

UNCLASSIFIED

AFW-WEBS Sunrise-Sunset Tool

KPOE

LAT:31.04 LON:-93.19

BEGINNING 2021-12-01 FOR 31 DAYS

Date	Nautical Twilight Begin	Civil Twilight Begin	Sunrise	Sunset	Civil Twilight End	Nautical Twilight End	Moon Rise	Moon Set	% Illumination @ 0Z
2021-12-01	11:57	12:27	12:54	23:10	23:37	00:06	09:42	21:18	15.52%
2021-12-02	11:58	12:28	12:54	23:10	23:37	00:06	10:52	21:57	7.96%
2021-12-03	11:59	12:29	12:55	23:10	23:37	00:06	12:05	22:43	2.67%
2021-12-04	12:00	12:29	12:56	23:10	23:37	00:07	13:20	23:37	0.16%
2021-12-05	12:00	12:30	12:57	23:10	23:37	00:07	14:32	No Event	0.74%
2021-12-06	12:01	12:31	12:57	23:10	23:37	00:07	15:38	00:39	4.33%
2021-12-07	12:02	12:32	12:58	23:10	23:37	00:07	16:35	01:47	10.58%
2021-12-08	12:02	12:32	12:59	23:11	23:37	00:07	17:21	02:57	18.88%
2021-12-09	12:03	12:33	13:00	23:11	23:37	00:07	18:01	04:05	28.54%
2021-12-10	12:04	12:34	13:00	23:11	23:38	00:07	18:34	05:09	38.91%
2021-12-11	12:04	12:34	13:01	23:11	23:38	00:08	19:05	06:10	49.43%
2021-									

12-12	12:05	12:35	13:02	23:12	23:38	00:08	19:33	07:07	59.64%
2021-12-13	12:06	12:36	13:02	23:12	23:38	00:08	20:00	08:03	69.18%
2021-12-14	12:06	12:36	13:03	23:12	23:39	00:09	20:29	08:58	77.78%
2021-12-15	12:07	12:37	13:04	23:12	23:39	00:09	20:59	09:54	85.20%
2021-12-16	12:07	12:38	13:04	23:13	23:40	00:09	21:32	10:49	91.27%
2021-12-17	12:08	12:38	13:05	23:13	23:40	00:10	22:10	11:45	95.83%
2021-12-18	12:09	12:39	13:05	23:14	23:40	00:10	22:52	12:41	98.74%
2021-12-19	12:09	12:39	13:06	23:14	23:41	00:11	23:40	13:36	99.93%
2021-12-20	12:10	12:40	13:07	23:15	23:41	00:11	No Event	14:27	99.35%
2021-12-21	12:10	12:40	13:07	23:15	23:42	00:11	00:32	15:14	96.99%
2021-12-22	12:11	12:41	13:08	23:16	23:42	00:12	01:28	15:56	92.89%
2021-12-23	12:11	12:41	13:08	23:16	23:43	00:12	02:26	16:34	87.15%
2021-12-24	12:12	12:42	13:08	23:17	23:43	00:13	03:24	17:08	79.89%
2021-12-25	12:12	12:42	13:09	23:17	23:44	00:14	04:23	17:40	71.31%
2021-12-26	12:12	12:43	13:09	23:18	23:45	00:14	05:23	18:10	61.65%
2021-12-27	12:13	12:43	13:10	23:18	23:45	00:15	06:23	18:41	51.21%
2021-12-28	12:13	12:43	13:10	23:19	23:46	00:15	07:25	19:13	40.39%
2021-12-29	12:13	12:44	13:10	23:20	23:46	00:16	08:30	19:48	29.70%
2021-	12:14	12:44	13:11	23:20	23:47	00:17	09:39	20:29	19.73%

12-30									
2021-12-31	12:14	12:44	13:11	23:21	23:48	00:17	10:51	21:18	11.19%

Moon Phases

Previous Full	Previous Last Quarter	Previous New	Previous First Quarter	Next Last Quarter	Next New	Next First Quarter	Next Full
2020-12-30 03:29:00	2021-01-06 09:38:00	2021-01-13 05:01:00	2021-01-20 21:03:00	2021-02-04 17:38:00	2021-02-11 19:07:00	2021-02-19 18:48:00	2021-02-27 08:18:00

ALL TIMES ARE UTC. DATES ARE SHOWN AS UTC DATES MAY DIFFER DEPENDING ON LOCATION. SUNRISE/SUNSET IS BASED UPON NAVAL OBSERVATORY ALGORITHMS AND HAS A HORIZON OF -0.34.

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