

**GEN 2.7 SUNRISE/SUNSET**

The data given below are calculated for Tirana aerodrome and Kukes aerodrome.

The times in the tables are given in UTC for the beginning of morning civil twilight (TWIL From), sunrise (SR), sunset (SS), and the end of evening civil twilight (TWIL To).

The times given for the beginning of morning civil twilight and end of evening civil twilight are calculated for an altitude of the Sun 6 degrees below the horizon, as commonly used.

Date	TIRANA LATI 412453N 0194314E											
	JAN				FEB				MAR			
	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To
1	5:36	6:07	15:22	15:53	5:23	5:52	15:57	16:26	4:48	5:16	16:31	16:59
2	5:36	6:07	15:23	15:54	5:22	5:51	15:58	16:27	4:46	5:14	16:32	17:00
3	5:36	6:07	15:24	15:55	5:21	5:50	15:59	16:28	4:45	5:13	16:34	17:01
4	5:36	6:07	15:25	15:56	5:20	5:49	16:01	16:30	4:43	5:11	16:35	17:02
5	5:36	6:07	15:26	15:57	5:19	5:48	16:02	16:31	4:42	5:09	16:36	17:04
6	5:36	6:07	15:27	15:58	5:18	5:47	16:03	16:32	4:40	5:08	16:37	17:05
7	5:36	6:07	15:28	15:58	5:17	5:46	16:04	16:33	4:39	5:06	16:38	17:06
8	5:36	6:07	15:29	15:59	5:16	5:45	16:06	16:34	4:37	5:05	16:39	17:07
9	5:36	6:06	15:30	16:00	5:15	5:44	16:07	16:36	4:35	5:03	16:40	17:08
10	5:36	6:06	15:31	16:01	5:14	5:42	16:08	16:37	4:34	5:01	16:42	17:09
11	5:35	6:06	15:32	16:02	5:13	5:41	16:09	16:38	4:32	5:00	16:43	17:10
12	5:35	6:06	15:33	16:03	5:11	5:40	16:11	16:39	4:31	4:58	16:44	17:11
13	5:35	6:05	15:34	16:04	5:10	5:39	16:12	16:40	4:29	4:56	16:45	17:12
14	5:34	6:05	15:35	16:06	5:09	5:37	16:13	16:42	4:27	4:55	16:46	17:14
15	5:34	6:05	15:36	16:07	5:08	5:36	16:14	16:43	4:26	4:53	16:47	17:15
16	5:34	6:04	15:37	16:08	5:06	5:35	16:16	16:44	4:24	4:51	16:48	17:16
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19	5:32	6:03	15:41	16:11	5:02	5:31	16:19	16:47	4:19	4:46	16:52	17:19
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22	5:31	6:01	15:44	16:14	4:58	5:26	16:23	16:51	4:14	4:41	16:55	17:22
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25	5:29	5:59	15:48	16:18	4:54	5:22	16:26	16:54	4:09	4:36	16:58	17:26
26	5:28	5:58	15:49	16:19	4:52	5:20	16:28	16:56	16:07	4:34	16:59	17:27
27	5:27	5:57	15:51	16:20	4:51	5:19	16:29	16:57	4:05	4:33	17:00	17:28
28	5:27	5:56	15:52	16:21	4:49	5:17	16:30	16:58	4:03	4:31	17:01	17:29
29	5:26	5:55	15:53	16:23					4:02	4:29	17:02	17:30
30	5:25	5:54	15:54	16:24					4:00	4:28	17:03	17:31
31	5:24	5:53	15:56	16:25					3:58	4:26	17:05	17:32

Date	TIRANA LATI 412453N 0194314E											
	APR				MAY				JUN			
	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To
1	3:57	4:24	17:06	17:34	3:09	3:39	17:38	18:08	2:37	3:10	18:08	18:41
2	3:55	4:23	17:07	17:35	3:07	3:37	17:39	18:09	2:36	3:10	18:08	18:42
3	3:53	4:21	17:08	17:36	3:06	3:36	17:40	18:10	2:36	3:09	18:09	18:42
4	3:51	4:19	17:09	17:37	3:04	3:35	17:41	18:12	2:36	3:09	18:10	18:43
5	3:50	4:18	17:10	17:38	3:03	3:33	17:42	18:13	2:35	3:08	18:10	18:44
6	3:48	4:16	17:11	17:39	3:02	3:32	17:43	18:14	2:35	3:08	18:11	18:45
7	3:46	4:15	17:12	17:40	3:00	3:31	17:44	18:15	2:34	3:08	18:12	18:45
8	3:45	4:13	17:13	17:41	2:59	3:30	17:45	18:16	2:34	3:08	18:12	18:46
9	3:43	4:11	17:14	17:43	2:58	3:29	17:46	18:17	2:34	3:07	18:13	18:46
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12	3:38	4:06	17:17	17:46	2:54	3:25	17:49	18:21	2:33	3:07	18:14	18:48
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15	3:33	4:02	17:21	17:49	2:51	3:22	17:52	18:24	2:33	3:07	18:16	18:50
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23	3:20	3:50	17:29	17:59	2:43	3:15	18:00	18:32	2:34	3:08	18:18	18:52
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26	3:16	3:45	17:33	18:02	2:41	3:13	18:03	18:35	2:35	3:09	18:18	18:52
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31					2:38	3:11	18:07	18:40				

Date	TIRANA LATI 412453N 0194314E											
	JUL				AUG				SEP			
	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To
1	2:37	3:11	18:18	18:52	3:05	3:36	17:58	18:29	3:38	4:07	17:14	17:42
2	2:38	3:12	18:18	18:51	3:06	3:37	17:57	18:28	3:40	4:08	17:12	17:41
3	2:39	3:12	18:18	18:51	3:07	3:38	17:56	18:27	3:41	4:09	17:11	17:39
4	2:39	3:13	18:17	18:51	3:08	3:39	17:55	18:25	3:42	4:10	17:09	17:37
5	2:40	3:13	18:17	18:51	3:09	3:40	17:53	18:24	3:43	4:11	17:07	17:36
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Date	TIRANA LATI 412453N 0194314E											
	OCT				NOV				DEC			
	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To
1	4:10	4:37	16:23	16:51	4:43	5:12	15:36	16:05	5:16	5:47	15:12	15:43
2	4:11	4:38	16:21	16:49	4:44	5:13	15:35	16:04	5:17	5:48	15:12	15:43
3	4:12	4:39	16:20	16:47	4:45	5:14	15:34	16:03	5:18	5:49	15:12	15:43
4	4:13	4:40	16:18	16:46	4:47	5:16	15:33	16:02	5:19	5:50	15:12	15:43
5	4:14	4:41	16:16	16:44	4:48	5:17	15:32	16:01	5:20	5:51	15:12	15:42
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31	4:42	5:11	15:38	16:06					5:36	6:07	15:21	15:52

Date	KUKES LAKU 420208N 0202457E											
	JAN				FEB				MAR			
	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To	TWIL From	SR	SS	TWIL To
1	5:35	6:06	15:17	15:49	5:21	5:51	15:53	16:22	4:45	5:13	16:28	16:56
2	5:35	6:06	15:18	15:49	5:20	5:50	15:54	16:23	4:43	5:11	16:29	16:57
3	5:35	6:06	15:19	15:50	5:19	5:49	15:55	16:25	4:42	5:10	16:30	16:58
4	5:35	6:06	15:20	15:51	5:18	5:47	15:56	16:26	4:40	5:08	16:32	17:00
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31	5:22	5:52	15:51	16:21					3:54	4:22	17:02	17:31

Date	KUKES LAKU 420208N 0202457E											
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3	3:49	4:17	17:06	17:34	3:00	3:31	17:39	18:10	2:30	3:04	18:09	18:43
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Date	KUKES LAKU 420208N 0202457E											
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Date	KUKES LAKU 420208N 0202457E											
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