

TABLE 3 — CENTRAL LINE OF THE TOTAL SOLAR ECLIPSE OF 2017 AUG 21

Central Line							
UT1	Latitude	Longitude	Diameter Ratio	Sun Alt.	Sun Az.	Path Width km	Central Duration
16:49.1	39°44.2'N	171°35.4'W	1.016	0.0	74.5	62.2	00m51.6s
16:50	41°29.3'N	162°50.3'W	1.018	7.0	80.3	70.0	01m01.7s
16:55	43°35.4'N	149°21.2'W	1.021	18.0	90.6	81.4	01m19.4s
17:00	44°24.2'N	141°29.4'W	1.023	24.5	97.4	87.4	01m30.9s
17:05	44°47.3'N	135°22.0'W	1.024	29.6	103.3	91.9	01m40.4s
17:10	44°55.6'N	130°12.3'W	1.025	33.9	108.7	95.3	01m48.6s
17:15	44°53.6'N	125°41.0'W	1.026	37.7	113.8	98.2	01m55.9s
17:20	44°44.0'N	121°37.9'W	1.027	41.2	118.8	100.7	02m02.6s
17:25	44°28.2'N	117°56.7'W	1.028	44.3	123.7	102.8	02m08.6s
17:30	44°07.4'N	114°33.2'W	1.028	47.2	128.7	104.6	02m14.0s
17:35	43°42.4'N	111°24.5'W	1.029	49.8	133.8	106.2	02m18.9s
17:40	43°13.7'N	108°28.4'W	1.029	52.3	139.0	107.7	02m23.3s
17:45	42°41.8'N	105°43.0'W	1.029	54.5	144.3	108.9	02m27.1s
17:50	42°07.1'N	103°06.9'W	1.030	56.6	150.0	110.1	02m30.5s
17:55	41°29.9'N	100°39.0'W	1.030	58.4	155.9	111.1	02m33.3s
18:00	40°50.3'N	098°18.2'W	1.030	60.0	162.1	111.9	02m35.7s
18:05	40°08.6'N	096°03.6'W	1.030	61.3	168.6	112.7	02m37.5s
18:10	39°24.9'N	093°54.4'W	1.030	62.4	175.4	113.3	02m38.9s
18:15	38°39.4'N	091°49.9'W	1.031	63.2	182.5	113.9	02m39.8s
18:20	37°52.2'N	089°49.5'W	1.031	63.7	189.8	114.4	02m40.2s
18:25	37°03.2'N	087°52.5'W	1.031	63.9	197.2	114.7	02m40.2s
18:30	36°12.7'N	085°58.2'W	1.031	63.8	204.5	115.0	02m39.6s
18:35	35°20.6'N	084°06.2'W	1.030	63.4	211.6	115.1	02m38.6s
18:40	34°26.9'N	082°15.8'W	1.030	62.6	218.5	115.1	02m37.2s
18:45	33°31.7'N	080°26.5'W	1.030	61.6	224.9	115.0	02m35.2s
18:50	32°34.8'N	078°37.5'W	1.030	60.3	231.0	114.8	02m32.9s
18:55	31°36.4'N	076°48.3'W	1.030	58.8	236.6	114.4	02m30.1s
19:00	30°36.2'N	074°58.1'W	1.029	57.1	241.7	113.8	02m26.8s
19:05	29°34.2'N	073°06.2'W	1.029	55.1	246.4	113.1	02m23.2s
19:10	28°30.3'N	071°11.5'W	1.028	52.9	250.7	112.1	02m19.0s
19:15	27°24.2'N	069°13.1'W	1.028	50.5	254.6	110.8	02m14.5s
19:20	26°15.7'N	067°09.6'W	1.027	47.9	258.2	109.3	02m09.5s
19:25	25°04.6'N	064°59.3'W	1.027	45.1	261.5	107.4	02m04.0s
19:30	23°50.3'N	062°40.0'W	1.026	42.0	264.5	105.1	01m58.1s
19:35	22°32.1'N	060°08.6'W	1.025	38.6	267.3	102.3	01m51.6s
19:40	21°09.2'N	057°20.7'W	1.024	34.9	269.9	98.8	01m44.5s
19:45	19°39.9'N	054°09.0'W	1.023	30.7	272.4	94.5	01m36.6s
19:50	18°01.3'N	050°20.6'W	1.022	25.8	274.7	89.1	01m27.7s
19:55	16°07.2'N	045°26.2'W	1.020	19.8	277.1	81.9	01m17.1s
20:00	13°34.5'N	037°39.1'W	1.017	10.8	279.7	70.5	01m02.5s
20:02.1	11°01.2'N	027°26.5'W	1.014	0.0	282.1	56.7	00m47.1s

"Eclipses During 2017", Fred Espenak,
Observer's Handbook 2017, Royal Astronomical Society of Canada