

**Table 3 — Central Line of the Total Solar Eclipse of 2019 July 02**

UT1	Central Line		Diameter Ratio	Sun Alt	Sun Azm	Path Width	Central Duration
	Latitude	Longitude					
				°	°	km	m:s
18:02.3	37°39.5'S	160°25.5'W	1.032	0.0	60.4	125.8	01m59.6s
18:05	32°17.9'S	149°01.5'W	1.035	11.2	53.4	138.4	02m25.6s
18:10	28°51.2'S	141°59.7'W	1.038	18.9	48.7	148.0	02m46.4s
18:15	26°37.5'S	137°26.2'W	1.039	24.2	45.2	155.0	03m02.1s
18:20	24°55.5'S	133°53.2'W	1.040	28.4	42.2	160.9	03m15.4s
18:25	23°32.9'S	130°54.5'W	1.041	31.9	39.2	166.3	03m27.2s
18:30	22°24.1'S	128°18.3'W	1.042	35.0	36.4	171.2	03m37.8s
18:35	21°25.8'S	125°58.0'W	1.043	37.7	33.4	175.7	03m47.4s
18:40	20°36.1'S	123°49.3'W	1.044	40.1	30.4	180.0	03m56.0s
18:45	19°53.6'S	121°49.5'W	1.044	42.2	27.2	183.9	04m03.8s
18:50	19°17.5'S	119°56.7'W	1.045	44.0	23.9	187.5	04m10.6s
18:55	18°47.0'S	118°09.1'W	1.045	45.6	20.5	190.8	04m16.6s
19:00	18°21.6'S	116°25.8'W	1.045	46.9	16.9	193.6	04m21.6s
19:05	18°01.0'S	114°45.6'W	1.045	47.9	13.1	196.1	04m25.8s
19:10	17°45.0'S	113°07.7'W	1.046	48.7	9.3	198.0	04m29.0s
19:15	17°33.3'S	111°31.5'W	1.046	49.3	5.4	199.5	04m31.2s
19:20	17°25.8'S	109°56.2'W	1.046	49.5	1.4	200.3	04m32.5s
19:25	17°22.5'S	108°21.2'W	1.046	49.6	357.3	200.7	04m32.8s
19:30	17°23.4'S	106°46.0'W	1.046	49.3	353.3	200.4	04m32.2s
19:35	17°28.4'S	105°09.8'W	1.046	48.8	349.4	199.6	04m30.6s
19:40	17°37.8'S	103°32.1'W	1.046	48.1	345.5	198.2	04m28.0s
19:45	17°51.6'S	101°52.2'W	1.046	47.1	341.8	196.3	04m24.4s
19:50	18°10.1'S	100°09.2'W	1.045	45.8	338.2	194.0	04m19.9s
19:55	18°33.7'S	098°22.2'W	1.045	44.3	334.8	191.1	04m14.5s
20:00	19°02.8'S	096°30.0'W	1.045	42.6	331.5	187.9	04m08.2s
20:05	19°37.9'S	094°31.2'W	1.044	40.5	328.3	184.2	04m00.9s
20:10	20°20.0'S	092°24.0'W	1.044	38.2	325.3	180.3	03m52.7s
20:15	21°10.2'S	090°05.7'W	1.043	35.6	322.4	175.9	03m43.5s
20:20	22°10.3'S	087°32.5'W	1.042	32.6	319.6	171.2	03m33.3s
20:25	23°23.2'S	084°38.5'W	1.041	29.1	316.7	166.1	03m21.9s
20:30	24°53.8'S	081°13.2'W	1.040	25.0	313.8	160.3	03m08.9s
20:35	26°52.2'S	076°55.1'W	1.039	20.0	310.6	153.6	02m53.8s
20:40	29°48.6'S	070°39.3'W	1.037	13.0	306.5	144.8	02m34.4s
20:43.6	35°47.6'S	057°42.5'W	1.033	0.0	298.8	129.7	02m03.4s

"Eclipses During 2019", Fred Espenak,  
*Observer's Handbook 2019*, Royal Astronomical Society of Canada