



EVENT TIME TABLES

27.09.2023

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Disclaimer: These are computer generated tables. They focus on times of rising and setting events and are rounded to the second (not primarily intended for navigation). Meridian Passage times of the sun, moon and four planets are included. The author claims no liability for any consequences arising from use of these tables.

27 September 2023							
Lat.	Twilight		Sunrise	Sunset	Twilight		Moonrise
	Naut.	Civil			Civil	Naut.	
N 72°	03:25:56	04:51:46	05:59:25	17:40:24	18:47:31	20:12:06	18:54:54
N 70°	03:41:37	04:57:25	05:58:25	17:41:39	18:42:13	19:57:08	18:38:14
68°	03:53:51	05:01:59	05:57:34	17:42:41	18:37:57	19:45:24	18:24:48
66°	04:03:42	05:05:43	05:56:51	17:43:34	18:34:26	19:35:55	18:13:41
64°	04:11:48	05:08:50	05:56:14	17:44:20	18:31:31	19:28:07	18:04:17
62°	04:18:35	05:11:28	05:55:41	17:45:01	18:29:03	19:21:35	17:56:13
60°	04:24:19	05:13:42	05:55:12	17:45:37	18:26:57	19:16:03	17:49:11
N 58°	04:29:14	05:15:38	05:54:46	17:46:09	18:25:08	19:11:18	17:42:58
56°	04:33:29	05:17:17	05:54:22	17:46:38	18:23:35	19:07:11	17:37:26
54°	04:37:12	05:18:44	05:54:00	17:47:05	18:22:14	19:03:36	17:32:27
52°	04:40:27	05:20:01	05:53:39	17:47:30	18:21:03	19:00:28	17:27:57
50°	04:43:18	05:21:07	05:53:20	17:47:53	18:20:01	18:57:42	17:23:49
45°	04:49:07	05:23:21	05:52:38	17:48:45	18:17:57	18:52:05	17:14:52
N 40°	04:53:28	05:24:59	05:52:00	17:49:30	18:16:27	18:47:54	17:07:22
35°	04:56:45	05:26:10	05:51:25	17:50:11	18:15:24	18:44:45	17:00:53
30°	04:59:13	05:27:00	05:50:53	17:50:49	18:14:40	18:42:24	16:55:09
20°	05:02:19	05:27:52	05:49:52	17:52:00	18:13:59	18:39:31	16:45:11
N 10°	05:03:31	05:27:53	05:48:52	17:53:08	18:14:07	18:38:29	16:36:24
0°	05:03:10	05:27:10	05:47:50	17:54:18	18:14:59	18:38:59	16:28:07
S 10°	05:01:18	05:25:42	05:46:42	17:55:35	18:16:35	18:41:00	16:19:47
20°	04:57:45	05:23:22	05:45:23	17:57:03	18:19:05	18:44:44	16:10:53
30°	04:51:58	05:19:52	05:43:46	17:58:50	18:22:46	18:50:44	16:00:40
35°	04:47:55	05:17:30	05:42:47	17:59:55	18:25:15	18:54:54	15:54:44
40°	04:42:50	05:14:36	05:41:39	18:01:10	18:28:17	19:00:07	15:47:58
45°	04:36:22	05:10:58	05:40:18	18:02:39	18:32:04	19:06:47	15:40:03
S 50°	04:27:59	05:06:19	05:38:39	18:04:27	18:36:53	19:15:24	15:30:29
52°	04:23:54	05:04:06	05:37:53	18:05:18	18:39:12	19:19:35	15:26:02
54°	04:19:18	05:01:37	05:37:02	18:06:14	18:41:47	19:24:19	15:21:07
56°	04:14:05	04:58:49	05:36:05	18:07:16	18:44:41	19:29:41	15:15:39
58°	04:08:07	04:55:39	05:35:02	18:08:25	18:47:59	19:35:49	15:09:31
S 60°	04:01:13	04:52:02	05:33:51	18:09:43	18:51:44	19:42:56	15:02:33

Sep 27	SHA	Mer.pass
Venus	217°59.2	09:05:30
Mars	161°31.7	12:50:59
Jupiter	317°17.4	02:28:17
Saturn	25°38.3	21:51:32

Day	Sun			Moon		
	Eqn.of Time	Mer.	Mer.Pass.	Mer.Pass.		Age
	00 ^h	12 ^h		Upper	Lower	
	mm:ss	mm:ss	hh:mm:ss	hh:mm:ss	hh:mm:ss	
27	08:45	08:56	11:51:04	22:40:33	10:14:04	12(91%)