

**TIME OF LOCAL APPARENT NOON (L.A.N.) 2018
FOR THE CENTRAL MERIDIAN OF ANY TIME ZONE**

	JAN. h:m:s	FEB. h:m:s	MAR. h:m:s	APR. h:m:s	MAY h:m:s	JUN. h:m:s		JUL. h:m:s	AUG. h:m:s	SEP. h:m:s	OCT. h:m:s	NOV. h:m:s	DEC. h:m:s
1	12:03:40	12:13:35	12:12:17	12:03:48	11:57:04	11:57:51		12:03:54	12:06:19	11:59:56	11:49:35	11:43:34	11:49:04
2	12:04:08	12:13:43	12:12:05	12:03:31	11:56:57	11:58:01		12:04:05	12:06:15	11:59:37	11:49:16	11:43:33	11:49:27
3	12:04:35	12:13:49	12:11:52	12:03:13	11:56:51	11:58:10		12:04:16	12:06:10	11:59:17	11:48:57	11:43:33	11:49:51
4	12:05:02	12:13:55	12:11:39	12:02:55	11:56:45	11:58:21		12:04:27	12:06:05	11:58:57	11:48:39	11:43:34	11:50:15
5	12:05:29	12:13:59	12:11:26	12:02:38	11:56:40	11:58:31		12:04:37	12:05:59	11:58:37	11:48:21	11:43:35	11:50:40
6	12:05:55	12:14:03	12:11:12	12:02:21	11:56:35	11:58:42		12:04:48	12:05:52	11:58:17	11:48:03	11:43:38	11:51:05
7	12:06:21	12:14:07	12:10:58	12:02:04	11:56:31	11:58:53		12:04:57	12:05:45	11:57:57	11:47:46	11:43:41	11:51:31
8	12:06:47	12:14:09	12:10:43	12:01:47	11:56:28	11:59:05		12:05:07	12:05:37	11:57:36	11:47:29	11:43:45	11:51:57
9	12:07:12	12:14:11	12:10:28	12:01:31	11:56:25	11:59:17		12:05:16	12:05:29	11:57:16	11:47:13	11:43:50	11:52:24
10	12:07:36	12:14:12	12:10:12	12:01:15	11:56:23	11:59:29		12:05:24	12:05:20	11:56:55	11:46:57	11:43:56	11:52:51
11	12:08:00	12:14:12	12:09:57	12:00:59	11:56:21	11:59:41		12:05:32	12:05:11	11:56:34	11:46:41	11:44:02	11:53:19
12	12:08:23	12:14:12	12:09:41	12:00:44	11:56:20	11:59:53		12:05:40	12:05:01	11:56:13	11:46:26	11:44:10	11:53:47
13	12:08:45	12:14:10	12:09:25	12:00:29	11:56:20	12:00:06		12:05:47	12:04:50	11:55:51	11:46:12	11:44:18	11:54:15
14	12:09:07	12:14:08	12:09:08	12:00:14	11:56:20	12:00:19		12:05:54	12:04:39	11:55:30	11:45:58	11:44:27	11:54:44
15	12:09:29	12:14:06	12:08:51	11:59:59	11:56:21	12:00:32		12:06:00	12:04:27	11:55:09	11:45:44	11:44:37	11:55:13
16	12:09:49	12:14:02	12:08:35	11:59:45	11:56:22	12:00:45		12:06:06	12:04:15	11:54:47	11:45:31	11:44:48	11:55:42
17	12:10:09	12:13:58	12:08:17	11:59:31	11:56:24	12:00:58		12:06:11	12:04:02	11:54:26	11:45:19	11:45:00	11:56:11
18	12:10:28	12:13:53	12:08:00	11:59:18	11:56:26	12:01:11		12:06:16	12:03:49	11:54:04	11:45:07	11:45:12	11:56:40
19	12:10:47	12:13:48	12:07:43	11:59:05	11:56:29	12:01:24		12:06:20	12:03:35	11:53:43	11:44:56	11:45:25	11:57:10
20	12:11:05	12:13:41	12:07:25	11:58:52	11:56:32	12:01:37		12:06:24	12:03:21	11:53:22	11:44:46	11:45:39	11:57:40
21	12:11:22	12:13:34	12:07:07	11:58:40	11:56:36	12:01:50		12:06:26	12:03:06	11:53:00	11:44:36	11:45:54	11:58:09
22	12:11:38	12:13:27	12:06:49	11:58:28	11:56:41	12:02:03		12:06:29	12:02:51	11:52:39	11:44:26	11:46:10	11:58:39
23	12:11:53	12:13:19	12:06:31	11:58:17	11:56:46	12:02:16		12:06:31	12:02:35	11:52:18	11:44:18	11:46:26	11:59:09
24	12:12:08	12:13:10	12:06:13	11:58:06	11:56:51	12:02:29		12:06:32	12:02:19	11:51:57	11:44:10	11:46:43	11:59:38
25	12:12:22	12:13:00	12:05:55	11:57:56	11:56:57	12:02:41		12:06:32	12:02:02	11:51:36	11:44:03	11:47:01	12:00:08
26	12:12:35	12:12:50	12:05:37	11:57:46	11:57:03	12:02:54		12:06:32	12:01:45	11:51:15	11:43:56	11:47:20	12:00:38
27	12:12:47	12:12:40	12:05:19	11:57:37	11:57:10	12:03:06		12:06:32	12:01:28	11:50:55	11:43:51	11:47:39	12:01:07
28	12:12:58	12:12:29	12:05:01	11:57:28	11:57:18	12:03:19		12:06:30	12:01:10	11:50:35	11:43:46	11:48:00	12:01:37
29	12:13:09		12:04:42	11:57:19	11:57:25	12:03:31		12:06:28	12:00:52	11:50:15	11:43:42	11:48:20	12:02:06
30	12:13:18		12:04:24	11:57:11	11:57:34	12:03:42		12:06:26	12:00:34	11:49:55	11:43:38	11:48:42	12:02:35
31	12:13:27		12:04:06		11:57:42			12:06:23	12:00:15		11:43:36		12:03:04

Explanatory Notes: The noon sight and the Sun's Declination (p. 233) result in the vessel's parallel of latitude. It is taken at the time of the sun's meridian passage, when the sun is at maximum altitude. The moment of meridian passage is called Local Apparent Noon (L.A.N.), and only rarely is it the same time as noon Standard Time or Local Mean Time. Instead, as this Table shows, the sun is either ahead of or behind its theoretical schedule.

Two corrections are involved. 1) To correct for your difference in longitude from the central meridian of your time zone (i.e. 75° for U.S. Atlantic Coast), either a) add 4 minutes of time for each degree West or b) subtract 4 minutes of time for each degree East. 2) If necessary, convert from Daylight Savings Time to Standard Time by subtracting 1 hour from your watch. Thus for Boston, at 71° West longitude (or 4° East of 75°), L.A.N. occurs 16 minutes before the times listed in the Table.

For New York, at 74° West (1° East of 75°), L.A.N. occurs 4 minutes earlier than times shown.

Converting arc to time:
 360° = 24 hours
 15° = 1 hour
 1° = 4 minutes
 15' = 1 minute
 1' = 4 seconds