

Eclipses During 2020

Table 3 — Central Line of the Total Solar Eclipse of 2020 December 14

Time UT1	Central Line		Diameter Ratio	Sun Alt °	Sun Azm °	Path Width km	Central Duration m:s
	Latitude	Longitude					
14:32.8	07°46.0'S	132°50.3'W	1.009	0.0	113.5	34.6	00m28.8s
14:35	12°29.6'S	122°51.5'W	1.012	11.4	111.6	48.3	00m42.9s
14:40	16°34.6'S	115°20.8'W	1.015	20.7	109.1	58.9	00m55.8s
14:45	19°23.9'S	110°32.2'W	1.017	27.1	106.9	65.5	01m05.2s
14:50	21°42.4'S	106°44.8'W	1.018	32.3	104.6	70.4	01m13.0s
14:55	23°42.5'S	103°31.1'W	1.019	36.7	102.1	74.2	01m20.0s
15:00	25°29.6'S	100°38.6'W	1.020	40.8	99.6	77.3	01m26.2s
15:05	27°06.9'S	098°00.7'W	1.021	44.4	96.8	79.9	01m32.0s
15:10	28°36.3'S	095°32.9'W	1.022	47.9	93.9	82.0	01m37.2s
15:15	29°58.9'S	093°12.5'W	1.023	51.0	90.7	83.8	01m42.1s
15:20	31°15.6'S	090°57.4'W	1.023	54.0	87.1	85.3	01m46.5s
15:25	32°27.1'S	088°46.0'W	1.024	56.8	83.2	86.5	01m50.5s
15:30	33°33.8'S	086°37.2'W	1.024	59.5	78.9	87.6	01m54.2s
15:35	34°36.0'S	084°30.0'W	1.024	61.9	74.1	88.4	01m57.5s
15:40	35°33.9'S	082°23.6'W	1.025	64.2	68.6	89.1	02m00.4s
15:45	36°27.8'S	080°17.3'W	1.025	66.3	62.4	89.6	02m02.9s
15:50	37°17.7'S	078°10.7'W	1.025	68.2	55.4	90.0	02m05.1s
15:55	38°03.7'S	076°03.1'W	1.025	69.8	47.4	90.3	02m06.8s
16:00	38°45.9'S	073°54.2'W	1.025	71.1	38.4	90.4	02m08.1s
16:05	39°24.1'S	071°43.7'W	1.025	72.1	28.5	90.4	02m09.1s
16:10	39°58.5'S	069°31.1'W	1.025	72.6	17.9	90.4	02m09.6s
16:15	40°28.9'S	067°16.3'W	1.025	72.7	7.0	90.2	02m09.7s
16:20	40°55.3'S	064°58.8'W	1.025	72.3	356.1	89.9	02m09.3s
16:25	41°17.5'S	062°38.5'W	1.025	71.5	345.8	89.4	02m08.6s
16:30	41°35.5'S	060°15.2'W	1.025	70.3	336.2	88.9	02m07.4s
16:35	41°49.1'S	057°48.5'W	1.025	68.8	327.5	88.3	02m05.8s
16:40	41°58.0'S	055°18.2'W	1.025	67.0	319.6	87.5	02m03.7s
16:45	42°02.1'S	052°44.1'W	1.024	65.0	312.6	86.6	02m01.3s
16:50	42°01.2'S	050°05.9'W	1.024	62.8	306.2	85.6	01m58.4s
16:55	41°55.0'S	047°23.0'W	1.024	60.4	300.4	84.4	01m55.1s
17:00	41°43.0'S	044°35.2'W	1.023	57.8	295.1	83.0	01m51.4s
17:05	41°24.9'S	041°41.8'W	1.023	55.1	290.1	81.5	01m47.3s
17:10	41°00.1'S	038°41.9'W	1.022	52.2	285.4	79.8	01m42.7s
17:15	40°28.0'S	035°34.5'W	1.021	49.1	281.0	77.8	01m37.8s
17:20	39°47.7'S	032°18.0'W	1.021	45.7	276.8	75.6	01m32.4s
17:25	38°57.9'S	028°50.1'W	1.020	42.2	272.7	73.0	01m26.5s
17:30	37°56.8'S	025°07.3'W	1.019	38.3	268.7	70.0	01m20.1s
17:35	36°41.8'S	021°04.2'W	1.018	34.0	264.8	66.4	01m13.1s
17:40	35°07.9'S	016°30.8'W	1.017	29.2	260.8	62.0	01m05.3s
17:45	33°05.8'S	011°06.9'W	1.015	23.4	256.6	56.3	00m56.3s
17:50	30°08.7'S	003°54.5'W	1.013	15.6	251.8	48.2	00m45.1s
17:54.1	23°36.8'S	011°03.0'E	1.008	0.0	244.5	30.4	00m25.2s

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