

July 2023

Date	Nautical Twilight Begin	Sunrise	Sunset	Nautical Twilight End	Moon Rise	Moon Set	% Illumination @ 2359Z
1-Jul-23	5:30	6:31	20:39	21:41	19:17	4:23	92%
2-Jul-23	5:30	6:32	20:39	21:41	20:26	5:17	97%
3-Jul-23	5:31	6:32	20:39	21:40	21:28	6:22	100%
4-Jul-23	5:31	6:32	20:39	21:40	22:21	7:34	99%
5-Jul-23	5:32	6:33	20:39	21:40	23:06	8:49	96%
6-Jul-23	5:32	6:33	20:39	21:40	23:45	10:02	91%
7-Jul-23	5:33	6:34	20:39	21:40	No Event	11:11	83%
8-Jul-23	5:33	6:34	20:38	21:39	0:18	12:18	73%
9-Jul-23	5:34	6:35	20:38	21:39	0:49	13:22	62%
10-Jul-23	5:34	6:35	20:38	21:39	1:19	14:25	51%
11-Jul-23	5:35	6:36	20:38	21:38	1:50	15:27	40%
12-Jul-23	5:36	6:36	20:37	21:38	2:23	16:29	30%
13-Jul-23	5:36	6:37	20:37	21:38	3:00	17:31	21%
14-Jul-23	5:37	6:38	20:37	21:37	3:42	18:31	13%
15-Jul-23	5:38	6:38	20:36	21:37	4:29	19:27	7%
16-Jul-23	5:38	6:39	20:36	21:36	5:21	20:18	3%
17-Jul-23	5:39	6:39	20:36	21:36	6:17	21:02	1%
18-Jul-23	5:40	6:40	20:35	21:35	7:14	21:41	0%
19-Jul-23	5:41	6:40	20:35	21:34	8:12	22:14	2%
20-Jul-23	5:41	6:41	20:34	21:34	9:08	22:43	5%
21-Jul-23	5:42	6:42	20:34	21:33	10:03	23:10	9%
22-Jul-23	5:43	6:42	20:33	21:32	10:57	23:36	16%
23-Jul-23	5:44	6:43	20:33	21:32	11:51	No Event	23%
24-Jul-23	5:44	6:43	20:32	21:31	12:46	0:01	32%
25-Jul-23	5:45	6:44	20:31	21:30	13:43	0:28	41%
26-Jul-23	5:46	6:45	20:31	21:30	14:44	0:57	51%
27-Jul-23	5:47	6:45	20:30	21:29	15:48	1:31	61%
28-Jul-23	5:47	6:46	20:29	21:28	16:56	2:11	71%
29-Jul-23	5:48	6:47	20:29	21:27	18:04	3:00	81%
30-Jul-23	5:49	6:47	20:28	21:26	19:09	3:59	89%
31-Jul-23	5:50	6:48	20:27	21:25	20:07	5:08	95%