

TABLE 3.6

TOPOCENTRIC DATA AND PATH CORRECTIONS DUE TO LUNAR LIMB PROFILE
TOTAL SOLAR ECLIPSE OF 2010 JULY 11

ΔT = 66.2 s

Universal Time	Moon Topo H.P. "	Moon Topo S.D. "	Moon Rel. Ang.V "/s	Topo Lib. Long °	Sun Alt. °	Sun Az. °	Path Az. °	North Limit P.A. °	North Limit		South Limit		Central Durat. Corr. s
									Int.	Ext.	Int.	Ext.	
18:20	3632.8	989.2	0.464	-2.53	12.0	59.8	68.6	6.6	-0.3	0.5	0.6	-2.3	-2.2
18:25	3640.7	991.3	0.435	-2.58	19.2	56.5	71.9	7.7	-0.2	0.6	0.3	-2.4	-2.7
18:30	3646.0	992.8	0.416	-2.62	24.2	53.9	74.9	8.7	-0.1	0.7	0.2	-3.0	-3.3
18:35	3650.2	993.9	0.401	-2.66	28.3	51.3	77.9	9.8	0.1	0.7	0.1	-3.1	-3.9
18:40	3653.6	994.8	0.388	-2.71	31.7	48.8	80.9	10.8	0.2	0.7	-0.1	-3.0	-4.1
18:45	3656.4	995.6	0.378	-2.75	34.6	46.2	83.9	11.8	0.3	1.0	-0.3	-2.5	-4.6
18:50	3658.8	996.3	0.370	-2.79	37.1	43.5	87.0	12.8	0.3	1.1	-0.3	-3.0	-4.9
18:55	3660.9	996.8	0.362	-2.83	39.3	40.6	90.2	13.8	0.3	1.5	-0.3	-3.3	-5.2
19:00	3662.6	997.3	0.357	-2.88	41.2	37.6	93.4	14.8	0.2	1.4	-0.4	-3.2	-5.4
19:05	3664.1	997.7	0.352	-2.92	42.9	34.4	96.6	15.8	0.2	1.1	-0.4	-3.3	-5.5
19:10	3665.3	998.0	0.348	-2.96	44.2	31.0	99.8	16.8	0.2	0.9	-0.2	-3.8	-5.6
19:15	3666.3	998.3	0.345	-3.00	45.3	27.5	102.9	17.8	0.2	0.7	-0.2	-4.2	-5.5
19:20	3667.1	998.5	0.343	-3.05	46.2	23.9	106.0	18.7	0.2	0.9	-0.1	-4.3	-5.8
19:25	3667.6	998.6	0.342	-3.09	46.7	20.1	108.9	19.6	0.2	1.2	-0.1	-4.0	-6.0
19:30	3668.0	998.7	0.342	-3.13	47.1	16.3	111.7	20.4	0.3	1.4	0.0	-3.3	-6.2
19:35	3668.1	998.8	0.342	-3.18	47.1	12.4	114.3	21.2	0.3	1.3	0.0	-2.7	-6.3
19:40	3668.0	998.7	0.344	-3.22	46.9	8.4	116.8	22.0	0.4	1.2	0.0	-2.2	-6.3
19:45	3667.7	998.7	0.346	-3.26	46.4	4.6	119.0	22.7	0.5	1.6	0.0	-2.6	-6.3
19:50	3667.2	998.5	0.348	-3.30	45.7	0.7	121.1	23.3	0.6	1.7	-0.0	-2.8	-6.4
19:55	3666.5	998.4	0.352	-3.35	44.7	356.9	123.0	23.9	0.7	1.7	-0.0	-2.8	-6.3
20:00	3665.6	998.1	0.356	-3.39	43.4	353.2	124.6	24.4	0.7	1.5	-0.1	-2.7	-6.1
20:05	3664.4	997.8	0.361	-3.43	41.9	349.6	126.1	24.8	0.8	1.3	-0.1	-2.5	-5.9
20:10	3663.0	997.4	0.367	-3.48	40.1	346.1	127.4	25.2	0.9	1.2	-0.1	-2.3	-5.8
20:15	3661.2	996.9	0.375	-3.52	38.0	342.7	128.4	25.5	1.0	1.4	-0.1	-2.2	-5.6
20:20	3659.1	996.4	0.383	-3.56	35.5	339.3	129.3	25.6	1.0	1.5	-0.1	-2.2	-5.5
20:25	3656.6	995.7	0.392	-3.61	32.8	335.9	129.9	25.7	1.0	1.5	-0.1	-2.3	-5.4
20:30	3653.6	994.9	0.404	-3.65	29.6	332.5	130.3	25.6	1.0	1.5	-0.1	-2.2	-5.2
20:35	3649.9	993.9	0.417	-3.69	25.8	328.9	130.5	25.4	0.9	1.4	-0.1	-2.2	-5.1
20:40	3645.3	992.6	0.434	-3.73	21.2	324.8	130.3	25.0	0.8	1.2	-0.1	-2.5	-5.1
20:45	3638.9	990.9	0.456	-3.78	15.1	319.7	129.7	24.3	0.7	1.6	-0.0	-2.8	-5.0
20:50	3623.6	986.6	0.511	-3.82	0.8	307.2	126.9	22.0	0.7	1.6	-0.0	-2.8	-5.0