Apr	Sunrise	Sunset		
1*	7:25 am → (82°)	8:12 pm ← (278°)		
2 🕶	7:23 am → (82°)	8:13 pm ← (278°)		
3 ~	7:21 am → (81°)	8:14 pm ← (279°)		
4~	7:19 am → (81°)	8:15 pm ← (279°)		
5 🕶	7:18 am → (80°)	8:17 pm ← (280°)		
6 🕶	7:16 am → (80°)	8:18 pm ← (280°)		
7~	7:14 am → (79°)	8:19 pm (281°)		
8 ~	7:12 am → (79°)	8:20 pm 🔨 (281°)		
9 🗸	7:11 am 거 (78°)	8:21 pm 🖰 (282°)		
10~	7:09 am 거 (78°)	8:23 pm 🔨 (283°)		
11 ~	7:07 am 🥕 (77°)	8:24 pm 🔨 (283°)		
12 🗸	7:06 am 🥕 (77°)	8:25 pm 🔨 (284°)		
13 ~	7:04 am 거 (76°)	8:26 pm 🐆 (284°)		
14 ~	7:02 am 거 (76°)	8:27 pm 🔨 (285°)		
15 🗸	7:01 am 거 (75°)	8:29 pm (285°)		
16 ~	6:59 am 🗡 (75°)	8:30 pm 🔨 (286°)		
17~	6:57 am 🗡 (74°)	8:31 pm (286°)		
18 ~	6:56 am 🗡 (74°)	8:32 pm (287°)		
19 ~	6:54 am 🗡 (73°)	8:33 pm (287°)		
20 🗸	6:52 am 🗡 (73°)	8:34 pm (288°)		
21 🗸	6:51 am 거 (72°)	8:36 pm (288°)		
22 ~	6:49 am 🗡 (72°)	8:37 pm (288°)		
23 ~	6:48 am 🥕 (71°)	8:38 pm (289°)		
24 ~	6:46 am (71°)	8:39 pm (289°)		
25 ~	6:45 am (70°)	8:40 pm (290°)		
26 ~	6:43 am (70°)	8:42 pm (290°)		
27 ~	6:42 am (70°)	8:43 pm (291°)		
28 ~	6:40 am (69°)	8:44 pm (291°)		
29 🗸	6:39 am (69°)	8:45 pm (292°)		
30 🕶	6:37 am 🥕 (68°)	8:46 pm (292°)		

May	Sunrise	Sunset
1 *	6:36 am 🥕 (68°)	8:47 pm
2 🕶	6:35 am 거 (67°)	8:49 pm 🔨 (293°)
3 🕶	6:33 am 🗡 (67°)	8:50 pm (293°)
4 ~	6:32 am 거 (66°)	8:51 pm
5 🗸	6:30 am 🗡 (66°)	8:52 pm 🔨 (294°)
6~	6:29 am 🗡 (66°)	8:53 pm (295°)
7~	6:28 am 🥕 (65°)	8:54 pm (295°)
8 🕶	6:27 am 🥕 (65°)	8:56 pm (295°)
9 🗸	6:25 am 🥕 (64°)	8:57 pm 🔑 (296°)
10 🕶	6:24 am 🥕 (64°)	8:58 pm 🔑 (296°)
11 🕶	6:23 am 🥕 (64°)	8:59 pm 🔑 (296°)
12 🕶	6:22 am 🥕 (63°)	9:00 pm 🔑 (297°)
13 🕶	6:21 am 거 (63°)	9:01 pm 🔑 (297°)
14 🕶	6:20 am 🗡 (63°)	9:02 pm 🔨 (298°)
15 🕶	6:19 am 🥕 (62°)	9:03 pm 🔨 (298°)
16 🗸	6:18 am 🗡 (62°)	9:04 pm 🔨 (298°)
17 ~	6:17 am 거 (62°)	9:05 pm 🔨 (299°)
18 🗸	6:16 am 🗡 (61°)	9:07 pm 🔨 (299°)
19 🗸	6:15 am 🥕 (61°)	9:08 pm 🔨 (299°)
20 🗸	6:14 am 🥕 (61°)	9:09 pm 🔨 (299°)
21 🗸	6:13 am 🥕 (60°)	9:10 pm 🔨 (300°)
22 🕶	6:12 am 🥕 (60°)	9:11 pm 🔨 (300°)
23 🕶	6:11 am 거 (60°)	9:12 pm 🔨 (300°)
24 🕶	6:11 am 🥕 (60°)	9:12 pm 🔨 (301°)
25 🗸	6:10 am 🥕 (59°)	9:13 pm 🔨 (301°)
26 🕶	6:09 am 🥕 (59°)	9:14 pm 🔨 (301°)
27 🗸	6:08 am 🥕 (59°)	9:15 pm 🔨 (301°)
28 🕶	6:08 am 🥕 (59°)	9:16 pm 🔨 (302°)
29 🗸	6:07 am 🥕 (58°)	9:17 pm 🔨 (302°)
30 ~	6:07 am 🗡 (58°)	9:18 pm 🔨 (302°)
31 🕶	6:06 am 🥕 (58°)	9:19 pm (302°)

Jun	Sunrise		Sunset		
1 🕶	6:06 am 🗡	(58°)	9:19 pm	~	(302°)
2 🗸	6:05 am 🖈	(57°)	9:20 pm	*	(303°)
3 ~	6:05 am 🗡	(57°)	9:21 pm	*	(303°)
4 🗸	6:04 am 🗡	(57°)	9:22 pm	*	(303°)
5 ~	6:04 am 🗡	(57°)	9:22 pm	*	(303°)
6 🕶	6:04 am 🗡	(57°)	9:23 pm	*	(303°)
7~	6:03 am 🗡	(57°)	9:24 pm	~	(303°)
8 ~	6:03 am 🗡	(57°)	9:24 pm	*	(304°)
9 🗸	6:03 am 🗡	(56°)	9:25 pm	~	(304°)
10 ~	6:03 am 🗡	(56°)	9:25 pm	Κ,	(304°)
11 🕶	6:03 am 🗷	(56°)	9:26 pm	Κ,	(304°)
12 ~	6:02 am 🗷	(56°)	9:26 pm	ĸ	(304°)
13 🕶	6:02 am 🗷	(56°)	9:27 pm	Κ,	(304°)
14 🗸	6:02 am 🗷	(56°)	9:27 pm	Κ,	(304°)
15 ~	6:02 am 🗷	(56°)	9:28 pm	Κ,	(304°)
16 ~	6:02 am 🗷	(56°)	9:28 pm	Κ,	(304°)
17 ~	6:02 am 🗷	(56°)	9:28 pm	٢	(304°)
18 🗸	6:03 am 🗷	(56°)	9:29 pm	Κ,	(304°)
19 ~	6:03 am 🗷	(56°)	9:29 pm	٢	(304°)
20 🗸	6:03 am 🗡	(56°)	9:29 pm	Κ,	(304°)
21 🗸	6:03 am 🗡	(56°)	9:29 pm	Κ,	(304°)
22 🗸	6:03 am 🗡	(56°)	9:30 pm	Κ,	(304°)
23 🗸	6:04 am 🗷	(56°)	9:30 pm	Κ,	(304°)
24 🗸	6:04 am 🗷	(56°)	9:30 pm	Κ,	(304°)
25 🗸	6:04 am 🗷	(56°)	9:30 pm	Κ,	(304°)
26 🗸	6:05 am 🗷	(56°)	9:30 pm	Κ,	(304°)
27 🗸	6:05 am 🗷	(56°)	9:30 pm	Κ,	(304°)
28 🕶	6:06 am 🗷	(56°)	9:30 pm	Κ,	(304°)
29 🕶	6:06 am 🗷	(56°)	9:30 pm	Κ,	(304°)
30 🗸	6:07 am 🖊	(56°)	9:29 pm	*	(304°)

Jul	Sunrise	Sunset		
1 ~	6:07 am 거 (56°)	9:29 pm 🔨 (304°)		
2 🗸	6:08 am 🗡 (56°)	9:29 pm 🔨 (303°)		
3 🕶	6:08 am 🗡 (57°)	9:29 pm 🖰 (303°)		
4 🗸	6:09 am 🗡 (57°)	9:29 pm 🖰 (303°)		
5 ~	6:10 am 🥕 (57°)	9:28 pm 🖰 (303°)		
6 ~	6:10 am 🥕 (57°)	9:28 pm 🖰 (303°)		
7 🗸	6:11 am 🥕 (57°)	9:27 pm 🖰 (303°)		
8 🗸	6:12 am 🥕 (57°)	9:27 pm 🖰 (303°)		
9 🗸	6:12 am 🥕 (58°)	9:27 pm 🖰 (302°)		
10 ~	6:13 am 🥕 (58°)	9:26 pm 🖰 (302°)		
11 🕶	6:14 am 거 (58°)	9:25 pm 🖰 (302°)		
12 ~	6:15 am 🥕 (58°)	9:25 pm 🖰 (302°)		
13 ~	6:16 am 🥕 (58°)	9:24 pm (301°)		
14 🗸	6:17 am 🥕 (59°)	9:24 pm (301°)		
15 ~	6:17 am 🥕 (59°)	9:23 pm 🖰 (301°)		
16 ~	6:18 am 🥕 (59°)	9:22 pm 🖰 (301°)		
17 ~	6:19 am 🥕 (59°)	9:21 pm 🖰 (301°)		
18 ~	6:20 am 🥕 (60°)	9:21 pm 🖰 (300°)		
19 🗸	6:21 am 🕕 (60°)	9:20 pm 🖰 (300°)		
20 🗸	6:22 am 🥕 (60°)	9:19 pm ← (300°)		
21 🗸	6:23 am 🥕 (60°)	9:18 pm 🖰 (299°)		
22 🗸	6:24 am 🥕 (61°)	9:17 pm 🖰 (299°)		
23 🗸	6:25 am 🥕 (61°)	9:16 pm 🖰 (299°)		
24 🗸	6:26 am 거 (61°)	9:15 pm 🖰 (298°)		
25 🗸	6:27 am 거 (62°)	9:14 pm 🔨 (298°)		
26 🗸	6:28 am 🗡 (62°)	9:13 pm 🛰 (298°)		
27 🗸	6:29 am 거 (62°)	9:12 pm 🖰 (297°)		
28 🗸	6:30 am 🗡 (63°)	9:11 pm 🖰 (297°)		
29 🗸	6:31 am 거 (63°)	9:10 pm 🖰 (297°)		
30 🗸	6:32 am 🗡 (63°)	9:09 pm 🖊 (296°)		
31 🗸	6:33 am 🥕 (64°)	9:07 pm 🖰 (296°)		

Aug	Sunrise	Sunset		
1 ~	6:34 am → (64°)	9:06 pm (296°)		
2 ~	6:35 am 🗡 (65°)	9:05 pm (295°)		
3 ~	6:36 am 🗡 (65°)	9:04 pm (295°)		
4 ~	6:38 am 🗡 (65°)	9:02 pm ★ (294°)		
5 ~	6:39 am 🗡 (66°)	9:01 pm (294°)		
6 ~	6:40 am 🗡 (66°)	9:00 pm ► (294°)		
7 🗸	6:41 am 🗡 (66°)	8:58 pm (293°)		
8 ~	6:42 am 🗡 (67°)	8:57 pm (293°)		
9 🗸	6:43 am 🗡 (67°)	8:56 pm ► (292°)		
10 🗸	6:44 am 🥕 (68°)	8:54 pm (292°)		
11 ~	6:45 am 🥕 (68°)	8:53 pm (292°)		
12 🗸	6:46 am 🥕 (69°)	8:51 pm (291°)		
13 🗸	6:48 am 🥕 (69°)	8:50 pm 🖊 (291°)		
14 🗸	6:49 am 🕕 (69°)	8:48 pm (290°)		
15 🗸	6:50 am 🗡 (70°)	8:47 pm (290°)		
16 🕶	6:51 am 거 (70°)	8:45 pm (289°)		
17 🗸	6:52 am 🗡 (71°)	8:44 pm (289°)		
18 🕶	6:53 am 🗡 (71°)	8:42 pm (288°)		
19 🗸	6:54 am 🗡 (72°)	8:40 pm (288°)		
20 🗸	6:55 am 🗡 (72°)	8:39 pm (287°)		
21 🗸	6:56 am 🥕 (73°)	8:37 pm (287°)		
22 🗸	6:58 am 🥕 (73°)	8:36 pm		
23 🕶	6:59 am 🥕 (74°)	8:34 pm (286°)		
24 🗸	7:00 am 🥕 (74°)	8:32 pm 🔑 (286°)		
25 🗸	7:01 am 거 (75°)	8:31 pm (285°)		
26 🗸	7:02 am 🥕 (75°)	8:29 pm 🔨 (285°)		
27 🗸	7:03 am 🥕 (76°)	8:27 pm 🔨 (284°)		
28 🗸	7:04 am 🗡 (76°)	8:25 pm 🔑 (284°)		
29 🗸	7:05 am 🥕 (77°)	8:24 pm (283°)		
30 🕶	7:07 am 🥕 (77°)	8:22 pm 🔑 (283°)		

Sep	Sunrise	Sunset
1 *	7:09 am 🥕 (78°)	8:19 pm ★ (282°)
2 ~	7:10 am 거 (79°)	8:17 pm ← (281°)
3 🕶	7:11 am → (79°)	8:15 pm ← (281°)
4~	7:12 am → (80°)	8:13 pm ← (280°)
5 ~	7:13 am → (80°)	8:11 pm ← (280°)
6 🕶	7:14 am → (81°)	8:10 pm ← (279°)
7~	7:15 am → (81°)	8:08 pm ← (278°)
8 🕶	7:17 am → (82°)	8:06 pm ← (278°)
9 ~	7:18 am → (82°)	8:04 pm ← (277°)
10 ~	7:19 am → (83°)	8:02 pm ← (277°)
11 ~	7:20 am → (83°)	8:01 pm ← (276°)
12 ~	7:21 am → (84°)	7:59 pm ← (276°)
13 🗸	7:22 am → (84°)	7:57 pm ← (275°)
14~	7:23 am → (85°)	7:55 pm ← (275°)
15 🗸	7:24 am → (85°)	7:53 pm ← (274°)
16 🕶	7:26 am → (86°)	7:51 pm ← (274°)
17~	7:27 am → (87°)	7:50 pm ← (273°)
18 🕶	7:28 am → (87°)	7:48 pm ← (273°)
19 🗸	7:29 am → (88°)	7:46 pm ← (272°)
20 🗸	7:30 am → (88°)	7:44 pm ← (272°)
21 🗸	7:31 am → (89°)	7:42 pm ← (271°)
22 🗸	7:32 am → (89°)	7:40 pm ← (271°)
23 🕶	7:33 am → (90°)	7:39 pm ← (270°)
24 🗸	7:35 am → (90°)	7:37 pm ← (269°)
25 🗸	7:36 am → (91°)	7:35 pm ← (269°)
26 🗸	7:37 am → (91°)	7:33 pm ← (268°)
27 🗸	7:38 am → (92°)	7:31 pm ← (268°)
28 🕶	7:39 am → (92°)	7:29 pm ← (267°)
29 🕶	7:40 am → (93°)	7:28 pm ← (267°)
30 🕶	7:41 am → (94°)	7:26 pm ← (266°)

Oct	Sunrise	Sunset
1 *	7:43 am → (94°)	7:24 pm ← (266°)
2 🕶	7:44 am → (95°)	7:22 pm ← (265°)
3 🗸	7:45 am → (95°)	7:21 pm ← (265°)
4 🗸	7:46 am → (96°)	7:19 pm ← (264°)
5 🕶	7:47 am → (96°)	7:17 pm ← (264°)
6 🕶	7:48 am → (97°)	7:15 pm ← (263°)
7~	7:50 am → (97°)	7:13 pm ← (262°)
8 ~	7:51 am → (98°)	7:12 pm ← (262°)
9 🗸	7:52 am → (98°)	7:10 pm ← (261°)
10 🕶	7:53 am → (99°)	7:08 pm ← (261°)
11 🕶	7:54 am → (99°)	7:07 pm ← (260°)
12 🗸	7:56 am → (100°)	7:05 pm (260°)
13 🗸	7:57 am → (100°)	7:03 pm (259°)
14 🗸	7:58 am → (101°)	7:01 pm (259°)
15 ~	7:59 am > (101°)	7:00 pm 🕊 (258°)
16 🗸	8:01 am > (102°)	6:58 pm 🕊 (258°)
17 🗸	8:02 am > (102°)	6:57 pm 🕊 (257°)
18 🕶	8:03 am > (103°)	6:55 pm 🕊 (257°)
19 🗸	8:04 am > (103°)	6:53 pm 🕊 (256°)
20 🗸	8:06 am > (104°)	6:52 pm 🕊 (256°)
21 🗸	8:07 am > (104°)	6:50 pm 🕊 (255°)
22 🗸	8:08 am > (105°)	6:49 pm 🕊 (255°)
23 🗸	8:09 am > (105°)	6:47 pm ← (254°)
24 🗸	8:11 am > (106°)	6:46 pm 🕊 (254°)
25 🗸	8:12 am > (106°)	6:44 pm 🕊 (253°)
26 🗸	8:13 am > (107°)	6:43 pm 🕊 (253°)
27 🗸	8:14 am > (107°)	6:41 pm ← (252°)
28 🕶	8:16 am > (108°)	6:40 pm 🕊 (252°)
29 🗸	8:17 am > (108°)	6:38 pm ← (251°)
30 ✓	8:18 am > (109°)	6:37 pm ← (251°)
31 🕶	8:20 am > (109°)	6:36 pm 🖊 (251°)

Nov	Sunris	е	Su	nse	t
1*	8:21 am >	(110°)	6:34 pm	~	(250°)
2 🕶	8:22 am >	(110°)	6:33 pm	~	(250°)
					Note: h
3~	7:24 am 🥆	(111°)	5:32 pm	~	(249°)
4~	7:25 am 🥆	(111°)	5:30 pm	~	(249°)
5 ~	7:26 am 🥆	(111°)	5:29 pm	~	(248°)
6~	7:27 am 🤏	(112°)	5:28 pm	~	(248°)
7~	7:29 am 🥆	(112°)	5:27 pm	~	(248°)
8 ~	7:30 am 🥆	(113°)	5:26 pm	~	(247°)
9 🕶	7:31 am 🥆	(113°)	5:25 pm	~	(247°)
10 ~	7:33 am 🥆	(114°)	5:23 pm	~	(246°)
11 ~	7:34 am 🥆	(114°)	5:22 pm	~	(246°)
12 ~	7:35 am 🤏	(114°)	5:21 pm	~	(246°)
13 ~	7:37 am 🤏	(115°)	5:20 pm	~	(245°)
14 ~	7:38 am >	(115°)	5:19 pm	~	(245°)
15 🕶	7:39 am 🥆	(115°)	5:18 pm	~	(244°)
16 ~	7:40 am >	(116°)	5:18 pm	~	(244°)
17~	7:42 am 🥆	(116°)	5:17 pm	~	(244°)
18 ~	7:43 am >	(116°)	5:16 pm	~	(243°)
19 ~	7:44 am >	(117°)	5:15 pm	~	(243°)
20 🕶	7:45 am 🤏	(117°)	5:14 pm	~	(243°)
21 🕶	7:47 am 🤏	(117°)	5:14 pm	~	(242°)
22 🕶	7:48 am >	(118°)	5:13 pm	~	(242°)
23 🗸	7:49 am 🥆	(118°)	5:12 pm	~	(242°)
24 🗸	7:50 am >	(118°)	5:12 pm		
25 🗸	7:52 am >		5:11 pm		
26 ~	7:53 am >	(119°)	5:11 pm		
27 ~	7:54 am 🥆		5:10 pm		
28 ~	7:55 am >	(119°)	5:10 pm	~	(240°)
29 ~	7:56 am >		5:09 pm		
30 🕶	7:57 am 🥆	(120°)	5:09 pm	~	(240°)