

Table 3 — Central Line of Annular Solar Eclipse of 2023 October 14

UTC	Central Line		Moon/Sun	Sun Alt.	Sun Az.	Path Width km	Central Duration
	Latitude	Longitude	Diameter Ratio				
16:12.4	49° 20.8'N	146° 55.4'W	0.938	0.0	102.7	244.8	04m19.5s
16:15	46° 01.5'N	131° 00.4'W	0.941	11.6	115.0	228.4	04m29.4s
16:20	42° 48.6'N	121° 21.1'W	0.943	20.0	122.9	217.6	04m36.8s
16:25	40° 15.5'N	115° 30.2'W	0.944	25.8	128.1	210.9	04m42.0s
16:30	38° 00.6'N	111° 12.1'W	0.945	30.5	132.1	205.8	04m46.3s
16:35	35° 57.2'N	107° 47.2'W	0.946	34.6	135.7	201.7	04m49.9s
16:40	34° 02.2'N	104° 57.0'W	0.947	38.3	138.9	198.3	04m53.1s
16:45	32° 13.7'N	102° 31.7'W	0.948	41.6	141.9	195.5	04m55.9s
16:50	30° 30.4'N	100° 24.9'W	0.948	44.7	144.8	193.1	04m58.5s
16:55	28° 51.5'N	098° 32.3'W	0.949	47.6	147.8	191.1	05m00.8s
17:00	27° 16.3'N	096° 51.0'W	0.949	50.3	150.8	189.3	05m03.0s
17:05	25° 44.3'N	095° 18.7'W	0.950	52.8	153.9	187.9	05m04.9s
17:10	24° 15.2'N	093° 53.8'W	0.950	55.2	157.2	186.7	05m06.7s
17:15	22° 48.7'N	092° 34.9'W	0.951	57.3	160.8	185.8	05m08.3s
17:20	21° 24.5'N	091° 20.9'W	0.951	59.4	164.6	185.1	05m09.8s
17:25	20° 02.4'N	090° 11.0'W	0.951	61.2	168.8	184.7	05m11.2s
17:30	18° 42.2'N	089° 04.4'W	0.951	62.9	173.3	184.4	05m12.4s
17:35	17° 23.9'N	088° 00.3'W	0.952	64.4	178.3	184.4	05m13.5s
17:40	16° 07.2'N	086° 58.3'W	0.952	65.6	183.7	184.6	05m14.5s
17:45	14° 52.1'N	085° 57.8'W	0.952	66.6	189.5	185.1	05m15.4s
17:50	13° 38.5'N	084° 58.4'W	0.952	67.3	195.6	185.7	05m16.1s
17:55	12° 26.2'N	083° 59.6'W	0.952	67.8	202.0	186.5	05m16.7s
18:00	11° 15.4'N	083° 01.1'W	0.952	67.9	208.6	187.5	05m17.2s
18:05	10° 05.8'N	082° 02.3'W	0.952	67.7	215.1	188.7	05m17.6s
18:10	08° 57.5'N	081° 02.9'W	0.952	67.2	221.3	190.1	05m17.7s
18:15	07° 50.5'N	080° 02.6'W	0.952	66.5	227.2	191.7	05m17.8s
18:20	06° 44.6'N	079° 00.8'W	0.952	65.5	232.6	193.4	05m17.6s
18:25	05° 40.0'N	077° 57.3'W	0.952	64.2	237.6	195.2	05m17.3s
18:30	04° 36.6'N	076° 51.4'W	0.952	62.7	242.0	197.1	05m16.7s
18:35	03° 34.4'N	075° 42.8'W	0.951	61.0	245.8	199.1	05m16.0s
18:40	02° 33.5'N	074° 30.8'W	0.951	59.1	249.2	201.2	05m15.0s
18:45	01° 33.9'N	073° 14.8'W	0.951	57.1	252.1	203.3	05m13.8s
18:50	00° 35.6'N	071° 54.2'W	0.951	54.9	254.7	205.4	05m12.3s
18:55	00° 21.1'S	070° 28.0'W	0.950	52.5	256.8	207.4	05m10.5s
19:00	01° 16.3'S	068° 55.3'W	0.950	50.0	258.6	209.5	05m08.4s
19:05	02° 09.6'S	067° 14.6'W	0.949	47.3	260.2	211.4	05m05.9s
19:10	03° 01.0'S	065° 24.4'W	0.949	44.3	261.4	213.3	05m03.1s
19:15	03° 50.1'S	063° 22.3'W	0.948	41.2	262.4	215.2	04m59.9s
19:20	04° 36.4'S	061° 05.4'W	0.948	37.8	263.1	217.1	04m56.2s
19:25	05° 19.2'S	058° 29.0'W	0.947	34.1	263.6	219.0	04m52.1s
19:30	05° 57.4'S	055° 25.8'W	0.946	29.9	263.9	221.1	04m47.3s
19:35	06° 29.0'S	051° 42.2'W	0.945	25.0	263.9	223.5	04m41.6s
19:40	06° 49.4'S	046° 48.1'W	0.943	19.0	263.6	226.9	04m34.7s
19:45	06° 41.1'S	038° 45.9'W	0.941	9.8	262.7	232.7	04m24.7s
19:46.8	05° 41.1'S	029° 23.2'W	0.939	0.0	261.7	240.1	04m14.9s

"Eclipses During 2023", Fred Espenak, Observer's Handbook 2023, Royal Astronomical Society of Canada