

TABLE 2.6

TOPOCENTRIC DATA AND PATH CORRECTIONS DUE TO LUNAR LIMB PROFILE
ANNULAR SOLAR ECLIPSE OF 2010 JANUARY 15

$\Delta T = 66.0 \text{ s}$													
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.	
05:20	3256.0	886.6	0.386	2.42	11.1	112.3	109.6	173.5	-2.9	2.9	0.9	-4.2	-8.5
05:25	3263.1	888.6	0.355	2.38	19.4	112.9	107.3	172.4	-2.4	3.3	0.9	-3.6	-10.1
05:30	3267.9	889.9	0.335	2.34	25.2	113.3	105.2	171.3	-2.3	3.2	0.8	-3.3	-11.4
05:35	3271.6	890.9	0.319	2.30	29.8	113.8	103.0	170.2	-2.3	3.5	0.7	-3.4	-12.6
05:40	3274.6	891.7	0.306	2.26	33.8	114.4	100.9	169.1	-1.8	3.0	0.4	-2.9	-13.5
05:45	3277.2	892.4	0.295	2.21	37.4	115.1	98.6	168.0	-1.7	2.5	0.3	-2.9	-14.6
05:50	3279.5	893.0	0.285	2.17	40.7	116.0	96.3	166.9	-2.4	2.1	0.7	-3.3	-15.5
05:55	3281.5	893.5	0.277	2.13	43.7	117.0	93.9	165.7	-2.8	1.7	0.8	-2.8	-16.3
06:00	3283.3	894.0	0.270	2.09	46.5	118.2	91.4	164.5	-2.8	1.6	0.8	-2.8	-17.4
06:05	3284.9	894.4	0.263	2.04	49.1	119.7	88.9	163.3	-2.4	1.9	0.6	-2.8	-17.8
06:10	3286.2	894.8	0.258	2.00	51.6	121.4	86.4	162.2	-1.5	2.2	0.5	-3.0	-18.0
06:15	3287.5	895.1	0.253	1.96	53.9	123.3	83.8	161.0	-1.5	2.8	0.9	-4.1	-17.8
06:20	3288.5	895.4	0.249	1.92	56.0	125.6	81.2	159.8	-2.2	2.9	1.0	-4.5	-17.7
06:25	3289.5	895.7	0.245	1.87	57.9	128.2	78.7	158.6	-2.7	2.0	0.6	-4.9	-17.4
06:30	3290.3	895.9	0.242	1.83	59.7	131.2	76.1	157.4	-2.9	2.5	0.7	-5.2	-17.1
06:35	3291.0	896.1	0.240	1.79	61.3	134.6	73.6	156.3	-3.0	3.0	1.1	-4.9	-16.7
06:40	3291.6	896.2	0.238	1.75	62.7	138.4	71.1	155.2	-2.7	3.1	1.0	-4.4	-16.2
06:45	3292.0	896.4	0.237	1.70	63.9	142.7	68.7	154.1	-2.5	3.6	1.0	-4.2	-16.0
06:50	3292.4	896.5	0.236	1.66	64.9	147.3	66.4	153.0	-3.4	4.1	1.4	-4.7	-15.9
06:55	3292.6	896.5	0.236	1.62	65.7	152.4	64.2	152.0	-3.9	4.6	1.5	-4.2	-15.7
07:00	3292.8	896.6	0.236	1.58	66.2	157.7	62.2	151.1	-4.1	3.5	1.2	-3.9	-15.4
07:05	3292.8	896.6	0.236	1.53	66.4	163.2	60.2	150.2	-4.6	4.0	1.1	-4.2	-15.0
07:10	3292.8	896.6	0.237	1.49	66.3	168.8	58.4	149.3	-4.7	3.7	1.1	-4.5	-14.3
07:15	3292.6	896.5	0.239	1.45	66.0	174.3	56.7	148.5	-4.7	4.1	1.2	-4.8	-13.8
07:20	3292.4	896.5	0.240	1.41	65.4	179.6	55.2	147.8	-4.4	4.5	1.3	-4.5	-13.3
07:25	3292.0	896.4	0.243	1.36	64.6	184.7	53.8	147.2	-4.1	4.9	1.2	-4.3	-12.8
07:30	3291.5	896.2	0.245	1.32	63.5	189.4	52.6	146.6	-3.7	5.2	1.2	-4.2	-12.4
07:35	3291.0	896.1	0.248	1.28	62.2	193.7	51.5	146.1	-3.7	5.7	1.3	-4.1	-12.2
07:40	3290.3	895.9	0.251	1.24	60.7	197.7	50.6	145.7	-4.1	5.6	1.2	-4.0	-12.0
07:45	3289.5	895.7	0.255	1.19	59.0	201.3	49.8	145.3	-4.3	4.9	1.1	-3.9	-11.7
07:50	3288.5	895.4	0.259	1.15	57.1	204.6	49.2	145.0	-4.4	4.5	1.0	-3.7	-11.4
07:55	3287.5	895.2	0.264	1.11	55.1	207.6	48.8	144.8	-4.5	4.6	0.9	-3.8	-11.1
08:00	3286.3	894.8	0.269	1.07	52.9	210.3	48.5	144.7	-4.5	4.7	0.9	-3.9	-10.7
08:05	3284.9	894.5	0.275	1.02	50.6	212.8	48.4	144.6	-4.5	4.8	0.9	-3.9	-10.5
08:10	3283.4	894.1	0.281	0.98	48.1	215.1	48.4	144.7	-4.5	4.7	0.9	-3.9	-10.3
08:15	3281.7	893.6	0.288	0.94	45.4	217.3	48.6	144.8	-4.4	4.7	1.0	-3.9	-10.1
08:20	3279.8	893.1	0.295	0.90	42.5	219.4	48.9	145.1	-4.3	5.3	1.1	-4.0	-9.8
08:25	3277.6	892.5	0.304	0.86	39.4	221.4	49.5	145.4	-4.2	5.5	1.2	-4.2	-9.7
08:30	3275.1	891.8	0.313	0.81	36.0	223.4	50.2	145.8	-3.9	6.0	1.3	-4.4	-9.5
08:35	3272.3	891.1	0.324	0.77	32.2	225.4	51.2	146.4	-3.4	5.7	1.3	-4.7	-9.3
08:40	3268.9	890.2	0.337	0.73	28.0	227.7	52.5	147.2	-3.9	5.2	1.1	-5.0	-9.1
08:45	3264.8	889.0	0.352	0.69	23.0	230.2	54.1	148.2	-4.4	4.6	1.2	-5.5	-9.2
08:50	3259.3	887.6	0.372	0.64	16.5	233.6	56.5	149.5	-4.5	3.9	1.1	-4.7	-9.4
08:55	3248.7	884.7	0.412	0.60	4.4	240.5	61.3	152.3	-3.8	4.6	1.3	-4.9	-9.0