

Project: stair lighting**EE181, Time switch, 2 channel, astronomical**

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 Comment:

Astro Data:
 Country: United Kingdom
 City: Edinburgh
 Longitude: 3 West
 Latitude: 56 North
 Timezone: GMT
 Rise Delay: 0
 Set Delay: 0

	January		February		March	
	Rise	Set	Rise	Set	Rise	Set
1	08:43	15:47	08:08	16:42	07:03	17:44
2	08:43	15:48	08:06	16:44	07:01	17:46
3	08:41	15:51	08:03	16:47	06:58	17:48
4	08:40	15:53	08:01	16:49	06:56	17:50
5	08:40	15:54	07:59	16:51	06:54	17:52
6	08:39	15:56	07:57	16:53	06:51	17:54
7	08:38	15:57	07:54	16:56	06:48	17:57
8	08:38	15:58	07:52	16:58	06:46	17:59
9	08:37	16:00	07:50	17:00	06:43	18:01
10	08:35	16:03	07:48	17:02	06:40	18:03
11	08:34	16:04	07:46	17:04	06:38	18:05
12	08:34	16:06	07:43	17:07	06:35	18:07
13	08:33	16:07	07:41	17:09	06:33	18:09
14	08:32	16:08	07:39	17:11	06:30	18:11
15	08:32	16:10	07:38	17:13	06:27	18:13
16	08:31	16:11	07:36	17:15	06:25	18:15
17	08:30	16:13	07:33	17:17	06:22	18:17
18	08:28	16:16	07:31	17:20	06:20	18:20
19	08:27	16:17	07:29	17:21	06:17	18:21
20	08:26	16:19	07:26	17:24	06:15	18:23
21	08:24	16:21	07:24	17:26	06:12	18:25
22	08:22	16:24	07:22	17:28	06:09	18:27
23	08:21	16:25	07:19	17:30	06:07	18:29
24	08:19	16:27	07:17	17:32	06:04	18:31
25	08:17	16:29	07:14	17:34	06:02	18:33
26	08:16	16:31	07:12	17:36	05:59	18:35
27	08:15	16:33	07:10	17:38	06:57	19:37
28	08:12	16:35	07:08	17:40	06:54	19:39
29	08:11	16:37	07:05	17:42	06:51	19:41
30	08:10	16:39			06:48	19:44
31	08:09	16:40			06:46	19:46

	April		May		June	
	Rise	Set	Rise	Set	Rise	Set
1	06:43	19:48	05:28	20:49	04:34	21:45
2	06:41	19:50	05:26	20:51	04:33	21:46
3	06:38	19:52	05:23	20:54	04:32	21:47
4	06:35	19:54	05:21	20:56	04:32	21:48
5	06:33	19:56	05:18	20:58	04:31	21:49
6	06:30	19:58	05:16	21:01	04:30	21:50
7	06:28	20:00	05:13	21:03	04:29	21:51
8	06:25	20:02	05:11	21:05	04:28	21:53
9	06:23	20:04	05:09	21:07	04:26	21:55
10	06:20	20:06	05:08	21:08	04:26	21:55
11	06:17	20:08	05:06	21:10	04:26	21:56
12	06:15	20:10	05:03	21:13	04:26	21:56
13	06:13	20:12	05:02	21:14	04:26	21:57
14	06:10	20:14	05:00	21:16	04:26	21:57
15	06:08	20:16	04:59	21:17	04:26	21:58
16	06:05	20:18	04:57	21:19	04:26	21:58
17	06:02	20:20	04:55	21:21	04:26	21:59
18	06:00	20:22	04:53	21:24	04:26	21:59
19	05:57	20:24	04:51	21:25	04:26	22:00
20	05:54	20:27	04:50	21:27	04:26	22:00
21	05:52	20:28	04:48	21:29	04:25	22:01
22	05:50	20:31	04:46	21:30	04:26	22:01
23	05:47	20:33	04:45	21:32	04:26	22:02
24	05:45	20:35	04:42	21:35	04:26	22:02
25	05:42	20:37	04:41	21:36	04:25	22:03
26	05:40	20:39	04:40	21:37	04:26	22:02
27	05:38	20:41	04:39	21:38	04:27	22:01
28	05:35	20:43	04:39	21:39	04:28	22:01
29	05:33	20:45	04:38	21:40	04:29	22:00
30	05:30	20:48	04:37	21:41	04:30	22:00
31			04:35	21:44		

	July		August		September	
	Rise	Set	Rise	Set	Rise	Set
1	04:31	21:59	05:17	21:18	06:15	20:08
2	04:33	21:57	05:18	21:16	06:17	20:05
3	04:34	21:57	05:20	21:15	06:19	20:03
4	04:35	21:56	05:22	21:13	06:21	20:00
5	04:36	21:56	05:24	21:10	06:23	19:57
6	04:36	21:56	05:26	21:08	06:25	19:55
7	04:38	21:55	05:27	21:07	06:27	19:52
8	04:38	21:55	05:29	21:05	06:29	19:49
9	04:39	21:54	05:30	21:03	06:31	19:47
10	04:40	21:54	05:33	21:01	06:33	19:44
11	04:41	21:53	05:34	20:59	06:35	19:42
12	04:42	21:52	05:36	20:57	06:37	19:39
13	04:45	21:49	05:38	20:55	06:38	19:37
14	04:47	21:48	05:40	20:52	06:40	19:34
15	04:48	21:47	05:41	20:50	06:43	19:31
16	04:49	21:45	05:44	20:47	06:45	19:29
17	04:51	21:44	05:46	20:45	06:47	19:26
18	04:52	21:43	05:48	20:43	06:48	19:23
19	04:55	21:40	05:50	20:40	06:50	19:21
20	04:56	21:39	05:52	20:38	06:52	19:18
21	04:58	21:37	05:54	20:35	06:54	19:15
22	04:59	21:36	05:56	20:33	06:56	19:13
23	05:01	21:35	05:58	20:30	06:58	19:10
24	05:02	21:33	06:00	20:28	07:00	19:08
25	05:05	21:31	06:01	20:26	07:02	19:05
26	05:06	21:30	06:03	20:23	07:04	19:02
27	05:07	21:28	06:05	20:21	07:06	19:00
28	05:09	21:27	06:07	20:18	07:08	18:57
29	05:11	21:25	06:10	20:16	07:09	18:55
30	05:12	21:23	06:11	20:13	07:12	18:52
31	05:15	21:20	06:13	20:11		

October		November		December		
Rise	Set	Rise	Set	Rise	Set	
1	07:14	18:49	07:20	16:31	08:20	15:42
2	07:16	18:46	07:22	16:29	08:21	15:41
3	07:18	18:44	07:24	16:27	08:23	15:41
4	07:20	18:41	07:25	16:26	08:24	15:41
5	07:22	18:38	07:28	16:23	08:24	15:41
6	07:25	18:35	07:30	16:22	08:26	15:40
7	07:27	18:33	07:31	16:20	08:27	15:40
8	07:29	18:30	07:33	16:18	08:28	15:40
9	07:31	18:27	07:35	16:17	08:29	15:40
10	07:33	18:24	07:38	16:14	08:30	15:40
11	07:35	18:22	07:40	16:13	08:33	15:38
12	07:38	18:19	07:41	16:11	08:34	15:38
13	07:40	18:16	07:43	16:09	08:34	15:38
14	07:42	18:13	07:46	16:06	08:36	15:37
15	07:44	18:11	07:48	16:05	08:37	15:37
16	07:46	18:08	07:50	16:03	08:38	15:37
17	07:48	18:06	07:52	16:02	08:39	15:37
18	07:50	18:04	07:53	16:01	08:40	15:37
19	07:52	18:01	07:55	16:00	08:40	15:38
20	07:55	17:59	07:58	15:57	08:40	15:38
21	07:56	17:57	07:59	15:56	08:41	15:39
22	07:59	17:54	08:01	15:55	08:41	15:40
23	08:01	17:52	08:03	15:54	08:41	15:41
24	08:03	17:50	08:05	15:53	08:41	15:42
25	08:05	17:47	08:07	15:52	08:41	15:42
26	08:07	17:45	08:09	15:49	08:42	15:43
27	08:09	17:42	08:11	15:48	08:42	15:44
28	08:11	17:40	08:13	15:47	08:42	15:44
29	08:13	17:38	08:15	15:46	08:42	15:45
30	07:16	16:35	08:17	15:45	08:42	15:46
31	07:18	16:33			08:43	15:47