



## NOAA Global Monitoring Laboratory

Global Radiation Group

<https://gml.noaa.gov/grad/solcalc>**Sunrise Table for 2021****Location: Latitude 68.66977 Longitude -149.14284****Time Zone Offset: America/Anchorage -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	00:00	10:19	08:16	07:01	04:43	00:00	00:00	04:02	06:21	08:12	10:16	12:10
2	00:00	10:15	08:11	06:57	04:38	00:00	00:00	04:08	06:25	08:16	10:20	12:25
3	00:00	10:10	08:07	06:53	04:33	00:00	00:00	04:13	06:29	08:20	10:25	00:00
4	00:00	10:06	08:03	06:48	04:28	00:00	00:00	04:18	06:33	08:23	10:30	00:00
5	00:00	10:01	07:59	06:44	04:22	00:00	00:00	04:24	06:37	08:27	10:34	00:00
6	00:00	09:57	07:54	06:39	04:17	00:00	00:00	04:29	06:40	08:31	10:39	00:00
7	00:00	09:52	07:50	06:35	04:12	00:00	00:00	04:34	06:44	08:35	09:43	00:00
8	00:00	09:48	07:46	06:30	04:06	00:00	00:00	04:39	06:48	08:38	09:48	00:00
9	12:31	09:43	07:41	06:26	04:01	00:00	00:00	04:44	06:52	08:42	09:53	00:00
10	12:21	09:39	07:37	06:21	03:55	00:00	00:00	04:49	06:55	08:46	09:58	00:00
11	12:12	09:34	07:33	06:17	03:49	00:00	00:00	04:53	06:59	08:50	10:03	00:00
12	12:05	09:30	07:28	06:12	03:43	00:00	00:00	04:58	07:03	08:54	10:08	00:00
13	11:58	09:26	07:24	06:08	03:37	00:00	00:00	05:03	07:06	08:58	10:13	00:00
14	11:51	09:21	08:20	06:03	03:30	00:00	00:00	05:07	07:10	09:01	10:18	00:00
15	11:45	09:17	08:15	05:59	03:23	00:00	00:00	05:12	07:14	09:05	10:23	00:00
16	11:39	09:12	08:11	05:54	03:16	00:00	00:00	05:16	07:17	09:09	10:28	00:00
17	11:34	09:08	08:07	05:50	03:09	00:00	00:00	05:20	07:21	09:13	10:34	00:00
18	11:28	09:04	08:02	05:45	03:00	00:00	00:00	05:25	07:25	09:17	10:39	00:00
19	11:23	08:59	07:58	05:41	02:51	00:00	00:00	05:29	07:28	09:21	10:45	00:00
20	11:17	08:55	07:54	05:36	02:41	00:00	00:00	05:33	07:32	09:25	10:50	00:00
21	11:12	08:50	07:49	05:31	02:28	00:00	02:28	05:37	07:36	09:29	10:56	00:00
22	11:07	08:46	07:45	05:27	02:05	00:00	02:44	05:42	07:39	09:33	11:02	00:00
23	11:02	08:42	07:41	05:22	00:00	00:00	02:56	05:46	07:43	09:37	11:08	00:00
24	10:57	08:37	07:36	05:17	00:00	00:00	03:06	05:50	07:47	09:42	11:14	00:00
25	10:52	08:33	07:32	05:12	00:00	00:00	03:15	05:54	07:50	09:46	11:21	00:00
26	10:47	08:29	07:28	05:08	00:00	00:00	03:23	05:58	07:54	09:50	11:28	00:00
27	10:43	08:24	07:23	05:03	00:00	00:00	03:30	06:02	07:58	09:54	11:35	00:00
28	10:38	08:20	07:19	04:58	00:00	00:00	03:37	06:06	08:01	09:59	11:42	00:00
29	10:33		07:14	04:53	00:00	00:00	03:44	06:10	08:05	10:03	11:51	00:00
30	10:29		07:10	04:48	00:00	00:00	03:50	06:14	08:09	10:07	12:00	00:00
31	10:24		07:06		00:00		03:56	06:18		10:12		00:00



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



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