

Table 1 - Central Line of the Total Solar Eclipse of 2016 March 09

Universal Time	Central Line		Diameter Ratio	Sun Altitude	Sun Azimuth	Path Width	Central Duration
	Latitude	Longitude					
	<i>hh:mm</i>						
00:16.7	02°15.0'S	088°16.8'E	1.027	0.0	94.4	93.7	01m30.1s
00:20	02°47.6'S	101°37.4'E	1.031	14.2	93.8	109.7	01m57.1s
00:25	02°35.1'S	108°49.4'E	1.034	22.6	93.7	119.1	02m15.5s
00:30	02°11.1'S	113°43.0'E	1.036	28.7	93.8	125.7	02m29.8s
00:35	01°41.6'S	117°34.7'E	1.037	33.7	94.2	131.0	02m42.1s
00:40	01°08.8'S	120°49.5'E	1.038	38.2	94.7	135.4	02m53.0s
00:45	00°33.4'S	123°39.2'E	1.039	42.2	95.4	139.1	03m03.0s
00:50	00°03.8'N	126°10.7'E	1.040	45.9	96.4	142.3	03m12.1s
00:55	00°42.6'N	128°28.2'E	1.041	49.3	97.6	145.1	03m20.5s
01:00	01°22.8'N	130°34.7'E	1.042	52.5	99.1	147.4	03m28.1s
01:05	02°04.0'N	132°32.4'E	1.042	55.6	100.9	149.4	03m35.1s
01:10	02°46.4'N	134°23.0'E	1.043	58.4	103.0	151.0	03m41.4s
01:15	03°29.7'N	136°07.6'E	1.043	61.2	105.7	152.4	03m47.1s
01:20	04°13.9'N	137°47.4'E	1.044	63.7	108.9	153.5	03m52.2s
01:25	04°58.9'N	139°23.2'E	1.044	66.1	112.7	154.3	03m56.5s
01:30	05°44.7'N	140°55.7'E	1.044	68.3	117.5	154.9	04m00.3s
01:35	06°31.3'N	142°25.6'E	1.044	70.3	123.2	155.3	04m03.4s
01:40	07°18.7'N	143°53.6'E	1.045	72.0	130.1	155.5	04m05.9s
01:45	08°06.8'N	145°20.0'E	1.045	73.3	138.2	155.6	04m07.7s
01:50	08°55.7'N	146°45.5'E	1.045	74.3	147.6	155.5	04m08.9s
01:55	09°45.3'N	148°10.4'E	1.045	74.8	157.8	155.2	04m09.4s
02:00	10°35.7'N	149°35.3'E	1.045	74.7	168.4	154.8	04m09.4s
02:05	11°26.9'N	151°00.7'E	1.045	74.2	178.7	154.3	04m08.7s
02:10	12°18.9'N	152°27.0'E	1.045	73.1	188.0	153.7	04m07.3s
02:15	13°11.7'N	153°54.7'E	1.045	71.7	196.2	152.9	04m05.4s
02:20	14°05.4'N	155°24.3'E	1.045	70.0	203.2	152.1	04m02.8s
02:25	15°00.0'N	156°56.5'E	1.044	68.0	209.2	151.1	03m59.6s
02:30	15°55.6'N	158°32.0'E	1.044	65.8	214.3	149.9	03m55.8s
02:35	16°52.2'N	160°11.3'E	1.044	63.3	218.6	148.7	03m51.4s
02:40	17°49.9'N	161°55.5'E	1.043	60.8	222.4	147.3	03m46.4s
02:45	18°48.8'N	163°45.5'E	1.043	58.0	225.8	145.7	03m40.7s
02:50	19°49.1'N	165°42.6'E	1.043	55.1	228.8	144.0	03m34.5s
02:55	20°50.8'N	167°48.4'E	1.042	52.0	231.6	142.1	03m27.6s
03:00	21°54.1'N	170°04.8'E	1.041	48.8	234.3	139.9	03m20.1s
03:05	22°59.4'N	172°34.6'E	1.041	45.3	236.9	137.5	03m11.9s
03:10	24°07.0'N	175°21.4'E	1.040	41.6	239.4	134.8	03m03.0s
03:15	25°17.2'N	178°30.8'E	1.039	37.5	242.0	131.6	02m53.2s
03:20	26°31.0'N	177°48.5'W	1.038	33.0	244.8	128.0	02m42.4s
03:25	27°49.5'N	173°21.0'W	1.036	27.8	247.9	123.5	02m30.2s
03:30	29°15.7'N	167°32.7'W	1.034	21.5	251.7	117.9	02m15.8s
03:35	30°58.6'N	158°28.3'W	1.032	12.5	257.1	109.3	01m56.5s
03:37.5	32°34.8'N	144°33.2'W	1.028	0.0	264.8	96.9	01m33.1s

"Eclipses During 2016", Fred Espenak,
Observer's Handbook 2016, Royal Astronomical Society of Canada