



# NOAA Global Monitoring Laboratory

Global Radiation Group

<https://gml.noaa.gov/grad/solcalc>

## Sunrise Table for 2024

**Location: Latitude 32.71574 Longitude -117.16108**

**Time Zone Offset: America/Los\_Angeles -8.0**

All times are in local time. Cells with light green color indicate when daylight saving time is in effect.

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



## Sunset Table for 2024

**Location: Latitude 32.71574 Longitude -117.16108**

**Time Zone Offset: America/Los\_Angeles -8.0**

All times are in local time. Cells with light green color indicate when daylight saving time is in effect.

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



## Solar Noon Table for 2024

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