

Eclipses During 2020

Table 1 — Central Line of the Annular Solar Eclipse of 2020 June 21

Time UT1	Central Line		Diameter Ratio	Sun Alt °	Sun Azm °	Path Width km	Central Duration m:s
	Latitude	Longitude					
04:48.5	01°16.1'N	017°47.9'E	0.977	0.0	66.6	85.2	01m22.4s
04:50	05°07.1'N	026°05.1'E	0.980	9.5	67.1	75.5	01m18.0s
04:55	09°17.2'N	034°06.9'E	0.983	19.6	68.3	65.0	01m12.7s
05:00	11°57.7'N	038°55.3'E	0.984	26.1	69.6	58.4	01m08.9s
05:05	14°05.3'N	042°37.2'E	0.986	31.3	70.9	53.2	01m05.8s
05:10	15°53.7'N	045°43.0'E	0.987	35.9	72.3	48.9	01m03.0s
05:15	17°28.9'N	048°25.8'E	0.988	40.0	73.7	45.2	01m00.4s
05:20	18°54.2'N	050°52.7'E	0.989	43.8	75.3	42.0	00m58.0s
05:25	20°11.5'N	053°08.0'E	0.989	47.3	76.9	39.1	00m55.8s
05:30	21°22.1'N	055°14.7'E	0.990	50.6	78.7	36.6	00m53.8s
05:35	22°26.9'N	057°14.6'E	0.991	53.8	80.5	34.3	00m51.8s
05:40	23°26.7'N	059°09.2'E	0.991	56.8	82.6	32.3	00m50.0s
05:45	24°21.9'N	060°59.9'E	0.992	59.7	84.8	30.5	00m48.4s
05:50	25°12.9'N	062°47.3'E	0.992	62.5	87.3	28.9	00m46.8s
05:55	26°00.0'N	064°32.2'E	0.992	65.2	90.0	27.5	00m45.4s
06:00	26°43.3'N	066°45.3'E	0.993	67.9	93.2	26.2	00m44.0s
06:05	27°23.1'N	067°56.9'E	0.993	70.4	96.9	25.1	00m42.9s
06:10	27°59.6'N	069°37.6'E	0.993	72.9	101.3	24.2	00m41.8s
06:15	28°32.7'N	071°17.6'E	0.993	75.2	106.7	23.3	00m40.9s
06:20	29°02.6'N	072°57.4'E	0.994	77.5	113.7	22.7	00m40.1s
06:25	29°29.4'N	074°37.0'E	0.994	79.5	122.9	22.1	00m39.4s
06:30	29°53.0'N	076°16.9'E	0.994	81.2	135.6	21.7	00m38.9s
06:35	30°13.5'N	077°57.3'E	0.994	82.4	152.8	21.4	00m38.5s
06:40	30°30.9'N	079°38.2'E	0.994	82.9	173.9	21.2	00m38.2s
06:45	30°45.1'N	081°20.0'E	0.994	82.4	195.0	21.1	00m38.1s
06:50	30°56.2'N	083°02.9'E	0.994	81.2	212.3	21.1	00m38.1s
06:55	31°04.0'N	084°47.0'E	0.994	79.5	225.1	21.3	00m38.3s
07:00	31°08.6'N	086°32.6'E	0.994	77.5	234.6	21.6	00m38.6s
07:05	31°09.8'N	088°19.8'E	0.994	75.3	241.8	22.0	00m39.1s
07:10	31°07.5'N	090°08.9'E	0.994	72.9	247.4	22.5	00m39.7s
07:15	31°01.7'N	092°00.2'E	0.993	70.5	252.1	23.2	00m40.4s
07:20	30°52.1'N	093°53.9'E	0.993	67.9	256.1	24.0	00m41.3s
07:25	30°38.7'N	095°50.5'E	0.993	65.3	259.5	25.0	00m42.3s
07:30	30°21.1'N	097°50.3'E	0.993	62.6	262.7	26.1	00m43.4s
07:35	29°59.2'N	099°53.9'E	0.992	59.8	265.5	27.4	00m44.7s
07:40	29°32.5'N	102°01.8'E	0.992	56.8	268.2	28.9	00m46.1s
07:45	29°00.8'N	104°15.0'E	0.991	53.8	270.7	30.6	00m47.7s
07:50	28°23.3'N	106°34.4'E	0.991	50.7	273.1	32.6	00m49.4s
07:55	27°39.6'N	109°01.5'E	0.990	47.4	275.4	34.8	00m51.2s
08:00	26°48.6'N	111°38.3'E	0.990	43.9	277.6	37.3	00m53.2s
08:05	25°48.9'N	114°27.4'E	0.989	40.1	279.8	40.2	00m55.3s
08:10	24°38.6'N	117°33.1'E	0.988	36.0	282.0	43.6	00m57.7s
08:15	23°14.4'N	121°02.4'E	0.987	31.5	284.2	47.6	01m00.3s
08:20	21°30.3'N	125°08.2'E	0.986	26.3	286.4	52.5	01m03.3s
08:25	19°12.6'N	130°20.4'E	0.984	19.8	288.8	58.8	01m06.9s
08:30	15°27.2'N	138°39.7'E	0.981	9.9	291.7	69.0	01m12.1s
08:31.7	11°28.2'N	147°35.3'E	0.979	0.0	293.9	79.4	01m16.8s

"Eclipses During 2020", Fred Espenak,
Observer's Handbook 2020, Royal Astronomical Society of Canada