

TABLE 2.5

LOCAL CIRCUMSTANCES ON THE CENTRAL LINE
ANNULAR SOLAR ECLIPSE OF 2010 JANUARY 15

$\Delta T = 66.0$ s

Central Line Maximum Eclipse			First Contact				Second Contact			Third Contact			Fourth Contact			
U.T.	Durat.	Alt	U.T.	P	V	Alt	U.T.	P	V	U.T.	P	V	U.T.	P	V	Alt
05:18	07m09.5s	1	-	-	-	-	-	-	-	05:21:10	84	167	06:37:27	83	158	18
05:20	07m41.3s	11	-	-	-	-	05:16:10	264	346	05:23:51	83	165	06:50:06	82	154	32
05:25	08m09.8s	19	04:05:54	264	352	1	05:20:56	262	344	05:29:06	82	163	07:04:02	80	148	42
05:30	08m31.7s	25	04:06:42	263	351	6	05:25:45	261	342	05:34:17	81	161	07:15:34	78	142	49
05:35	08m50.8s	30	04:08:00	262	350	10	05:30:35	260	340	05:39:26	80	158	07:25:55	76	136	54
05:40	09m08.1s	34	04:09:37	262	349	13	05:35:27	259	337	05:44:35	79	156	07:35:23	74	129	59
05:45	09m24.0s	37	04:11:26	261	347	16	05:40:19	258	335	05:49:43	78	153	07:44:08	73	122	62
05:50	09m38.7s	41	04:13:25	260	346	19	05:45:12	257	332	05:54:50	77	150	07:52:15	71	114	66
05:55	09m52.3s	44	04:15:31	260	344	21	05:50:05	256	329	05:59:57	75	147	07:59:47	69	104	68
06:00	10m04.9s	47	04:17:45	259	343	23	05:54:59	255	326	06:05:03	74	144	08:06:47	68	94	70
06:05	10m16.4s	49	04:20:05	258	341	25	05:59:53	254	323	06:10:09	73	141	08:13:19	66	83	71
06:10	10m26.9s	52	04:22:31	257	339	27	06:04:47	252	320	06:15:14	72	137	08:19:26	65	72	71
06:15	10m36.3s	54	04:25:03	256	337	29	06:09:43	251	316	06:20:19	71	133	08:25:10	64	62	71
06:20	10m44.5s	56	04:27:41	256	335	31	06:14:38	250	312	06:25:23	69	129	08:30:34	63	52	71
06:25	10m51.7s	58	04:30:26	255	333	33	06:19:35	249	308	06:30:26	68	124	08:35:40	62	44	70
06:30	10m57.7s	60	04:33:18	254	331	35	06:24:32	248	303	06:35:29	67	119	08:40:30	61	36	69
06:35	11m02.5s	61	04:36:16	253	328	36	06:29:29	247	298	06:40:32	66	114	08:45:06	60	30	68
06:40	11m06.2s	63	04:39:22	252	326	38	06:34:27	245	293	06:45:33	65	108	08:49:29	59	24	66
06:45	11m08.8s	64	04:42:36	251	323	40	06:39:26	244	287	06:50:34	64	102	08:53:42	58	20	65
06:50	11m10.3s	65	04:45:59	250	321	41	06:44:25	243	281	06:55:35	63	95	08:57:44	58	16	63
06:55	11m10.8s	66	04:49:31	249	318	43	06:49:25	242	275	07:00:35	62	88	09:01:39	57	12	61
07:00	11m10.1s	66	04:53:13	248	315	44	06:54:25	241	268	07:05:35	61	82	09:05:26	56	9	59
07:05	11m08.5s	66	04:57:06	247	312	46	06:59:25	240	262	07:10:34	60	75	09:09:06	56	7	58
07:10	11m06.0s	66	05:01:09	246	308	47	07:04:27	240	255	07:15:32	59	68	09:12:40	56	5	56
07:15	11m02.5s	66	05:05:25	245	304	48	07:09:28	239	248	07:20:31	58	61	09:16:08	55	3	54
07:20	10m58.2s	65	05:09:54	244	301	50	07:14:30	238	242	07:25:28	58	55	09:19:32	55	2	52
07:25	10m53.2s	65	05:14:36	243	297	51	07:19:33	237	236	07:30:26	57	49	09:22:51	55	0	50
07:30	10m47.4s	63	05:19:32	242	292	52	07:24:36	237	230	07:35:23	56	43	09:26:07	55	359	48
07:35	10m40.9s	62	05:24:44	242	287	53	07:29:39	236	224	07:40:20	56	39	09:29:18	54	358	46
07:40	10m33.8s	61	05:30:11	241	282	54	07:34:42	236	219	07:45:16	56	34	09:32:26	54	358	44
07:45	10m26.1s	59	05:35:53	240	277	55	07:39:46	235	215	07:50:12	55	30	09:35:31	54	357	42
07:50	10m17.8s	57	05:41:53	239	272	55	07:44:50	235	211	07:55:08	55	27	09:38:32	54	357	40
07:55	10m09.1s	55	05:48:09	238	266	56	07:49:55	235	208	08:00:04	55	24	09:41:30	55	356	38
08:00	09m59.9s	53	05:54:43	238	260	56	07:54:59	235	204	08:04:59	55	21	09:44:25	55	356	35
08:05	09m50.2s	51	06:01:34	237	253	56	08:00:04	235	202	08:09:54	55	18	09:47:16	55	356	33
08:10	09m40.1s	48	06:08:42	237	247	55	08:05:09	235	199	08:14:49	55	16	09:50:03	55	356	31
08:15	09m29.5s	45	06:16:09	236	241	54	08:10:14	235	197	08:19:44	55	15	09:52:46	56	356	28
08:20	09m18.4s	43	06:23:53	236	234	53	08:15:20	235	195	08:24:38	55	13	09:55:25	56	357	25
08:25	09m06.7s	39	06:31:57	236	228	51	08:20:26	235	194	08:29:33	55	12	09:57:57	57	357	23
08:30	08m54.5s	36	06:40:21	236	223	49	08:25:32	236	193	08:34:27	56	11	10:00:22	57	358	19
08:35	08m41.4s	32	06:49:08	236	218	46	08:30:39	236	192	08:39:20	56	10	10:02:38	58	359	16
08:40	08m27.3s	28	06:58:22	237	213	42	08:35:46	237	191	08:44:13	57	10	10:04:41	59	360	12
08:45	08m11.5s	23	07:08:14	237	208	37	08:40:54	238	191	08:49:05	58	10	10:06:23	60	1	8
08:50	07m52.7s	17	07:19:10	238	205	31	08:46:03	239	191	08:53:56	60	10	10:07:25	61	3	2
08:55	07m21.4s	5	07:34:09	241	201	18	08:51:19	242	192	08:58:40	62	12	-	-	-	-