

Table 4

Path of the Umbral Shadow of the Total Solar Eclipse of 2010 July 11

Universal Time	Northern Limit		Southern Limit		Central Line		Sun Path Alt °	Sun Path Width km	Central Durat.
	Latitude	Longitude	Latitude	Longitude	Latitude	Longitude			
Limits	26°02.9'S	171°10.7'W	27°40.6'S	170°48.2'W	26°51.4'S	170°59.5'W	0	179	02m42.4s
18:20	20°50.8'S	157°59.3'W	23°57.1'S	161°17.4'W	22°19.8'S	159°27.6'W	12	197	03m15.1s
18:25	18°54.4'S	152°08.8'W	21°29.5'S	154°04.9'W	20°10.7'S	153°03.5'W	19	209	03m37.8s
18:30	17°44.8'S	147°59.6'W	20°10.9'S	149°29.3'W	18°57.0'S	148°42.5'W	24	219	03m55.0s
18:35	16°58.8'S	144°38.3'W	19°20.7'S	145°54.6'W	18°09.2'S	145°15.0'W	28	227	04m09.5s
18:40	16°28.2'S	141°46.0'W	18°47.8'S	142°54.2'W	17°37.6'S	142°19.0'W	32	235	04m22.1s
18:45	16°09.0'S	139°13.5'W	18°27.2'S	140°16.4'W	17°17.7'S	139°44.0'W	35	241	04m33.3s
18:50	15°58.9'S	136°55.3'W	18°16.1'S	137°54.5'W	17°07.1'S	137°24.2'W	37	247	04m43.1s
18:55	15°56.2'S	134°48.0'W	18°12.7'S	135°44.6'W	17°04.1'S	135°15.7'W	39	252	04m51.7s
19:00	16°00.1'S	132°49.1'W	18°16.0'S	133°43.8'W	17°07.7'S	133°15.9'W	41	256	04m59.1s
19:05	16°09.8'S	130°56.9'W	18°25.2'S	131°50.1'W	17°17.2'S	131°23.1'W	43	259	05m05.4s
19:10	16°24.8'S	129°10.0'W	18°39.8'S	130°02.0'W	17°31.9'S	129°35.6'W	44	261	05m10.5s
19:15	16°44.7'S	127°27.2'W	18°59.3'S	128°18.3'W	17°51.7'S	127°52.5'W	45	262	05m14.6s
19:20	17°09.4'S	125°47.7'W	19°23.6'S	126°38.0'W	18°16.1'S	126°12.6'W	46	262	05m17.5s
19:25	17°38.6'S	124°10.6'W	19°52.4'S	125°00.1'W	18°45.1'S	124°35.1'W	47	261	05m19.4s
19:30	18°12.2'S	122°35.1'W	20°25.7'S	123°23.8'W	19°18.6'S	122°59.4'W	47	260	05m20.3s
19:35	18°50.3'S	121°00.7'W	21°03.5'S	121°48.5'W	19°56.5'S	121°24.5'W	47	258	05m20.0s
19:40	19°32.9'S	119°26.5'W	21°45.8'S	120°13.4'W	20°38.9'S	119°49.9'W	47	255	05m18.8s
19:45	20°20.0'S	117°51.9'W	22°32.7'S	118°37.7'W	21°25.9'S	118°14.8'W	46	252	05m16.5s
19:50	21°11.9'S	116°16.2'W	23°24.5'S	117°00.6'W	22°17.7'S	116°38.5'W	46	249	05m13.3s
19:55	22°08.7'S	114°38.5'W	24°21.4'S	115°21.3'W	23°14.5'S	115°00.0'W	45	245	05m09.1s
20:00	23°10.9'S	112°57.8'W	25°23.8'S	113°38.6'W	24°16.8'S	113°18.4'W	43	241	05m03.9s
20:05	24°18.9'S	111°13.1'W	26°32.3'S	111°51.5'W	25°25.0'S	111°32.6'W	42	237	04m57.8s
20:10	25°33.4'S	109°23.0'W	27°47.7'S	109°58.3'W	26°39.9'S	109°41.0'W	40	233	04m50.7s
20:15	26°55.2'S	107°25.6'W	29°10.9'S	107°57.0'W	28°02.3'S	107°41.8'W	38	228	04m42.7s
20:20	28°25.7'S	105°18.6'W	30°43.3'S	105°44.8'W	29°33.7'S	105°32.3'W	36	224	04m33.7s
20:25	30°06.6'S	102°58.5'W	32°27.2'S	103°17.8'W	31°16.0'S	103°09.0'W	33	219	04m23.6s
20:30	32°00.8'S	100°20.1'W	34°25.8'S	100°29.7'W	33°12.2'S	100°26.0'W	30	214	04m12.3s
20:35	34°12.7'S	097°14.8'W	36°45.0'S	097°09.4'W	35°27.5'S	097°13.7'W	26	209	03m59.4s
20:40	36°51.0'S	093°26.0'W	39°36.2'S	092°54.4'W	38°11.7'S	093°12.9'W	21	204	03m44.4s
20:45	40°16.5'S	088°13.0'W	43°32.5'S	086°39.3'W	41°50.5'S	087°33.0'W	15	197	03m25.7s
20:50	46°09.3'S	078°12.1'W	-	-	50°24.0'S	071°53.8'W	1	183	02m47.2s
Limits	50°07.6'S	070°19.6'W	51°35.5'S	071°33.7'W	50°51.4'S	070°55.8'W	0	183	02m45.4s

Courtesy of **Annular and Total Solar Eclipses of 2010**, NASA/TP-2008-214171, F. Espenak and J. Anderson, 2008.