

Table 2-4: Local Circumstances for Florida & Georgia

Location Name	Latitude Longitude		First Contact		Second Contact		Third Contact		Fourth Contact		Maximum Eclipse		Eclip. Obs.		Umbral Depth		Umbral Durat.
			Time	P V	Time	P V	Time	P V	Time	P V	Time	P V	Mag.	Obs.	Depth		
Florida																	
Altamonte Springs	28°40' N	081°23' W	13:19:14	303 310 73	—	—	—	—	16:14:45	108 48 48	14:51:03	26 340 64 233	0.880	0.856			
Cape Coral	26°35' N	081°57' W	13:21:26	307 315 75	—	—	—	—	16:16:54	105 42 48	14:53:23	26 336 66 237	0.819	0.778			
Clearwater	27°38' N	082°48' W	13:17:06	305 319 73	—	—	—	—	16:11:32	106 45 49	14:49:15	26 341 66 231	0.843	0.808			
Coral Springs	26°18' N	080°11' W	13:25:59	306 304 76	—	—	—	—	16:20:05	106 41 46	14:57:32	26 333 64 241	0.836	0.800			
Daytona Beach	29°13' N	081°01' W	13:19:14	302 308 73	—	—	—	—	16:14:27	109 49 47	14:50:53	26 340 64 233	0.899	0.880			
Fort Lauderdale	26°07' N	080°08' W	13:26:26	306 304 76	—	—	—	—	16:20:25	106 41 46	14:57:57	26 332 64 242	0.832	0.795			
Fort Myers	26°38' N	081°51' W	13:21:34	307 315 75	—	—	—	—	16:16:59	105 42 48	14:53:30	26 336 66 237	0.821	0.781			
Fort Walton Beach	30°25' N	086°36' W	13:04:47	303 331 69	—	—	—	—	16:03:25	107 53 54	14:37:00	25 356 68 213	0.856	0.825			
Gainesville	29°40' N	082°20' W	13:15:32	302 314 72	—	—	—	—	16:11:44	109 50 49	14:47:25	26 344 65 228	0.893	0.872			
Hialeah	25°50' N	080°17' W	13:26:37	307 305 76	—	—	—	—	16:20:35	105 40 46	14:58:08	26 332 64 242	0.823	0.783			
Hollywood	26°01' N	080°09' W	13:26:35	307 304 76	—	—	—	—	16:20:32	106 41 46	14:58:05	26 332 64 242	0.830	0.791			
Jacksonville	30°20' N	081°39' W	13:16:09	300 310 71	—	—	—	—	16:11:43	110 53 48	14:47:45	26 344 64 229	0.919	0.905			
Lakeland	28°03' N	081°57' W	13:18:55	304 314 74	—	—	—	—	16:14:47	107 46 48	14:50:54	26 340 65 233	0.857	0.826			
Melbourne	28°05' N	080°37' W	13:21:56	303 306 74	—	—	—	—	16:16:48	108 46 47	14:53:36	26 337 64 236	0.876	0.850			
Miami	25°47' N	080°11' W	13:26:56	307 304 76	—	—	—	—	16:20:48	105 40 46	14:58:25	26 331 64 242	0.823	0.783			
Miami Beach	25°47' N	080°08' W	13:27:03	307 304 76	—	—	—	—	16:20:53	105 40 46	14:58:31	26 331 64 243	0.824	0.784			
Orlando	28°33' N	081°23' W	13:19:25	303 310 73	—	—	—	—	16:14:55	108 47 48	14:51:15	26 340 64 233	0.877	0.852			
Panama City	30°10' N	085°40' W	13:07:14	303 328 70	—	—	—	—	16:05:27	107 52 53	14:39:28	26 353 68 217	0.862	0.832			
Pembroke Pines	26°00' N	080°14' W	13:26:25	307 304 76	—	—	—	—	16:20:26	105 41 46	14:57:57	26 332 64 242	0.828	0.789			
Pensacola	30°25' N	087°13' W	13:03:24	304 333 68	—	—	—	—	16:20:17	106 53 55	14:35:37	25 358 69 211	0.848	0.815			
Sarasota	27°20' N	082°32' W	13:18:47	306 318 74	—	—	—	—	16:14:53	106 44 49	14:50:52	26 339 66 233	0.830	0.792			
St. Petersburg	27°47' N	082°40' W	13:17:43	305 318 74	—	—	—	—	16:14:01	106 45 49	14:49:50	26 340 66 232	0.840	0.805			
Tallahassee	30°27' N	084°17' W	13:09:59	302 322 70	—	—	—	—	16:07:23	108 53 51	14:42:02	26 350 67 221	0.887	0.865			
Tampa	27°57' N	082°27' W	13:17:56	305 317 74	—	—	—	—	16:14:08	106 45 49	14:50:01	26 340 66 232	0.847	0.814			
West Palm Beach	26°43' N	080°03' W	13:25:33	305 303 75	—	—	—	—	16:19:48	107 43 46	14:57:05	26 333 63 241	0.849	0.816			
Georgia																	
Albany	31°35' N	084°10' W	13:08:46	300 319 69	—	—	—	—	16:05:48	110 56 51	14:40:30	25 352 66 219	0.918	0.904			
Athens	33°57' N	083°23' W	13:07:53	296 311 67	—	—	—	—	16:03:05	114 62 50	14:38:31	25 355 64 216	0.989	0.991			
Atlanta	33°45' N	084°23' W	13:05:51	296 315 67	—	—	—	—	16:01:54	113 62 51	14:36:46	25 357 65 214	0.971	0.971			
Augusta	33°28' N	081°58' W	13:11:35	296 306 68	—	—	—	—	16:05:59	114 62 49	14:42:06	25 351 63 221	0.994	0.996			
Baldwin	34°30' N	083°32' W	13:07:01	295 311 66	14:36:58	186 157	14:37:48	223 194	16:01:54	114 65 50	14:37:23	25 356 64 215	1.030	1.000	0.053	00m51s	
Clayton	34°53' N	083°23' W	13:07:00	294 309 66	14:35:49	126 98	14:38:25	284 255	16:01:27	115 66 50	14:37:07	25 356 63 215	1.030	1.000	0.810	02m35s	
Cleveland	34°36' N	083°46' W	13:06:24	295 311 66	14:36:26	190 162	14:37:05	219 191	16:01:23	114 65 50	14:36:46	25 357 64 214	1.030	1.000	0.031	00m39s	
Columbia	32°28' N	084°59' W	13:05:53	299 320 68	—	—	—	—	16:03:04	111 59 52	14:37:22	25 356 66 214	0.931	0.920			
Cornelia	34°31' N	083°32' W	13:07:00	295 310 66	14:36:50	182 153	14:37:53	228 199	16:01:53	114 65 50	14:37:22	25 356 64 215	1.030	1.000	0.080	01m02s	
East Point	33°41' N	084°27' W	13:05:46	297 315 67	—	—	—	—	16:01:55	112 62 51	14:36:43	25 357 65 214	0.969	0.968			
Hartwell	34°21' N	082°56' W	13:08:30	295 309 67	14:37:53	160 130	14:39:44	250 219	16:03:03	114 64 50	14:38:49	25 354 63 217	1.030	1.000	0.290	01m51s	
Lavonia	34°26' N	083°06' W	13:08:03	295 309 67	14:37:25	160 130	14:39:17	250 219	16:02:40	114 64 50	14:38:21	25 355 63 216	1.030	1.000	0.292	01m52s	
Macon	32°51' N	083°38' W	13:08:29	297 314 68	—	—	—	—	16:04:34	112 60 50	14:39:40	25 353 65 218	0.958	0.954			
Marietta	33°57' N	084°33' W	13:05:17	296 315 66	—	—	—	—	16:01:18	113 63 51	14:36:07	25 357 65 213	0.974	0.974			
Peachtree City	33°24' N	084°34' W	13:05:48	297 317 67	—	—	—	—	16:02:12	112 61 51	14:36:54	25 356 65 214	0.960	0.957			
Rome	34°15' N	085°10' W	13:03:37	296 317 66	—	—	—	—	15:59:50	113 63 52	14:34:24	25 359 65 210	0.974	0.975			
Roswell	34°02' N	084°22' W	13:05:37	296 314 66	—	—	—	—	16:01:27	113 63 51	14:36:23	25 357 64 213	0.979	0.980			
Royston	34°17' N	083°07' W	13:08:09	295 309 67	14:38:14	191 161	14:38:52	219 188	16:02:54	114 64 50	14:38:33	25 355 63 216	1.030	1.000	0.030	00m38s	
Savannah	32°05' N	081°06' W	13:15:08	297 305 70	—	—	—	—	16:09:37	113 58 48	14:46:01	25 346 63 226	0.971	0.970			
Smyrna	33°53' N	084°31' W	13:05:25	296 315 67	—	—	—	—	16:01:28	113 63 51	14:36:17	25 357 65 213	0.973	0.973			
Toccoa	34°35' N	083°19' W	13:07:25	294 310 66	14:36:40	154 125	14:38:43	255 226	16:02:05	114 65 50	14:37:42	25 356 63 215	1.030	1.000	0.366	02m03s	
Valdosta	30°50' N	083°17' W	13:11:45	301 316 70	—	—	—	—	16:08:24	110 54 50	14:43:33	26 348 65 223	0.910	0.894			
Warner Robins	32°37' N	083°36' W	13:08:50	298 314 68	—	—	—	—	16:05:01	112 59 50	14:40:06	25 353 65 218	0.952	0.947			