

# ANNULAR SOLAR ECLIPSE OF 2012 MAY 20

## TABLE 6

### TOPOCENTRIC DATA AND PATH CORRECTIONS DUE TO LUNAR LIMB PROFILE ANNULAR SOLAR ECLIPSE OF 2012 MAY 20

$\Delta T = 66.7 \text{ s}$													
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.	
22:10	3247.4	884.3	0.474	-0.48	6.9	70.9	65.4	164.7	-2.4	3.8	0.2	-3.4	-8.4
22:15	3256.2	886.7	0.438	-0.53	17.0	75.7	61.6	163.8	-2.0	3.9	0.0	-3.0	-9.3
22:20	3261.3	888.1	0.417	-0.57	23.1	79.3	59.7	163.4	-2.2	3.7	-0.0	-2.9	-9.9
22:25	3265.2	889.1	0.401	-0.61	27.8	82.7	58.6	163.2	-2.3	3.6	0.1	-2.8	-10.4
22:30	3268.4	890.0	0.388	-0.65	31.8	86.0	57.8	163.2	-2.3	3.5	0.1	-2.7	-10.8
22:35	3271.1	890.7	0.377	-0.70	35.4	89.4	57.4	163.2	-2.3	3.5	0.1	-2.7	-11.1
22:40	3273.4	891.3	0.367	-0.74	38.5	92.9	57.3	163.3	-2.3	3.4	0.1	-2.7	-11.2
22:45	3275.4	891.9	0.358	-0.78	41.4	96.5	57.5	163.4	-2.2	3.4	0.0	-2.7	-11.4
22:50	3277.2	892.4	0.350	-0.82	44.1	100.3	57.9	163.6	-2.1	3.5	0.0	-2.7	-11.6
22:55	3278.8	892.8	0.343	-0.86	46.6	104.4	58.5	163.9	-1.9	3.5	0.0	-2.8	-11.8
23:00	3280.2	893.2	0.337	-0.91	48.8	108.6	59.3	164.2	-2.1	3.5	0.1	-2.9	-11.9
23:05	3281.5	893.5	0.332	-0.95	50.9	113.1	60.2	164.5	-2.3	3.2	0.2	-2.9	-12.1
23:10	3282.5	893.8	0.327	-0.99	52.8	117.9	61.3	164.9	-2.5	3.1	0.3	-3.0	-12.2
23:15	3283.5	894.0	0.323	-1.03	54.5	123.0	62.6	165.3	-2.6	2.3	0.4	-3.1	-12.2
23:20	3284.3	894.3	0.319	-1.08	56.0	128.5	64.0	165.8	-2.6	2.3	0.5	-2.9	-12.3
23:25	3285.0	894.5	0.316	-1.12	57.3	134.2	65.6	166.3	-2.6	2.4	0.5	-2.9	-12.3
23:30	3285.6	894.6	0.313	-1.16	58.5	140.2	67.3	166.8	-2.5	2.5	0.5	-3.0	-12.2
23:35	3286.0	894.7	0.311	-1.20	59.4	146.6	69.0	167.4	-2.7	2.5	0.6	-3.1	-12.1
23:40	3286.4	894.8	0.309	-1.25	60.1	153.2	70.9	168.0	-2.9	2.6	0.8	-3.2	-11.8
23:45	3286.6	894.9	0.308	-1.29	60.6	160.0	72.9	168.6	-3.1	2.7	0.9	-2.4	-11.6
23:50	3286.8	894.9	0.307	-1.33	60.8	167.0	75.0	169.2	-3.2	2.8	0.8	-2.6	-11.2
23:55	3286.8	894.9	0.307	-1.38	60.9	174.1	77.2	169.9	-3.1	3.0	0.7	-2.7	-10.8
00:00	3286.7	894.9	0.307	-1.42	60.6	181.2	79.4	170.5	-2.9	3.1	0.8	-2.4	-10.3
00:05	3286.5	894.9	0.308	-1.46	60.2	188.2	81.7	171.2	-2.5	3.3	1.0	-1.6	-9.7
00:10	3286.3	894.8	0.309	-1.50	59.5	195.1	84.0	171.9	-2.6	3.5	1.0	-1.8	-9.3
00:15	3285.8	894.7	0.311	-1.55	58.6	201.9	86.4	172.6	-3.0	3.7	1.2	-2.0	-9.2
00:20	3285.3	894.5	0.313	-1.59	57.4	208.4	88.8	173.3	-3.1	3.4	1.4	-1.8	-9.0
00:25	3284.7	894.4	0.316	-1.63	56.1	214.7	91.2	174.0	-3.1	1.9	1.5	-2.0	-8.8
00:30	3283.9	894.2	0.319	-1.67	54.6	220.8	93.6	174.7	-3.0	1.8	1.4	-2.3	-8.6
00:35	3283.1	893.9	0.323	-1.72	52.9	226.6	95.9	175.4	-3.2	2.9	1.1	-1.9	-8.7
00:40	3282.0	893.7	0.328	-1.76	51.0	232.3	98.3	176.0	-3.6	2.8	0.9	-2.0	-8.4
00:45	3280.9	893.3	0.333	-1.80	49.0	237.7	100.6	176.7	-3.9	2.7	0.9	-2.2	-8.5
00:50	3279.5	893.0	0.339	-1.84	46.8	242.9	102.8	177.3	-4.1	2.5	0.7	-2.5	-8.6
00:56	3277.7	892.5	0.347	-1.89	43.8	248.9	105.4	178.1	-4.2	2.8	0.8	-2.8	-8.7
01:00	3276.3	892.1	0.353	-1.93	41.7	252.8	107.0	178.6	-4.2	3.0	1.0	-3.0	-8.6
01:05	3274.3	891.6	0.362	-1.97	38.8	257.6	108.9	179.2	-4.1	3.3	1.1	-3.1	-8.5
01:10	3272.1	891.0	0.372	-2.01	35.7	262.3	110.7	179.7	-3.8	2.4	1.2	-2.8	-8.4
01:15	3269.5	890.3	0.383	-2.05	32.2	266.9	112.3	180.2	-3.5	2.2	1.2	-3.1	-8.2
01:20	3266.4	889.4	0.396	-2.10	28.2	271.7	113.8	180.7	-3.3	2.6	1.2	-2.9	-7.9
01:25	3262.6	888.4	0.413	-2.14	23.5	276.6	114.9	181.2	-3.1	3.0	1.1	-3.2	-7.6
01:30	3257.7	887.1	0.434	-2.18	17.7	281.9	115.6	181.6	-2.9	2.9	1.1	-2.9	-7.2
01:35	3249.7	884.9	0.468	-2.22	8.4	289.0	115.5	181.9	-2.7	2.9	1.2	-3.2	-6.6
01:36	3246.5	884.0	0.482	-2.23	4.7	291.4	115.1	181.9	-2.6	3.0	1.2	-3.2	-6.4