat	16:56:32	-6.3	249	21.7	183	34										14.2	85	-2.9	30.4	158	0.7
11/18/23	Sat	23:38:08	-65	0	-22.6	260	37										55.4	212	-2.9			
11/19/23	Sun	06:20:17	-6.3	111	-63.8	35	40				32.3	135	-4.3									
11/19/23	Sun	16:55:47	-6.3	249	25.5	168	45										14.8	86	-2.9	30.6	158	0.8
11/19/23	Sun	23:38:22	-66	0	-10.3	255	48										54.9	214	-2.9			
11/20/23	Mon	06:21:29	-6.3	112	-61.9	7	51				32.0	135	-4.3									
11/20/23	Mon	16:55:04	-6.3	248	28.1	154	56										15.5	87	-2.9	30.8	159	0.8
11/20/23	Mon	23:38:36	-66	0	2.6	251	60										54.4	215	-2.9			
11/21/23	Tue	06:22:40	-6.3	112	-55.4	346	63				31.8	136	-4.3									
11/21/23	Tue	16:54:23	-6.3	248	29.0	138	67										16.1	87	-2.9	31.0	160	0.8
11/21/23	Tue	23:38:51	-66	0	15.0	246	70										53.8	217	-2.9			
11/22/23	Wed	06:23:51	-6.3	112	-46.1	331	73				31.6	136	-4.3									
11/22/23	Wed	16:53:44	-6.3	248	28.2	123	78										16.7	88	-2.9	31.2	161	0.8
11/22/23	Wed	23:39:07	-66	0	27.5	242	80										53.3	219	-2.9			
11/23/23	Thr	06:25:01	-6.3	112	-35.6	321	83				31.3	137	-4.3									
11/23/23	Thr	16:53:07	-6.3	247	25.6	108	86										17.4	89	-2.9	31.4	162	0.8

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/02/23	Sat	16:49:20	-6.3	245	-26.0	6	71	4.7	227	-0.5							23.5	95	-2.8	32.8	170	0.8
12/02/23	Sat	23:42:27	-68	360	23.7	86	68										47.0	234	-2.8			
12/03/23	Sun	06:35:56	-6.3	115	55.6	228	66				28.5	141	-4.2									
12/03/23	Sun	16:49:07	-6.3	245	-30.4	354	62	4.9	227	-0.5							24.2	96	-2.8	33.0	171	0.8
12/03/23	Sun	23:42:51	-68	0	13.2	83	59										46.3	235	-2.8			
12/04/23	Mon	06:36:55	-6.3	115	55.9	209	56				28.2	141	-4.2									
12/04/23	Mon	16:48:55	-6.3	245	-33.8	342	52	5.1	227	-0.5							25.0	97	-2.8	33.1	173	0.8
12/04/23	Mon	23:43:15	-68	360	2.9	80	50										45.6	236	-2.8			
12/05/23	Tue	06:37:54	-6.3	115	53.1	191	47				27.9	141	-4.2									
12/05/23	Tue	16:48:47	-6.3	245	-36.0	329	43	5.2	227	-0.4							25.7	98	-2.8	33.2	174	0.8
12/05/23	Tue	23:43:40	-68	360	-8.0	77	40										44.8	237	-2.8			
12/06/23	Wed	06:38:52	-6.3	115	47.8	176	38				27.6	141	-4.2									
12/06/23	Wed	16:48:40	-6.3	244	-36.9	315	34	5.4	227	-0.4							26.4	98	-2.8	33.3	175	0.8
12/06/23	Wed	23:44:05	-69	0	-18.6	74	31										44.1	239	-2.8			
12/07/23	Thr	06:39:48	-6.3	116	40.9	163	29				27.3	142	-4.2									
12/07/23	Thr	16:48:36	-6.3	244	-36.1	302	25	5.4	227	-0.4							27.1	99	-2.8	33.3	176	0.8
12/07/23	Thr	23:44:31	-69	360	-29.3	71	23										43.4	240	-2.8			
12/08/23	Fri	06:40:43	-6.3	116	32.7	154	20				27.0	142	-4.2									
12/08/23	Fri	16:48:35	-6.3	244	-33.7	288	17	5.5	227	-0.3							27.9	100	-2.8	33.4	177	0.8
12/08/23	Fri	23:44:58	-69	0	-40.2	66	15										42.6	241	-2.8			
12/09/23	Sat	06:41:36	-6.3	116	23.8	145	13				26.7	142	-4.2									
12/09/23	Sat	06:41:36			Ven 3.9																	
12/09/23	Sat	16:48:36	-6.3	244	-29.8	275	10	5.4	228	-0.2							28.6	101	-2.8	33.5	178	0.8
12/09/23	Sat	23:45:25	-69	360	-51.0	60	8										41.9	242	-2.8			
12/10/23	Sun	06:42:28	-6.3	116	14.3	138	7				26.4	143	-4.2									
12/10/23	Sun	16:48:39	-6.3	244	-24.4	263	5	5.3	228	-0.1							29.3	102	-2.8	33.5	179	0.8

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/19/23	Tue	16:50:54	-6.3	243	40.8	155	53										36.1	110	-2.7	33.3	189	0.9
12/19/23	Tue	23:50:12	-69	360	4.5	265	56										34.1	253	-2.7			
12/20/23	Wed	06:49:32	-6.3	117	-44.1	6	59			23.1	144	-4.1										
12/20/23	Wed	16:51:20	-6.3	243	42.4	137	64										36.9	111	-2.7	33.2	191	0.9
12/20/23	Wed	23:50:42	-69	360	17.0	262	67										33.3	254	-2.7			
12/21/23	Thr	06:50:04	-6.3	117	-37.6	352	70			22.8	144	-4.1										
12/21/23	Thr	16:51:49	-6.3	243	41.2	120	74										37.6	112	-2.7	33.1	192	0.9
12/21/23	Thr	23:51:12	-69	0	29.4	258	77										32.5	255	-2.7			
12/21/23	Thr	23:51:12			Jup 4.6																	
12/22/23	Fri	06:50:34	-6.3	117	-29.7	340	79			22.4	144	-4.1										
12/22/23	Fri	16:52:19	-6.3	243	37.5	104	83										38.4	113	-2.7	32.9	193	0.9
12/22/23	Fri	23:51:41	-69	0	41.5	254	85										31.7	255	-2.7			
12/23/23	Sat	06:51:02	-6.3	117	-21.2	330	87			22.1	144	-4.1										
12/23/23	Sat	16:52:52	-6.3	243	31.9	90	90										39.1	114	-2.7	32.8	194	0.9
12/23/23	Sat	23:52:11	-69	360	53.1	246	92										30.9	256	-2.7			
12/24/23	Sun	06:51:28	-6.3	117	-12.4	321	94			21.7	144	-4.1										
12/24/23	Sun	16:53:27	-6.3	243	24.9	79	96										39.9	115	-2.7	32.6	195	0.9
12/24/23	Sun	23:52:41	-69	0	63.7	234	97										30.1	257	-2.7			
12/25/23	Mon	06:51:51	-6.3	117	-3.2	312	98			21.4	144	-4.1										
12/25/23	Mon	16:54:03	-6.3	243	17.1	69	99										40.6	116	-2.6	32.4	197	0.9
12/25/23	Mon	23:53:10	-69	0	71.7	209	99										29.3	258	-2.6			
12/26/23	Tue	06:52:13	-6.3	117	5.3	304	100			21.1	144	-4.1										
12/26/23	Tue	16:54:42	-6.3	243	8.9	60	100										41.4	117	-2.6	32.2	198	0.9
12/26/23	Tue	23:53:40	-69	360	73.4	168	100										28.5	259	-2.6			
12/27/23	Wed	06:52:32	-6.3	117	13.4	295	99	3.5	123	2.2	20.7	144	-4.1									
12/27/23	Wed	16:55:23	-6.3	243	0.8	52	99										42.1	118	-2.6	32.0	199	0.9

DATE	DoW	Time	Sun		Moon		Mercury			Venus			Mars			Jupiter			Saturn			
			Alt	Az	Alt	Az	%	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag	Alt	Az	Mag
For observations near Journey Museum. All dates and times in MST.																						
12/27/23	Wed	23:54:09	-69	360	67.7	137	98										27.7	260	-2.6			
12/28/23	Thr	06:52:49	-6.3	117	20.9	286	97	4.7	124	1.7	20.4	144	-4.1									
12/28/23	Thr	16:56:05	-6.3	243	-8.1	44	96										42.8	120	-2.6	31.8	200	0.9
12/28/23	Thr	23:54:39	-69	0	58.7	121	95										27.0	261	-2.6			
12/29/23	Fri	06:53:03	-6.3	117	27.7	276	93	5.8	125	1.3	20.1	144	-4.0									
12/29/23	Fri	16:56:50	-6.3	244	-16.4	37	91										43.6	121	-2.6	31.5	201	0.9
12/29/23	Fri	23:55:08	-69	360	48.6	112	90										26.2	262	-2.6			
12/30/23	Sat	06:53:16	-6.3	116	33.3	264	88	6.7	126	0.9	19.7	144	-4.0									
12/30/23	Sat	16:57:36	-6.3	244	-24.4	29	85										44.3	122	-2.6	31.3	203	0.9
12/30/23	Sat	23:55:36	-69	360	38.1	106	83										25.4	262	-2.6			
12/31/23	Sun	06:53:26	-6.3	116	37.6	252	81	7.5	127	0.6	19.4	144	-4.0									
12/31/23	Sun	16:58:24	-6.3	244	-31.9	20	78										45.0	123	-2.6	31.0	204	0.9
12/31/23	Sun	23:56:05	-69	360	27.6	103	76										24.6	263	-2.6			
01/01/24	Mon	06:53:34	-6.3	116	40.2	238	73	8.1	128	0.4	19.0	144	-4.0									
01/01/24	Mon	16:59:14	-6.3	244	-38.8	10	70										45.7	125	-2.6	30.7	205	0.9

planetview3.py

Delta-T data current as of 04/24/2020