

## Annular Solar Eclipse of 2021 June 10

**Table 5b — Local Circumstances for the Partial Eclipse in the USA: MN - OH**

<b>CITY, PROVINCE*</b>	<b>Eclipse Begins</b>	<b>Maximum Eclipse</b>	<b>Eclipse Ends</b>	<b>Sun Alt.**</b>	<b>Sun Azm.**</b>	<b>Ecl. Obsc.</b>	<b>Ecl. Mag.</b>
<b>Minnesota</b>							
Minneapolis, MN	-	-	5:46:52	0	55	0.384	0.264
St. Paul, MN	-	-	5:46:45	0	55	0.390	0.270
<b>Missouri</b>							
St. Louis, MO	-	-	5:36:17	0	59	0.024	0.004
<b>New Hampshire</b>							
Concord, NH	-	5:34:48	6:34:17	4	61	0.812	0.744
<b>New Jersey</b>							
Elizabeth, NJ	-	5:32:51	6:30:52	1	59	0.797	0.726
Jersey City, NJ	-	5:32:50	6:30:54	1	59	0.797	0.726
Newark, NJ	-	5:32:55	6:30:58	1	59	0.798	0.726
Paterson, NJ	-	5:33:09	6:31:16	1	59	0.800	0.729
Trenton, NJ	-	5:32:35	6:30:20	0	59	0.795	0.722
<b>New York</b>							
Albany, NY	-	5:35:16	6:34:05	2	60	0.819	0.751
Buffalo, NY	-	5:38:41	6:36:29	0	57	0.850	0.788
New York, NY	-	5:32:48	6:30:53	1	59	0.797	0.725
Rochester, NY	-	5:38:14	6:36:24	1	58	0.846	0.783
Syracuse, NY	-	5:37:11	6:35:37	1	59	0.837	0.773
Yonkers, NY	-	5:33:02	6:31:13	1	60	0.799	0.728
<b>North Carolina</b>							
Asheville, NC	-	-	6:27:09	0	60	0.270	0.159
Charlotte, NC	-	-	6:25:32	0	61	0.302	0.187
Durham, NC	-	-	6:25:36	0	60	0.446	0.326
Greensboro, NC	-	-	6:26:14	0	60	0.420	0.299
Raleigh, NC	-	-	6:25:05	0	60	0.445	0.325
Winston-Salem, NC	-	-	6:26:32	0	60	0.399	0.278
<b>North Dakota</b>							
Bismarck, ND	-	-	5:53:51	0	53	0.147	0.065
<b>Ohio</b>							
Akron, OH	-	-	6:34:52	0	58	0.704	0.615
Cincinnati, OH	-	-	6:33:31	0	59	0.399	0.278
Cleveland, OH	-	-	6:35:34	0	57	0.724	0.638
Columbus, OH	-	-	6:33:54	0	58	0.539	0.425
Dayton, OH	-	-	6:34:17	0	58	0.446	0.326
Lima, OH	-	-	6:35:42	0	58	0.543	0.430
Steubenville, OH	-	-	6:33:18	0	58	0.686	0.594
Toledo, OH	-	-	6:36:46	0	57	0.635	0.534
Youngstown, OH	-	-	6:34:26	0	58	0.744	0.662

\* Cities are listed alphabetically by Province

\*\* Sun Altitude & Azimuth are given for maximum eclipse.

All Times are in Local Daylight Saving Time (Except Saskatchewan).

"Eclipses During 2021", Fred Espenak,

Observer's Handbook 2021, Royal Astronomical Society of Canada