MILKY WAY / EASTERN TIME (EST/EDT)

JANUARY 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Jan 1 into Jan 2	No window in full darkness	Rise: Jan 2, 2:47 AM Set: Jan 1, 12:03 PM
Jan 2 into Jan 3	No window in full darkness	Rise: Jan 3, 3:51 AM Set: Jan 2, 12:31 PM
Jan 3 into Jan 4	No window in full darkness	Rise: Jan 4, 4:53 AM Set: Jan 3, 1:05 PM
Jan 4 into Jan 5	No window in full darkness	Rise: Jan 5, 5:50 AM Set: Jan 4, 1:45 PM
Jan 5 into Jan 6	No window in full darkness	Rise: Jan 6, 6:41 AM Set: Jan 5, 2:33 PM
Jan 6 into Jan 7	No window in full darkness	Rise: Jan 7, 7:24 AM Set: Jan 6, 3:27 PM
Jan 7 into Jan 8	No window in full darkness	Rise: Jan 8, 7:59 AM Set: Jan 7, 4:26 PM
Jan 8 into Jan 9	No window in full darkness	Rise: Jan 9, 8:29 AM Set: Jan 8, 5:28 PM
Jan 9 into Jan 10	No window in full darkness	Rise: Jan 10, 8:55 AM Set: Jan 9, 6:31 PM
Jan 10 into Jan 11	No window in full darkness	Rise: Jan 11, 9:17 AM Set: Jan 10, 7:34 PM
Jan 11 into Jan 12	No window in full darkness	Rise: Jan 12, 9:38 AM Set: Jan 11, 8:36 PM
Jan 12 into Jan 13	No window in full darkness	Rise: Jan 13, 9:59 AM Set: Jan 12, 9:38 PM
Jan 13 into Jan 14	No window in full darkness	Rise: Jan 14, 10:20 AM Set: Jan 13, 10:41 PM
Jan 14 into Jan 15	No window in full darkness	Rise: Jan 15, 10:44 AM Set: Jan 14, 11:46 PM
Jan 15 into Jan 16	No window in full darkness	Rise: Jan 16, 11:11 AM Set: Jan 16, 12:55 AM
Jan 16 into Jan 17	No window in full darkness	Rise: Jan 17, 11:46 AM Set: Jan 17, 2:08 AM
Jan 17 into Jan 18	No window in full darkness	Rise: no event in this observing night Set: Jan 18, 3:23 AM
Jan 18 into Jan 19	No window in full darkness	Rise: Jan 18, 12:30 PM Set: Jan 19, 4:37 AM
Jan 19 into Jan 20	5:36 AM - 5:36 AM	Rise: Jan 19, 1:27 PM Set: Jan 20, 5:44 AM
Jan 20 into Jan 21	5:32 AM - 5:35 AM	Rise: Jan 20, 2:38 PM Set: Jan 21, 6:39 AM
Jan 21 into Jan 22	5:28 AM - 5:35 AM	Rise: Jan 21, 3:57 PM Set: Jan 22, 7:23 AM
Jan 22 into Jan 23	5:24 AM - 5:34 AM	Rise: Jan 22, 5:20 PM Set: Jan 23, 7:58 AM
Jan 23 into Jan 24	5:20 AM - 5:34 AM	Rise: Jan 23, 6:40 PM Set: Jan 24, 8:27 AM
Jan 24 into Jan 25	5:16 AM - 5:33 AM	Rise: Jan 24, 7:57 PM Set: Jan 25, 8:53 AM
Jan 25 into Jan 26	5:12 AM - 5:33 AM	Rise: Jan 25, 9:10 PM Set: Jan 26, 9:16 AM
Jan 26 into Jan 27	5:08 AM - 5:32 AM	Rise: Jan 26, 10:20 PM Set: Jan 27, 9:40 AM
Jan 27 into Jan 28	5:04 AM - 5:31 AM	Rise: Jan 27, 11:29 PM Set: Jan 28, 10:05 AM
Jan 28 into Jan 29	5:00 AM - 5:31 AM	Rise: Jan 29, 12:36 AM Set: Jan 29, 10:33 AM
Jan 29 into Jan 30	4:56 AM - 5:30 AM	Rise: Jan 30, 1:42 AM Set: Jan 30, 11:05 AM
Jan 30 into Jan 31	4:52 AM - 5:29 AM	Rise: Jan 31, 2:46 AM Set: Jan 31, 11:43 AM
Jan 31 into Feb 1	4:49 AM - 5:28 AM	Rise: Feb 1, 3:45 AM Set: no event in this observing night

GOLD = ENTIRE CORE WINDOW MOON-FREE | TEAL = PARTLY MOON-FREE

Only intervals with the core above the horizon and the Sun below -18 degrees are shown.

Core: PM is the first date; AM is the second. Moon events show their exact calendar date.

Highlights mean the Moon is below the horizon. Moon-free hours are shown within highlighted rows.

Unhighlighted rows have no moon-free core window of at least one minute, or no core visibility.

MILKY WAY / EASTERN TIME (EST/EDT)

FEBRUARY 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Feb 1 into Feb 2	4:45 AM - 5:28 AM	Rise: Feb 2, 4:37 AM Set: Feb 1, 12:28 PM
Feb 2 into Feb 3	4:41 AM - 5:27 AM Moon-free: 4:41 AM - 5:23 AM	Rise: Feb 3, 5:23 AM Set: Feb 2, 1:20 PM
Feb 3 into Feb 4	4:37 AM - 5:26 AM Moon-free: 4:37 AM - 5:26 AM	Rise: Feb 4, 6:01 AM Set: Feb 3, 2:18 PM
Feb 4 into Feb 5	4:33 AM - 5:25 AM Moon-free: 4:33 AM - 5:25 AM	Rise: Feb 5, 6:32 AM Set: Feb 4, 3:20 PM
Feb 5 into Feb 6	4:29 AM - 5:24 AM Moon-free: 4:29 AM - 5:24 AM	Rise: Feb 6, 6:59 AM Set: Feb 5, 4:23 PM
Feb 6 into Feb 7	4:25 AM - 5:23 AM Moon-free: 4:25 AM - 5:23 AM	Rise: Feb 7, 7:23 AM Set: Feb 6, 5:26 PM
Feb 7 into Feb 8	4:21 AM - 5:22 AM Moon-free: 4:21 AM - 5:22 AM	Rise: Feb 8, 7:44 AM Set: Feb 7, 6:28 PM
Feb 8 into Feb 9	4:17 AM - 5:21 AM Moon-free: 4:17 AM - 5:21 AM	Rise: Feb 9, 8:05 AM Set: Feb 8, 7:31 PM
Feb 9 into Feb 10	4:13 AM - 5:20 AM Moon-free: 4:13 AM - 5:20 AM	Rise: Feb 10, 8:26 AM Set: Feb 9, 8:34 PM
Feb 10 into Feb 11	4:09 AM - 5:19 AM Moon-free: 4:09 AM - 5:19 AM	Rise: Feb 11, 8:48 AM Set: Feb 10, 9:39 PM
Feb 11 into Feb 12	4:05 AM - 5:18 AM Moon-free: 4:05 AM - 5:18 AM	Rise: Feb 12, 9:14 AM Set: Feb 11, 10:46 PM
Feb 12 into Feb 13	4:01 AM - 5:17 AM Moon-free: 4:01 AM - 5:17 AM	Rise: Feb 13, 9:45 AM Set: Feb 12, 11:56 PM
Feb 13 into Feb 14	3:57 AM - 5:15 AM Moon-free: 3:57 AM - 5:15 AM	Rise: Feb 14, 10:24 AM Set: Feb 14, 1:08 AM
Feb 14 into Feb 15	3:53 AM - 5:14 AM Moon-free: 3:53 AM - 5:14 AM	Rise: Feb 15, 11:14 AM Set: Feb 15, 2:20 AM
Feb 15 into Feb 16	3:50 AM - 5:13 AM Moon-free: 3:50 AM - 5:13 AM	Rise: no event in this observing night Set: Feb 16, 3:27 AM
Feb 16 into Feb 17	3:46 AM - 5:12 AM Moon-free: 4:26 AM - 5:12 AM	Rise: Feb 16, 12:16 PM Set: Feb 17, 4:26 AM
Feb 17 into Feb 18	3:42 AM - 5:11 AM	Rise: Feb 17, 1:29 PM Set: Feb 18, 5:14 AM
Feb 18 into Feb 19	3:38 AM - 5:09 AM	Rise: Feb 18, 2:48 PM Set: Feb 19, 5:52 AM
Feb 19 into Feb 20	3:34 AM - 5:08 AM	Rise: Feb 19, 4:09 PM Set: Feb 20, 6:24 AM
Feb 20 into Feb 21	3:30 AM - 5:07 AM	Rise: Feb 20, 5:28 PM Set: Feb 21, 6:51 AM
Feb 21 into Feb 22	3:26 AM - 5:05 AM	Rise: Feb 21, 6:44 PM Set: Feb 22, 7:16 AM
Feb 22 into Feb 23	3:22 AM - 5:04 AM	Rise: Feb 22, 7:57 PM Set: Feb 23, 7:40 AM
Feb 23 into Feb 24	3:18 AM - 5:03 AM	Rise: Feb 23, 9:08 PM Set: Feb 24, 8:05 AM
Feb 24 into Feb 25	3:14 AM - 5:01 AM	Rise: Feb 24, 10:18 PM Set: Feb 25, 8:32 AM
Feb 25 into Feb 26	3:10 AM - 5:00 AM	Rise: Feb 25, 11:27 PM Set: Feb 26, 9:03 AM
Feb 26 into Feb 27	3:06 AM - 4:58 AM	Rise: Feb 27, 12:33 AM Set: Feb 27, 9:40 AM
Feb 27 into Feb 28	3:02 AM - 4:57 AM	Rise: Feb 28, 1:35 AM Set: Feb 28, 10:23 AM
Feb 28 into Mar 1	2:58 AM - 4:55 AM	Rise: Mar 1, 2:31 AM Set: Mar 1, 11:13 AM

GOLD = ENTIRE CORE WINDOW MOON-FREE | TEAL = PARTLY MOON-FREE

Only intervals with the core above the horizon and the Sun below -18 degrees are shown.

Core: PM is the first date; AM is the second. Moon events show their exact calendar date.

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MILKY WAY / EASTERN TIME (EST/EDT)

MARCH 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Mar 1 into Mar 2	2:55 AM - 4:54 AM Moon-free: 2:55 AM - 3:19 AM	Rise: Mar 2, 3:19 AM Set: no event in this observing night
Mar 2 into Mar 3	2:51 AM - 4:52 AM Moon-free: 2:51 AM - 4:00 AM	Rise: Mar 3, 4:00 AM Set: Mar 2, 12:09 PM
Mar 3 into Mar 4	2:47 AM - 4:51 AM Moon-free: 2:47 AM - 4:34 AM	Rise: Mar 4, 4:34 AM Set: Mar 3, 1:09 PM
Mar 4 into Mar 5	2:43 AM - 4:49 AM Moon-free: 2:43 AM - 4:49 AM	Rise: Mar 5, 5:02 AM Set: Mar 4, 2:12 PM
Mar 5 into Mar 6	2:39 AM - 4:48 AM Moon-free: 2:39 AM - 4:48 AM	Rise: Mar 6, 5:27 AM Set: Mar 5, 3:15 PM
Mar 6 into Mar 7	2:35 AM - 4:46 AM Moon-free: 2:35 AM - 4:46 AM	Rise: Mar 7, 5:49 AM Set: Mar 6, 4:18 PM
Mar 7 into Mar 8	2:31 AM - 4:44 AM Moon-free: 2:31 AM - 4:44 AM	Rise: Mar 8, 6:10 AM Set: Mar 7, 5:21 PM
Mar 8 into Mar 9	2:27 AM - 4:43 AM Moon-free: 2:27 AM - 4:43 AM	Rise: Mar 9, 6:31 AM Set: Mar 8, 6:25 PM
Mar 9 into Mar 10	2:23 AM - 4:41 AM Moon-free: 2:23 AM - 4:41 AM	Rise: Mar 10, 6:54 AM Set: Mar 9, 7:30 PM
Mar 10 into Mar 11	2:19 AM - 4:39 AM Moon-free: 2:19 AM - 4:39 AM	Rise: Mar 11, 7:19 AM Set: Mar 10, 8:37 PM
Mar 11 into Mar 12	2:15 AM - 4:38 AM Moon-free: 2:15 AM - 4:38 AM	Rise: Mar 12, 7:48 AM Set: Mar 11, 9:47 PM
Mar 12 into Mar 13	2:11 AM - 4:36 AM Moon-free: 2:11 AM - 4:36 AM	Rise: Mar 13, 8:24 AM Set: Mar 12, 10:58 PM
Mar 13 into Mar 14	3:07 AM - 5:34 AM Moon-free: 3:07 AM - 5:34 AM	Rise: Mar 14, 10:10 AM Set: Mar 14, 12:10 AM
Mar 14 into Mar 15	3:03 AM - 5:33 AM Moon-free: 3:03 AM - 5:33 AM	Rise: Mar 15, 11:06 AM Set: Mar 15, 2:18 AM
Mar 15 into Mar 16	2:59 AM - 5:31 AM Moon-free: 3:18 AM - 5:31 AM	Rise: no event in this observing night Set: Mar 16, 3:18 AM
Mar 16 into Mar 17	2:56 AM - 5:29 AM Moon-free: 4:08 AM - 5:29 AM	Rise: Mar 16, 12:14 PM Set: Mar 17, 4:08 AM
Mar 17 into Mar 18	2:52 AM - 5:27 AM Moon-free: 4:49 AM - 5:27 AM	Rise: Mar 17, 1:28 PM Set: Mar 18, 4:49 AM
Mar 18 into Mar 19	2:48 AM - 5:26 AM Moon-free: 5:22 AM - 5:26 AM	Rise: Mar 18, 2:46 PM Set: Mar 19, 5:22 AM
Mar 19 into Mar 20	2:44 AM - 5:24 AM	Rise: Mar 19, 4:03 PM Set: Mar 20, 5:50 AM
Mar 20 into Mar 21	2:40 AM - 5:22 AM	Rise: Mar 20, 5:19 PM Set: Mar 21, 6:16 AM
Mar 21 into Mar 22	2:36 AM - 5:20 AM	Rise: Mar 21, 6:32 PM Set: Mar 22, 6:40 AM
Mar 22 into Mar 23	2:32 AM - 5:18 AM	Rise: Mar 22, 7:44 PM Set: Mar 23, 7:04 AM
Mar 23 into Mar 24	2:28 AM - 5:17 AM	Rise: Mar 23, 8:55 PM Set: Mar 24, 7:31 AM
Mar 24 into Mar 25	2:24 AM - 5:15 AM	Rise: Mar 24, 10:06 PM Set: Mar 25, 8:01 AM
Mar 25 into Mar 26	2:20 AM - 5:13 AM	Rise: Mar 25, 11:15 PM Set: Mar 26, 8:35 AM
Mar 26 into Mar 27	2:16 AM - 5:11 AM	Rise: Mar 27, 12:20 AM Set: Mar 27, 9:16 AM
Mar 27 into Mar 28	2:12 AM - 5:09 AM	Rise: Mar 28, 1:20 AM Set: Mar 28, 10:04 AM
Mar 28 into Mar 29	2:08 AM - 5:07 AM Moon-free: 2:08 AM - 2:12 AM	Rise: Mar 29, 2:12 AM Set: Mar 29, 10:59 AM
Mar 29 into Mar 30	2:04 AM - 5:05 AM Moon-free: 2:04 AM - 2:56 AM	Rise: Mar 30, 2:56 AM Set: Mar 30, 11:58 AM
Mar 30 into Mar 31	2:00 AM - 5:04 AM Moon-free: 2:00 AM - 3:32 AM	Rise: Mar 31, 3:32 AM Set: no event in this observing night
Mar 31 into Apr 1	1:57 AM - 5:02 AM Moon-free: 1:57 AM - 4:03 AM	Rise: Apr 1, 4:03 AM Set: Mar 31, 12:59 PM

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MILKY WAY / EASTERN TIME (EST/EDT)

APRIL 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Apr 1 into Apr 2	1:53 AM - 5:00 AM Moon-free: 1:53 AM - 4:29 AM	Rise: Apr 2, 4:29 AM Set: Apr 1, 2:02 PM
Apr 2 into Apr 3	1:49 AM - 4:58 AM Moon-free: 1:49 AM - 4:52 AM	Rise: Apr 3, 4:52 AM Set: Apr 2, 3:05 PM
Apr 3 into Apr 4	1:45 AM - 4:56 AM Moon-free: 1:45 AM - 4:56 AM	Rise: Apr 4, 5:14 AM Set: Apr 3, 4:08 PM
Apr 4 into Apr 5	1:41 AM - 4:54 AM Moon-free: 1:41 AM - 4:54 AM	Rise: Apr 5, 5:35 AM Set: Apr 4, 5:11 PM
Apr 5 into Apr 6	1:37 AM - 4:52 AM Moon-free: 1:37 AM - 4:52 AM	Rise: Apr 6, 5:57 AM Set: Apr 5, 6:16 PM
Apr 6 into Apr 7	1:33 AM - 4:50 AM Moon-free: 1:33 AM - 4:50 AM	Rise: Apr 7, 6:22 AM Set: Apr 6, 7:23 PM
Apr 7 into Apr 8	1:29 AM - 4:48 AM Moon-free: 1:29 AM - 4:48 AM	Rise: Apr 8, 6:50 AM Set: Apr 7, 8:33 PM
Apr 8 into Apr 9	1:25 AM - 4:47 AM Moon-free: 1:25 AM - 4:47 AM	Rise: Apr 9, 7:25 AM Set: Apr 8, 9:46 PM
Apr 9 into Apr 10	1:21 AM - 4:45 AM Moon-free: 1:21 AM - 4:45 AM	Rise: Apr 10, 8:08 AM Set: Apr 9, 11:00 PM
Apr 10 into Apr 11	1:17 AM - 4:43 AM Moon-free: 1:17 AM - 4:43 AM	Rise: Apr 11, 9:02 AM Set: Apr 11, 12:10 AM
Apr 11 into Apr 12	1:13 AM - 4:41 AM Moon-free: 1:13 AM - 4:41 AM	Rise: Apr 12, 10:06 AM Set: Apr 12, 1:13 AM
Apr 12 into Apr 13	1:09 AM - 4:39 AM Moon-free: 2:06 AM - 4:39 AM	Rise: Apr 13, 11:19 AM Set: Apr 13, 2:06 AM
Apr 13 into Apr 14	1:05 AM - 4:37 AM Moon-free: 2:49 AM - 4:37 AM	Rise: no event in this observing night Set: Apr 14, 2:49 AM
Apr 14 into Apr 15	1:02 AM - 4:35 AM Moon-free: 3:23 AM - 4:35 AM	Rise: Apr 14, 12:34 PM Set: Apr 15, 3:23 AM
Apr 15 into Apr 16	12:58 AM - 4:33 AM Moon-free: 3:52 AM - 4:33 AM	Rise: Apr 15, 1:50 PM Set: Apr 16, 3:52 AM
Apr 16 into Apr 17	12:54 AM - 4:31 AM Moon-free: 4:18 AM - 4:31 AM	Rise: Apr 16, 3:03 PM Set: Apr 17, 4:18 AM
Apr 17 into Apr 18	12:50 AM - 4:29 AM	Rise: Apr 17, 4:15 PM Set: Apr 18, 4:42 AM
Apr 18 into Apr 19	12:46 AM - 4:28 AM	Rise: Apr 18, 5:26 PM Set: Apr 19, 5:06 AM
Apr 19 into Apr 20	12:42 AM - 4:26 AM	Rise: Apr 19, 6:36 PM Set: Apr 20, 5:31 AM
Apr 20 into Apr 21	12:38 AM - 4:24 AM	Rise: Apr 20, 7:46 PM Set: Apr 21, 5:59 AM
Apr 21 into Apr 22	12:34 AM - 4:22 AM	Rise: Apr 21, 8:56 PM Set: Apr 22, 6:32 AM
Apr 22 into Apr 23	12:30 AM - 4:20 AM	Rise: Apr 22, 10:03 PM Set: Apr 23, 7:10 AM
Apr 23 into Apr 24	12:26 AM - 4:18 AM	Rise: Apr 23, 11:06 PM Set: Apr 24, 7:56 AM
Apr 24 into Apr 25	12:22 AM - 4:16 AM	Rise: Apr 25, 12:02 AM Set: Apr 25, 8:48 AM
Apr 25 into Apr 26	12:18 AM - 4:14 AM Moon-free: 12:18 AM - 12:50 AM	Rise: Apr 26, 12:50 AM Set: Apr 26, 9:46 AM
Apr 26 into Apr 27	12:14 AM - 4:13 AM Moon-free: 12:14 AM - 1:29 AM	Rise: Apr 27, 1:29 AM Set: Apr 27, 10:47 AM
Apr 27 into Apr 28	12:10 AM - 4:11 AM Moon-free: 12:10 AM - 2:02 AM	Rise: Apr 28, 2:02 AM Set: Apr 28, 11:49 AM
Apr 28 into Apr 29	12:06 AM - 4:09 AM Moon-free: 12:06 AM - 2:30 AM	Rise: Apr 29, 2:30 AM Set: no event in this observing night
Apr 29 into Apr 30	12:03 AM - 4:07 AM Moon-free: 12:03 AM - 2:54 AM	Rise: Apr 30, 2:54 AM Set: Apr 29, 12:51 PM
Apr 30 into May 1	11:59 PM - 4:05 AM Moon-free: 11:59 PM - 3:16 AM	Rise: May 1, 3:16 AM Set: Apr 30, 1:54 PM

GOLD = ENTIRE CORE WINDOW MOON-FREE | TEAL = PARTLY MOON-FREE

Only intervals with the core above the horizon and the Sun below -18 degrees are shown.

Core: PM is the first date; AM is the second. Moon events show their exact calendar date.

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MILKY WAY / EASTERN TIME (EST/EDT)

MAY 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
May 1 into May 2	11:55 PM - 4:04 AM Moon-free: 11:55 PM - 3:37 AM	Rise: May 2, 3:37 AM Set: May 1, 2:56 PM
May 2 into May 3	11:51 PM - 4:02 AM Moon-free: 11:51 PM - 3:59 AM	Rise: May 3, 3:59 AM Set: May 2, 3:59 PM
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May 5 into May 6	11:39 PM - 3:57 AM Moon-free: 11:39 PM - 3:57 AM	Rise: May 6, 5:22 AM Set: May 5, 7:27 PM
May 6 into May 7	11:35 PM - 3:55 AM Moon-free: 11:35 PM - 3:55 AM	Rise: May 7, 6:02 AM Set: May 6, 8:42 PM
May 7 into May 8	11:31 PM - 3:53 AM Moon-free: 11:31 PM - 3:53 AM	Rise: May 8, 6:54 AM Set: May 7, 9:55 PM
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May 9 into May 10	11:23 PM - 3:50 AM Moon-free: 12:01 AM - 3:50 AM	Rise: May 10, 9:08 AM Set: May 10, 12:01 AM
May 10 into May 11	11:19 PM - 3:48 AM Moon-free: 12:48 AM - 3:48 AM	Rise: May 11, 10:25 AM Set: May 11, 12:48 AM
May 11 into May 12	11:15 PM - 3:47 AM Moon-free: 1:25 AM - 3:47 AM	Rise: May 12, 11:41 AM Set: May 12, 1:25 AM
May 12 into May 13	11:11 PM - 3:45 AM Moon-free: 1:56 AM - 3:45 AM	Rise: no event in this observing night Set: May 13, 1:56 AM
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May 15 into May 16	11:00 PM - 3:40 AM Moon-free: 3:09 AM - 3:40 AM	Rise: May 15, 3:15 PM Set: May 16, 3:09 AM
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May 19 into May 20	10:44 PM - 3:35 AM	Rise: May 19, 7:49 PM Set: May 20, 5:07 AM
May 20 into May 21	10:40 PM - 3:33 AM	Rise: May 20, 8:53 PM Set: May 21, 5:50 AM
May 21 into May 22	10:36 PM - 3:32 AM	Rise: May 21, 9:52 PM Set: May 22, 6:40 AM
May 22 into May 23	10:32 PM - 3:31 AM Moon-free: 10:32 PM - 10:43 PM	Rise: May 22, 10:43 PM Set: May 23, 7:36 AM
May 23 into May 24	10:28 PM - 3:29 AM Moon-free: 10:28 PM - 11:26 PM	Rise: May 23, 11:26 PM Set: May 24, 8:36 AM
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May 30 into May 31	10:17 PM - 3:22 AM Moon-free: 10:17 PM - 2:22 AM	Rise: May 31, 2:22 AM Set: May 30, 2:47 PM
May 31 into Jun 1	10:19 PM - 3:21 AM Moon-free: 10:19 PM - 2:47 AM	Rise: Jun 1, 2:47 AM Set: May 31, 3:54 PM

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MILKY WAY / EASTERN TIME (EST/EDT)

JUNE 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Jun 1 into Jun 2	10:20 PM - 3:20 AM Moon-free: 10:20 PM - 3:17 AM	Rise: Jun 2, 3:17 AM Set: Jun 1, 5:04 PM
Jun 2 into Jun 3	10:21 PM - 3:19 AM Moon-free: 10:21 PM - 3:19 AM	Rise: Jun 3, 3:53 AM Set: Jun 2, 6:18 PM
Jun 3 into Jun 4	10:22 PM - 3:18 AM Moon-free: 10:22 PM - 3:18 AM	Rise: Jun 4, 4:41 AM Set: Jun 3, 7:33 PM
Jun 4 into Jun 5	10:23 PM - 3:18 AM Moon-free: 10:23 PM - 3:18 AM	Rise: Jun 5, 5:40 AM Set: Jun 4, 8:45 PM
Jun 5 into Jun 6	10:24 PM - 3:17 AM Moon-free: 10:24 PM - 3:17 AM	Rise: Jun 6, 6:50 AM Set: Jun 5, 9:49 PM
Jun 6 into Jun 7	10:25 PM - 3:16 AM Moon-free: 10:42 PM - 3:16 AM	Rise: Jun 7, 8:08 AM Set: Jun 6, 10:42 PM
Jun 7 into Jun 8	10:26 PM - 3:16 AM Moon-free: 11:23 PM - 3:16 AM	Rise: Jun 8, 9:27 AM Set: Jun 7, 11:23 PM
Jun 8 into Jun 9	10:27 PM - 3:15 AM Moon-free: 11:57 PM - 3:15 AM	Rise: Jun 9, 10:44 AM Set: Jun 8, 11:57 PM
Jun 9 into Jun 10	10:28 PM - 3:15 AM Moon-free: 12:25 AM - 3:15 AM	Rise: Jun 10, 11:57 AM Set: Jun 10, 12:25 AM
Jun 10 into Jun 11	10:29 PM - 3:14 AM Moon-free: 12:50 AM - 3:14 AM	Rise: no event in this observing night Set: Jun 11, 12:50 AM
Jun 11 into Jun 12	10:30 PM - 3:14 AM Moon-free: 1:14 AM - 3:14 AM	Rise: Jun 11, 1:08 PM Set: Jun 12, 1:14 AM
Jun 12 into Jun 13	10:30 PM - 3:14 AM Moon-free: 1:38 AM - 3:14 AM	Rise: Jun 12, 2:16 PM Set: Jun 13, 1:38 AM
Jun 13 into Jun 14	10:31 PM - 3:13 AM Moon-free: 2:03 AM - 3:13 AM	Rise: Jun 13, 3:25 PM Set: Jun 14, 2:03 AM
Jun 14 into Jun 15	10:32 PM - 3:13 AM Moon-free: 2:32 AM - 3:13 AM	Rise: Jun 14, 4:32 PM Set: Jun 15, 2:32 AM
Jun 15 into Jun 16	10:32 PM - 3:13 AM Moon-free: 3:06 AM - 3:13 AM	Rise: Jun 15, 5:39 PM Set: Jun 16, 3:06 AM
Jun 16 into Jun 17	10:33 PM - 3:13 AM	Rise: Jun 16, 6:44 PM Set: Jun 17, 3:46 AM
Jun 17 into Jun 18	10:33 PM - 3:13 AM	Rise: Jun 17, 7:44 PM Set: Jun 18, 4:33 AM
Jun 18 into Jun 19	10:33 PM - 3:13 AM	Rise: Jun 18, 8:38 PM Set: Jun 19, 5:27 AM
Jun 19 into Jun 20	10:34 PM - 3:13 AM	Rise: Jun 19, 9:23 PM Set: Jun 20, 6:26 AM
Jun 20 into Jun 21	10:34 PM - 3:13 AM	Rise: Jun 20, 10:01 PM Set: Jun 21, 7:28 AM
Jun 21 into Jun 22	10:34 PM - 3:14 AM	Rise: Jun 21, 10:32 PM Set: Jun 22, 8:30 AM
Jun 22 into Jun 23	10:34 PM - 3:14 AM Moon-free: 10:34 PM - 10:58 PM	Rise: Jun 22, 10:58 PM Set: Jun 23, 9:32 AM
Jun 23 into Jun 24	10:35 PM - 3:14 AM Moon-free: 10:35 PM - 11:21 PM	Rise: Jun 23, 11:21 PM Set: Jun 24, 10:32 AM
Jun 24 into Jun 25	10:35 PM - 3:15 AM Moon-free: 10:35 PM - 11:42 PM	Rise: Jun 24, 11:42 PM Set: Jun 25, 11:33 AM
Jun 25 into Jun 26	10:35 PM - 3:15 AM Moon-free: 10:35 PM - 12:03 AM	Rise: Jun 26, 12:03 AM Set: no event in this observing night
Jun 26 into Jun 27	10:34 PM - 3:16 AM Moon-free: 10:34 PM - 12:24 AM	Rise: Jun 27, 12:24 AM Set: Jun 26, 12:34 PM
Jun 27 into Jun 28	10:34 PM - 3:16 AM Moon-free: 10:34 PM - 12:47 AM	Rise: Jun 28, 12:47 AM Set: Jun 27, 1:38 PM
Jun 28 into Jun 29	10:34 PM - 3:17 AM Moon-free: 10:34 PM - 1:13 AM	Rise: Jun 29, 1:13 AM Set: Jun 28, 2:44 PM
Jun 29 into Jun 30	10:34 PM - 3:17 AM Moon-free: 10:34 PM - 1:46 AM	Rise: Jun 30, 1:46 AM Set: Jun 29, 3:54 PM
Jun 30 into Jul 1	10:34 PM - 3:18 AM Moon-free: 10:34 PM - 2:27 AM	Rise: Jul 1, 2:27 AM Set: Jun 30, 5:08 PM

GOLD = ENTIRE CORE WINDOW MOON-FREE | TEAL = PARTLY MOON-FREE

Only intervals with the core above the horizon and the Sun below -18 degrees are shown.

Core: PM is the first date; AM is the second. Moon events show their exact calendar date.

Highlights mean the Moon is below the horizon. Moon-free hours are shown within highlighted rows.

Unhighlighted rows have no moon-free core window of at least one minute, or no core visibility.

MILKY WAY / EASTERN TIME (EST/EDT)

JULY 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Jul 1 into Jul 2	10:33 PM - 3:19 AM Moon-free: 10:33 PM - 3:19 AM	Rise: Jul 2, 3:20 AM Set: Jul 1, 6:21 PM
Jul 2 into Jul 3	10:33 PM - 3:20 AM Moon-free: 10:33 PM - 3:20 AM	Rise: Jul 3, 4:25 AM Set: Jul 2, 7:30 PM
Jul 3 into Jul 4	10:32 PM - 3:21 AM Moon-free: 10:32 PM - 3:21 AM	Rise: Jul 4, 5:42 AM Set: Jul 3, 8:29 PM
Jul 4 into Jul 5	10:32 PM - 3:22 AM Moon-free: 10:32 PM - 3:22 AM	Rise: Jul 5, 7:03 AM Set: Jul 4, 9:16 PM
Jul 5 into Jul 6	10:31 PM - 3:23 AM Moon-free: 10:31 PM - 3:23 AM	Rise: Jul 6, 8:23 AM Set: Jul 5, 9:54 PM
Jul 6 into Jul 7	10:30 PM - 3:24 AM Moon-free: 10:30 PM - 3:24 AM	Rise: Jul 7, 9:41 AM Set: Jul 6, 10:26 PM
Jul 7 into Jul 8	10:30 PM - 3:25 AM Moon-free: 10:52 PM - 3:25 AM	Rise: Jul 8, 10:55 AM Set: Jul 7, 10:52 PM
Jul 8 into Jul 9	10:29 PM - 3:26 AM Moon-free: 11:17 PM - 3:26 AM	Rise: no event in this observing night Set: Jul 8, 11:17 PM
Jul 9 into Jul 10	10:28 PM - 3:27 AM Moon-free: 11:41 PM - 3:27 AM	Rise: Jul 9, 12:06 PM Set: Jul 9, 11:41 PM
Jul 10 into Jul 11	10:27 PM - 3:28 AM Moon-free: 12:07 AM - 3:28 AM	Rise: Jul 10, 1:16 PM Set: Jul 11, 12:07 AM
Jul 11 into Jul 12	10:26 PM - 3:25 AM Moon-free: 12:35 AM - 3:25 AM	Rise: Jul 11, 2:24 PM Set: Jul 12, 12:35 AM
Jul 12 into Jul 13	10:25 PM - 3:21 AM Moon-free: 1:07 AM - 3:21 AM	Rise: Jul 12, 3:32 PM Set: Jul 13, 1:07 AM
Jul 13 into Jul 14	10:24 PM - 3:17 AM Moon-free: 1:45 AM - 3:17 AM	Rise: Jul 13, 4:38 PM Set: Jul 14, 1:45 AM
Jul 14 into Jul 15	10:23 PM - 3:13 AM Moon-free: 2:30 AM - 3:13 AM	Rise: Jul 14, 5:39 PM Set: Jul 15, 2:30 AM
Jul 15 into Jul 16	10:22 PM - 3:09 AM	Rise: Jul 15, 6:34 PM Set: Jul 16, 3:22 AM
Jul 16 into Jul 17	10:21 PM - 3:05 AM	Rise: Jul 16, 7:22 PM Set: Jul 17, 4:19 AM
Jul 17 into Jul 18	10:20 PM - 3:01 AM	Rise: Jul 17, 8:01 PM Set: Jul 18, 5:20 AM
Jul 18 into Jul 19	10:19 PM - 2:57 AM	Rise: Jul 18, 8:34 PM Set: Jul 19, 6:22 AM
Jul 19 into Jul 20	10:18 PM - 2:53 AM	Rise: Jul 19, 9:02 PM Set: Jul 20, 7:24 AM
Jul 20 into Jul 21	10:16 PM - 2:50 AM	Rise: Jul 20, 9:26 PM Set: Jul 21, 8:25 AM
Jul 21 into Jul 22	10:15 PM - 2:46 AM	Rise: Jul 21, 9:47 PM Set: Jul 22, 9:25 AM
Jul 22 into Jul 23	10:14 PM - 2:42 AM	Rise: Jul 22, 10:08 PM Set: Jul 23, 10:26 AM
Jul 23 into Jul 24	10:12 PM - 2:38 AM Moon-free: 10:12 PM - 10:28 PM	Rise: Jul 23, 10:28 PM Set: Jul 24, 11:27 AM
Jul 24 into Jul 25	10:11 PM - 2:34 AM Moon-free: 10:11 PM - 10:50 PM	Rise: Jul 24, 10:50 PM Set: no event in this observing night
Jul 25 into Jul 26	10:09 PM - 2:30 AM Moon-free: 10:09 PM - 11:14 PM	Rise: Jul 25, 11:14 PM Set: Jul 25, 12:31 PM
Jul 26 into Jul 27	10:08 PM - 2:26 AM Moon-free: 10:08 PM - 11:43 PM	Rise: Jul 26, 11:43 PM Set: Jul 26, 1:38 PM
Jul 27 into Jul 28	10:06 PM - 2:22 AM Moon-free: 10:06 PM - 12:19 AM	Rise: Jul 28, 12:19 AM Set: Jul 27, 2:48 PM
Jul 28 into Jul 29	10:05 PM - 2:18 AM Moon-free: 10:05 PM - 1:05 AM	Rise: Jul 29, 1:05 AM Set: Jul 28, 4:00 PM
Jul 29 into Jul 30	10:03 PM - 2:14 AM Moon-free: 10:03 PM - 2:03 AM	Rise: Jul 30, 2:03 AM Set: Jul 29, 5:09 PM
Jul 30 into Jul 31	10:02 PM - 2:10 AM Moon-free: 10:02 PM - 2:10 AM	Rise: Jul 31, 3:13 AM Set: Jul 30, 6:12 PM
Jul 31 into Aug 1	10:00 PM - 2:06 AM Moon-free: 10:00 PM - 2:06 AM	Rise: Aug 1, 4:32 AM Set: Jul 31, 7:05 PM

GOLD = ENTIRE CORE WINDOW MOON-FREE | TEAL = PARTLY MOON-FREE

Only intervals with the core above the horizon and the Sun below -18 degrees are shown.

Core: PM is the first date; AM is the second. Moon events show their exact calendar date.

Highlights mean the Moon is below the horizon. Moon-free hours are shown within highlighted rows.

Unhighlighted rows have no moon-free core window of at least one minute, or no core visibility.

MILKY WAY / EASTERN TIME (EST/EDT)

AUGUST 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Aug 1 into Aug 2	9:58 PM - 2:02 AM Moon-free: 9:58 PM - 2:02 AM	Rise: Aug 2, 5:54 AM Set: Aug 1, 7:47 PM
Aug 2 into Aug 3	9:57 PM - 1:58 AM Moon-free: 9:57 PM - 1:58 AM	Rise: Aug 3, 7:15 AM Set: Aug 2, 8:22 PM
Aug 3 into Aug 4	9:55 PM - 1:54 AM Moon-free: 9:55 PM - 1:54 AM	Rise: Aug 4, 8:33 AM Set: Aug 3, 8:52 PM
Aug 4 into Aug 5	9:53 PM - 1:51 AM Moon-free: 9:53 PM - 1:51 AM	Rise: Aug 5, 9:47 AM Set: Aug 4, 9:18 PM
Aug 5 into Aug 6	9:52 PM - 1:47 AM Moon-free: 9:52 PM - 1:47 AM	Rise: Aug 6, 11:00 AM Set: Aug 5, 9:43 PM
Aug 6 into Aug 7	9:50 PM - 1:43 AM Moon-free: 10:09 PM - 1:43 AM	Rise: no event in this observing night Set: Aug 6, 10:09 PM
Aug 7 into Aug 8	9:48 PM - 1:39 AM Moon-free: 10:36 PM - 1:39 AM	Rise: Aug 7, 12:12 PM Set: Aug 7, 10:36 PM
Aug 8 into Aug 9	9:47 PM - 1:35 AM Moon-free: 11:08 PM - 1:35 AM	Rise: Aug 8, 1:21 PM Set: Aug 8, 11:08 PM
Aug 9 into Aug 10	9:45 PM - 1:31 AM Moon-free: 11:44 PM - 1:31 AM	Rise: Aug 9, 2:29 PM Set: Aug 9, 11:44 PM
Aug 10 into Aug 11	9:43 PM - 1:27 AM Moon-free: 12:27 AM - 1:27 AM	Rise: Aug 10, 3:32 PM Set: Aug 11, 12:27 AM
Aug 11 into Aug 12	9:41 PM - 1:23 AM Moon-free: 1:17 AM - 1:23 AM	Rise: Aug 11, 4:30 PM Set: Aug 12, 1:17 AM
Aug 12 into Aug 13	9:39 PM - 1:19 AM	Rise: Aug 12, 5:20 PM Set: Aug 13, 2:12 AM
Aug 13 into Aug 14	9:37 PM - 1:15 AM	Rise: Aug 13, 6:02 PM Set: Aug 14, 3:12 AM
Aug 14 into Aug 15	9:36 PM - 1:11 AM	Rise: Aug 14, 6:37 PM Set: Aug 15, 4:14 AM
Aug 15 into Aug 16	9:34 PM - 1:07 AM	Rise: Aug 15, 7:06 PM Set: Aug 16, 5:16 AM
Aug 16 into Aug 17	9:32 PM - 1:03 AM	Rise: Aug 16, 7:31 PM Set: Aug 17, 6:18 AM
Aug 17 into Aug 18	9:30 PM - 12:59 AM	Rise: Aug 17, 7:53 PM Set: Aug 18, 7:18 AM
Aug 18 into Aug 19	9:28 PM - 12:55 AM	Rise: Aug 18, 8:14 PM Set: Aug 19, 8:19 AM
Aug 19 into Aug 20	9:26 PM - 12:52 AM	Rise: Aug 19, 8:34 PM Set: Aug 20, 9:20 AM
Aug 20 into Aug 21	9:24 PM - 12:48 AM	Rise: Aug 20, 8:56 PM Set: Aug 21, 10:23 AM
Aug 21 into Aug 22	9:22 PM - 12:44 AM	Rise: Aug 21, 9:19 PM Set: Aug 22, 11:28 AM
Aug 22 into Aug 23	9:21 PM - 12:40 AM Moon-free: 9:21 PM - 9:45 PM	Rise: Aug 22, 9:45 PM Set: no event in this observing night
Aug 23 into Aug 24	9:19 PM - 12:36 AM Moon-free: 9:19 PM - 10:18 PM	Rise: Aug 23, 10:18 PM Set: Aug 23, 12:36 PM
Aug 24 into Aug 25	9:17 PM - 12:32 AM Moon-free: 9:17 PM - 10:58 PM	Rise: Aug 24, 10:58 PM Set: Aug 24, 1:46 PM
Aug 25 into Aug 26	9:15 PM - 12:28 AM Moon-free: 9:15 PM - 11:49 PM	Rise: Aug 25, 11:49 PM Set: Aug 25, 2:54 PM
Aug 26 into Aug 27	9:13 PM - 12:24 AM Moon-free: 9:13 PM - 12:24 AM	Rise: Aug 27, 12:52 AM Set: Aug 26, 3:58 PM
Aug 27 into Aug 28	9:11 PM - 12:20 AM Moon-free: 9:11 PM - 12:20 AM	Rise: Aug 28, 2:05 AM Set: Aug 27, 4:53 PM
Aug 28 into Aug 29	9:09 PM - 12:16 AM Moon-free: 9:09 PM - 12:16 AM	Rise: Aug 29, 3:24 AM Set: Aug 28, 5:39 PM
Aug 29 into Aug 30	9:07 PM - 12:12 AM Moon-free: 9:07 PM - 12:12 AM	Rise: Aug 30, 4:44 AM Set: Aug 29, 6:17 PM
Aug 30 into Aug 31	9:05 PM - 12:08 AM Moon-free: 9:05 PM - 12:08 AM	Rise: Aug 31, 6:04 AM Set: Aug 30, 6:48 PM
Aug 31 into Sep 1	9:03 PM - 12:04 AM Moon-free: 9:03 PM - 12:04 AM	Rise: Sep 1, 7:21 AM Set: Aug 31, 7:16 PM

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MILKY WAY / EASTERN TIME (EST/EDT)

SEPTEMBER 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Sep 1 into Sep 2	9:01 PM - 12:00 AM Moon-free: 9:01 PM - 12:00 AM	Rise: Sep 2, 8:36 AM Set: Sep 1, 7:42 PM
Sep 2 into Sep 3	8:59 PM - 11:57 PM Moon-free: 8:59 PM - 11:57 PM	Rise: Sep 3, 9:50 AM Set: Sep 2, 8:08 PM
Sep 3 into Sep 4	8:57 PM - 11:53 PM Moon-free: 8:57 PM - 11:53 PM	Rise: Sep 4, 11:03 AM Set: Sep 3, 8:36 PM
Sep 4 into Sep 5	8:55 PM - 11:49 PM Moon-free: 9:06 PM - 11:49 PM	Rise: no event in this observing night Set: Sep 4, 9:06 PM
Sep 5 into Sep 6	8:54 PM - 11:45 PM Moon-free: 9:42 PM - 11:45 PM	Rise: Sep 5, 12:14 PM Set: Sep 5, 9:42 PM
Sep 6 into Sep 7	8:52 PM - 11:41 PM Moon-free: 10:23 PM - 11:41 PM	Rise: Sep 6, 1:21 PM Set: Sep 6, 10:23 PM
Sep 7 into Sep 8	8:50 PM - 11:37 PM Moon-free: 11:11 PM - 11:37 PM	Rise: Sep 7, 2:22 PM Set: Sep 7, 11:11 PM
Sep 8 into Sep 9	8:48 PM - 11:33 PM	Rise: Sep 8, 3:15 PM Set: Sep 9, 12:05 AM
Sep 9 into Sep 10	8:46 PM - 11:29 PM	Rise: Sep 9, 4:00 PM Set: Sep 10, 1:04 AM
Sep 10 into Sep 11	8:44 PM - 11:25 PM	Rise: Sep 10, 4:38 PM Set: Sep 11, 2:05 AM
Sep 11 into Sep 12	8:42 PM - 11:21 PM	Rise: Sep 11, 5:09 PM Set: Sep 12, 3:07 AM
Sep 12 into Sep 13	8:40 PM - 11:17 PM	Rise: Sep 12, 5:35 PM Set: Sep 13, 4:09 AM
Sep 13 into Sep 14	8:38 PM - 11:13 PM	Rise: Sep 13, 5:58 PM Set: Sep 14, 5:10 AM
Sep 14 into Sep 15	8:36 PM - 11:09 PM	Rise: Sep 14, 6:20 PM Set: Sep 15, 6:11 AM
Sep 15 into Sep 16	8:34 PM - 11:05 PM	Rise: Sep 15, 6:40 PM Set: Sep 16, 7:13 AM
Sep 16 into Sep 17	8:33 PM - 11:01 PM	Rise: Sep 16, 7:02 PM Set: Sep 17, 8:16 AM
Sep 17 into Sep 18	8:31 PM - 10:58 PM	Rise: Sep 17, 7:24 PM Set: Sep 18, 9:20 AM
Sep 18 into Sep 19	8:29 PM - 10:54 PM	Rise: Sep 18, 7:50 PM Set: Sep 19, 10:28 AM
Sep 19 into Sep 20	8:27 PM - 10:50 PM	Rise: Sep 19, 8:21 PM Set: Sep 20, 11:37 AM
Sep 20 into Sep 21	8:25 PM - 10:46 PM Moon-free: 8:25 PM - 8:58 PM	Rise: Sep 20, 8:58 PM Set: no event in this observing night
Sep 21 into Sep 22	8:23 PM - 10:42 PM Moon-free: 8:23 PM - 9:45 PM	Rise: Sep 21, 9:45 PM Set: Sep 21, 12:45 PM
Sep 22 into Sep 23	8:21 PM - 10:38 PM Moon-free: 8:21 PM - 10:38 PM	Rise: Sep 22, 10:42 PM Set: Sep 22, 1:49 PM
Sep 23 into Sep 24	8:20 PM - 10:34 PM Moon-free: 8:20 PM - 10:34 PM	Rise: Sep 23, 11:50 PM Set: Sep 23, 2:46 PM
Sep 24 into Sep 25	8:18 PM - 10:30 PM Moon-free: 8:18 PM - 10:30 PM	Rise: Sep 25, 1:04 AM Set: Sep 24, 3:33 PM
Sep 25 into Sep 26	8:16 PM - 10:26 PM Moon-free: 8:16 PM - 10:26 PM	Rise: Sep 26, 2:21 AM Set: Sep 25, 4:13 PM
Sep 26 into Sep 27	8:14 PM - 10:22 PM Moon-free: 8:14 PM - 10:22 PM	Rise: Sep 27, 3:39 AM Set: Sep 26, 4:46 PM
Sep 27 into Sep 28	8:12 PM - 10:18 PM Moon-free: 8:12 PM - 10:18 PM	Rise: Sep 28, 4:55 AM Set: Sep 27, 5:15 PM
Sep 28 into Sep 29	8:11 PM - 10:14 PM Moon-free: 8:11 PM - 10:14 PM	Rise: Sep 29, 6:10 AM Set: Sep 28, 5:41 PM
Sep 29 into Sep 30	8:09 PM - 10:10 PM Moon-free: 8:09 PM - 10:10 PM	Rise: Sep 30, 7:25 AM Set: Sep 29, 6:07 PM
Sep 30 into Oct 1	8:07 PM - 10:06 PM Moon-free: 8:07 PM - 10:06 PM	Rise: Oct 1, 8:39 AM Set: Sep 30, 6:34 PM

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MILKY WAY / EASTERN TIME (EST/EDT)

OCTOBER 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Oct 1 into Oct 2	8:05 PM - 10:02 PM Moon-free: 8:05 PM - 10:02 PM	Rise: Oct 2, 9:52 AM Set: Oct 1, 7:04 PM
Oct 2 into Oct 3	8:04 PM - 9:59 PM Moon-free: 8:04 PM - 9:59 PM	Rise: Oct 3, 11:03 AM Set: Oct 2, 7:37 PM
Oct 3 into Oct 4	8:02 PM - 9:55 PM Moon-free: 8:17 PM - 9:55 PM	Rise: no event in this observing night Set: Oct 3, 8:17 PM
Oct 4 into Oct 5	8:00 PM - 9:51 PM Moon-free: 9:03 PM - 9:51 PM	Rise: Oct 4, 12:08 PM Set: Oct 4, 9:03 PM
Oct 5 into Oct 6	7:59 PM - 9:47 PM	Rise: Oct 5, 1:06 PM Set: Oct 5, 9:56 PM
Oct 6 into Oct 7	7:57 PM - 9:43 PM	Rise: Oct 6, 1:55 PM Set: Oct 6, 10:54 PM
Oct 7 into Oct 8	7:55 PM - 9:39 PM	Rise: Oct 7, 2:35 PM Set: Oct 7, 11:55 PM
Oct 8 into Oct 9	7:54 PM - 9:35 PM	Rise: Oct 8, 3:09 PM Set: Oct 9, 12:57 AM
Oct 9 into Oct 10	7:52 PM - 9:31 PM	Rise: Oct 9, 3:37 PM Set: Oct 10, 1:58 AM
Oct 10 into Oct 11	7:51 PM - 9:27 PM	Rise: Oct 10, 4:01 PM Set: Oct 11, 2:59 AM
Oct 11 into Oct 12	7:49 PM - 9:23 PM	Rise: Oct 11, 4:23 PM Set: Oct 12, 4:00 AM
Oct 12 into Oct 13	7:47 PM - 9:19 PM	Rise: Oct 12, 4:45 PM Set: Oct 13, 5:02 AM
Oct 13 into Oct 14	7:46 PM - 9:15 PM	Rise: Oct 13, 5:06 PM Set: Oct 14, 6:04 AM
Oct 14 into Oct 15	7:44 PM - 9:11 PM	Rise: Oct 14, 5:28 PM Set: Oct 15, 7:09 AM
Oct 15 into Oct 16	7:43 PM - 9:07 PM	Rise: Oct 15, 5:53 PM Set: Oct 16, 8:17 AM
Oct 16 into Oct 17	7:41 PM - 9:03 PM	Rise: Oct 16, 6:23 PM Set: Oct 17, 9:26 AM
Oct 17 into Oct 18	7:40 PM - 9:00 PM	Rise: Oct 17, 6:59 PM Set: Oct 18, 10:36 AM
Oct 18 into Oct 19	7:39 PM - 8:56 PM Moon-free: 7:39 PM - 7:43 PM	Rise: Oct 18, 7:43 PM Set: Oct 19, 11:42 AM
Oct 19 into Oct 20	7:37 PM - 8:52 PM Moon-free: 7:37 PM - 8:38 PM	Rise: Oct 19, 8:38 PM Set: no event in this observing night
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Oct 21 into Oct 22	7:34 PM - 8:44 PM Moon-free: 7:34 PM - 8:44 PM	Rise: Oct 21, 10:54 PM Set: Oct 21, 1:31 PM
Oct 22 into Oct 23	7:33 PM - 8:40 PM Moon-free: 7:33 PM - 8:40 PM	Rise: Oct 23, 12:08 AM Set: Oct 22, 2:12 PM
Oct 23 into Oct 24	7:32 PM - 8:36 PM Moon-free: 7:32 PM - 8:36 PM	Rise: Oct 24, 1:23 AM Set: Oct 23, 2:46 PM
Oct 24 into Oct 25	7:30 PM - 8:32 PM Moon-free: 7:30 PM - 8:32 PM	Rise: Oct 25, 2:37 AM Set: Oct 24, 3:16 PM
Oct 25 into Oct 26	7:29 PM - 8:28 PM Moon-free: 7:29 PM - 8:28 PM	Rise: Oct 26, 3:51 AM Set: Oct 25, 3:42 PM
Oct 26 into Oct 27	7:28 PM - 8:24 PM Moon-free: 7:28 PM - 8:24 PM	Rise: Oct 27, 5:03 AM Set: Oct 26, 4:08 PM
Oct 27 into Oct 28	7:27 PM - 8:20 PM Moon-free: 7:27 PM - 8:20 PM	Rise: Oct 28, 6:16 AM Set: Oct 27, 4:33 PM
Oct 28 into Oct 29	7:26 PM - 8:16 PM Moon-free: 7:26 PM - 8:16 PM	Rise: Oct 29, 7:29 AM Set: Oct 28, 5:01 PM
Oct 29 into Oct 30	7:24 PM - 8:12 PM Moon-free: 7:24 PM - 8:12 PM	Rise: Oct 30, 8:41 AM Set: Oct 29, 5:33 PM
Oct 30 into Oct 31	7:23 PM - 8:08 PM Moon-free: 7:23 PM - 8:08 PM	Rise: Oct 31, 9:50 AM Set: Oct 30, 6:10 PM
Oct 31 into Nov 1	7:22 PM - 8:05 PM Moon-free: 7:22 PM - 8:05 PM	Rise: Nov 1, 10:52 AM Set: Oct 31, 6:54 PM

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MILKY WAY / EASTERN TIME (EST/EDT)

NOVEMBER 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Nov 1 into Nov 2	7:21 PM - 8:01 PM Moon-free: 7:45 PM - 8:01 PM	Rise: Nov 2, 11:45 AM Set: Nov 1, 7:45 PM
Nov 2 into Nov 3	7:20 PM - 7:57 PM	Rise: no event in this observing night Set: Nov 2, 8:42 PM
Nov 3 into Nov 4	7:19 PM - 7:53 PM	Rise: Nov 3, 12:30 PM Set: Nov 3, 9:42 PM
Nov 4 into Nov 5	7:18 PM - 7:49 PM	Rise: Nov 4, 1:07 PM Set: Nov 4, 10:44 PM
Nov 5 into Nov 6	7:17 PM - 7:45 PM	Rise: Nov 5, 1:37 PM Set: Nov 5, 11:46 PM
Nov 6 into Nov 7	7:16 PM - 7:41 PM	Rise: Nov 6, 2:03 PM Set: Nov 7, 12:47 AM
Nov 7 into Nov 8	6:15 PM - 6:37 PM	Rise: Nov 7, 1:26 PM Set: Nov 8, 12:47 AM
Nov 8 into Nov 9	6:14 PM - 6:33 PM	Rise: Nov 8, 1:47 PM Set: Nov 9, 1:48 AM
Nov 9 into Nov 10	6:13 PM - 6:29 PM	Rise: Nov 9, 2:08 PM Set: Nov 10, 2:50 AM
Nov 10 into Nov 11	6:12 PM - 6:25 PM	Rise: Nov 10, 2:30 PM Set: Nov 11, 3:53 AM
Nov 11 into Nov 12	6:12 PM - 6:21 PM	Rise: Nov 11, 2:54 PM Set: Nov 12, 5:00 AM
Nov 12 into Nov 13	6:11 PM - 6:17 PM	Rise: Nov 12, 3:22 PM Set: Nov 13, 6:10 AM
Nov 13 into Nov 14	6:10 PM - 6:13 PM	Rise: Nov 13, 3:56 PM Set: Nov 14, 7:21 AM
Nov 14 into Nov 15	6:09 PM - 6:09 PM	Rise: Nov 14, 4:38 PM Set: Nov 15, 8:30 AM
Nov 15 into Nov 16	No window in full darkness	Rise: Nov 15, 5:31 PM Set: Nov 16, 9:33 AM
Nov 16 into Nov 17	No window in full darkness	Rise: Nov 16, 6:33 PM Set: Nov 17, 10:28 AM
Nov 17 into Nov 18	No window in full darkness	Rise: Nov 17, 7:44 PM Set: Nov 18, 11:12 AM
Nov 18 into Nov 19	No window in full darkness	Rise: Nov 18, 8:59 PM Set: Nov 19, 11:48 AM
Nov 19 into Nov 20	No window in full darkness	Rise: Nov 19, 10:14 PM Set: no event in this observing night
Nov 20 into Nov 21	No window in full darkness	Rise: Nov 20, 11:28 PM Set: Nov 20, 12:19 PM
Nov 21 into Nov 22	No window in full darkness	Rise: Nov 22, 12:40 AM Set: Nov 21, 12:46 PM
Nov 22 into Nov 23	No window in full darkness	Rise: Nov 23, 1:51 AM Set: Nov 22, 1:11 PM
Nov 23 into Nov 24	No window in full darkness	Rise: Nov 24, 3:02 AM Set: Nov 23, 1:36 PM
Nov 24 into Nov 25	No window in full darkness	Rise: Nov 25, 4:13 AM Set: Nov 24, 2:02 PM
Nov 25 into Nov 26	No window in full darkness	Rise: Nov 26, 5:24 AM Set: Nov 25, 2:31 PM
Nov 26 into Nov 27	No window in full darkness	Rise: Nov 27, 6:33 AM Set: Nov 26, 3:06 PM
Nov 27 into Nov 28	No window in full darkness	Rise: Nov 28, 7:37 AM Set: Nov 27, 3:46 PM
Nov 28 into Nov 29	No window in full darkness	Rise: Nov 29, 8:35 AM Set: Nov 28, 4:34 PM
Nov 29 into Nov 30	No window in full darkness	Rise: Nov 30, 9:23 AM Set: Nov 29, 5:29 PM
Nov 30 into Dec 1	No window in full darkness	Rise: Dec 1, 10:03 AM Set: Nov 30, 6:29 PM

GOLD = ENTIRE CORE WINDOW MOON-FREE | TEAL = PARTLY MOON-FREE

Only intervals with the core above the horizon and the Sun below -18 degrees are shown.

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Highlights mean the Moon is below the horizon. Moon-free hours are shown within highlighted rows.

Unhighlighted rows have no moon-free core window of at least one minute, or no core visibility.

MILKY WAY / EASTERN TIME (EST/EDT)

DECEMBER 2027

NIGHTLY GALACTIC CORE VISIBILITY IN FULL DARKNESS

All times Eastern, AM/PM.

OVERNIGHT DATES	CORE IN FULL DARKNESS	MOON RISE / SET
Dec 1 into Dec 2	No window in full darkness	Rise: Dec 2, 10:36 AM Set: Dec 1, 7:31 PM
Dec 2 into Dec 3	No window in full darkness	Rise: Dec 3, 11:03 AM Set: Dec 2, 8:34 PM
Dec 3 into Dec 4	No window in full darkness	Rise: Dec 4, 11:27 AM Set: Dec 3, 9:35 PM
Dec 4 into Dec 5	No window in full darkness	Rise: Dec 5, 11:49 AM Set: Dec 4, 10:35 PM
Dec 5 into Dec 6	No window in full darkness	Rise: no event in this observing night Set: Dec 5, 11:35 PM
Dec 6 into Dec 7	No window in full darkness	Rise: Dec 6, 12:10 PM Set: Dec 7, 12:35 AM
Dec 7 into Dec 8	No window in full darkness	Rise: Dec 7, 12:31 PM Set: Dec 8, 1:36 AM
Dec 8 into Dec 9	No window in full darkness	Rise: Dec 8, 12:54 PM Set: Dec 9, 2:41 AM
Dec 9 into Dec 10	No window in full darkness	Rise: Dec 9, 1:19 PM Set: Dec 10, 3:48 AM
Dec 10 into Dec 11	No window in full darkness	Rise: Dec 10, 1:50 PM Set: Dec 11, 4:59 AM
Dec 11 into Dec 12	No window in full darkness	Rise: Dec 11, 2:28 PM Set: Dec 12, 6:10 AM
Dec 12 into Dec 13	No window in full darkness	Rise: Dec 12, 3:17 PM Set: Dec 13, 7:17 AM
Dec 13 into Dec 14	No window in full darkness	Rise: Dec 13, 4:16 PM Set: Dec 14, 8:17 AM
Dec 14 into Dec 15	No window in full darkness	Rise: Dec 14, 5:27 PM Set: Dec 15, 9:07 AM
Dec 15 into Dec 16	No window in full darkness	Rise: Dec 15, 6:43 PM Set: Dec 16, 9:47 AM
Dec 16 into Dec 17	No window in full darkness	Rise: Dec 16, 8:01 PM Set: Dec 17, 10:20 AM
Dec 17 into Dec 18	No window in full darkness	Rise: Dec 17, 9:17 PM Set: Dec 18, 10:49 AM
Dec 18 into Dec 19	No window in full darkness	Rise: Dec 18, 10:31 PM Set: Dec 19, 11:15 AM
Dec 19 into Dec 20	No window in full darkness	Rise: Dec 19, 11:43 PM Set: Dec 20, 11:40 AM
Dec 20 into Dec 21	No window in full darkness	Rise: Dec 21, 12:53 AM Set: no event in this observing night
Dec 21 into Dec 22	No window in full darkness	Rise: Dec 22, 2:03 AM Set: Dec 21, 12:05 PM
Dec 22 into Dec 23	No window in full darkness	Rise: Dec 23, 3:13 AM Set: Dec 22, 12:33 PM
Dec 23 into Dec 24	No window in full darkness	Rise: Dec 24, 4:22 AM Set: Dec 23, 1:05 PM
Dec 24 into Dec 25	No window in full darkness	Rise: Dec 25, 5:27 AM Set: Dec 24, 1:43 PM
Dec 25 into Dec 26	No window in full darkness	Rise: Dec 26, 6:26 AM Set: Dec 25, 2:28 PM
Dec 26 into Dec 27	No window in full darkness	Rise: Dec 27, 7:17 AM Set: Dec 26, 3:20 PM
Dec 27 into Dec 28	No window in full darkness	Rise: Dec 28, 8:00 AM Set: Dec 27, 4:18 PM
Dec 28 into Dec 29	No window in full darkness	Rise: Dec 29, 8:36 AM Set: Dec 28, 5:19 PM
Dec 29 into Dec 30	No window in full darkness	Rise: Dec 30, 9:05 AM Set: Dec 29, 6:22 PM
Dec 30 into Dec 31	No window in full darkness	Rise: Dec 31, 9:30 AM Set: Dec 30, 7:24 PM
Dec 31 into Jan 1	No window in full darkness	Rise: Jan 1, 9:52 AM Set: Dec 31, 8:24 PM

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