

**Table 1 — Central Line of Hyruid Solar Eclipse of 2023 April 20**

UTC	Central Line		Moon/Sun	Sun Alt.	Sun Az.	Path Width km	Central Duration
	Latitude	Longitude	Diameter Ratio				
02:37.2	48° 27.0'S	063° 37.0'E	0.998	0.0	72.7	6.3	(00m06.4s)
02:40	43° 56.4'S	079° 55.1'E	1.002	12.6	60.3	7.0	00m07.8s
02:45	40° 16.1'S	088° 51.4'E	1.004	20.9	53.1	15.3	00m18.3s
02:50	37° 25.7'S	094° 22.4'E	1.006	26.8	48.3	20.7	00m26.1s
02:55	34° 58.4'S	098° 28.1'E	1.007	31.6	44.5	25.0	00m32.6s
03:00	32° 45.6'S	101° 44.8'E	1.008	35.8	41.2	28.4	00m38.3s
03:05	30° 43.2'S	104° 29.6'E	1.009	39.5	38.0	31.4	00m43.4s
03:10	28° 48.7'S	106° 51.6'E	1.010	42.9	35.0	34.0	00m48.0s
03:15	27° 00.6'S	108° 56.8'E	1.010	46.0	32.0	36.2	00m52.2s
03:20	25° 17.8'S	110° 49.2'E	1.011	48.9	29.0	38.2	00m56.0s
03:25	23° 39.5'S	112° 31.4'E	1.011	51.6	25.8	39.9	00m59.4s
03:30	22° 05.2'S	114° 05.7'E	1.012	54.1	22.4	41.5	01m02.5s
03:35	20° 34.3'S	115° 33.5'E	1.012	56.4	18.7	42.9	01m05.3s
03:40	19° 06.5'S	116° 56.2'E	1.012	58.5	14.8	44.1	01m07.7s
03:45	17° 41.6'S	118° 14.8'E	1.013	60.4	10.5	45.2	01m09.9s
03:50	16° 19.3'S	119° 30.2'E	1.013	62.1	5.8	46.1	01m11.7s
03:55	14° 59.3'S	120° 43.1'E	1.013	63.6	0.6	46.9	01m13.2s
04:00	13° 41.6'S	121° 54.1'E	1.013	64.8	355.1	47.6	01m14.4s
04:05	12° 26.0'S	123° 03.9'E	1.013	65.7	349.1	48.1	01m15.3s
04:10	11° 12.4'S	124° 13.0'E	1.013	66.3	342.8	48.6	01m15.8s
04:15	10° 00.7'S	125° 21.8'E	1.013	66.6	336.3	48.9	01m16.1s
04:20	08° 50.9'S	126° 30.9'E	1.013	66.6	329.8	49.1	01m16.0s
04:25	07° 42.9'S	127° 40.7'E	1.013	66.2	323.5	49.1	01m15.6s
04:30	06° 36.7'S	128° 51.6'E	1.013	65.5	317.4	49.0	01m14.9s
04:35	05° 32.3'S	130° 04.3'E	1.013	64.6	311.8	48.7	01m13.8s
04:40	04° 29.7'S	131° 19.0'E	1.013	63.3	306.7	48.2	01m12.4s
04:45	03° 28.9'S	132° 36.5'E	1.012	61.8	302.2	47.6	01m10.6s
04:50	02° 29.9'S	133° 57.3'E	1.012	60.0	298.2	46.7	01m08.5s
04:55	01° 32.9'S	135° 22.0'E	1.012	58.1	294.7	45.6	01m06.1s
05:00	00° 37.9'S	136° 51.4'E	1.011	55.9	291.7	44.3	01m03.2s
05:05	00° 14.9'N	138° 26.3'E	1.011	53.6	289.1	42.6	01m00.1s
05:10	01° 05.4'N	140° 08.0'E	1.010	51.0	286.9	40.7	00m56.5s
05:15	01° 53.2'N	141° 57.7'E	1.010	48.3	285.1	38.5	00m52.6s
05:20	02° 38.1'N	143° 57.0'E	1.009	45.3	283.6	36.0	00m48.3s
05:25	03° 19.6'N	146° 08.4'E	1.008	42.1	282.4	33.1	00m43.5s
05:30	03° 57.0'N	148° 34.9'E	1.008	38.7	281.5	29.7	00m38.4s
05:35	04° 29.3'N	151° 21.2'E	1.007	34.8	280.8	25.9	00m32.7s
05:40	04° 54.9'N	154° 35.1'E	1.006	30.5	280.4	21.4	00m26.3s
05:45	05° 10.9'N	158° 30.3'E	1.004	25.5	280.2	16.1	00m19.2s
05:50	05° 10.6'N	163° 38.8'E	1.002	19.2	280.3	9.4	00m10.7s
05:55	04° 27.1'N	172° 09.4'E	1.000	9.5	280.9	1.2	(00m01.3s)
05:56.6	02° 55.8'N	178° 48.9'W	0.997	0.0	281.5	11.5	(00m11.5s)

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