

Happy 20th! What?!

Post by “Kalosyni” of August 6, 2023 at 9:14 PM

I am just a little out of touch with the moon.

It occurred to me to compare the moonrise time of East Coast USA with Athens, Greece...and the moonrise is at an earlier time in the evening over there!

<https://www.timeanddate.com/moon/greece/athens>

Quote

The moon’s orbital motion is toward the east.

Each day, the moon moves another [12 to 13 degrees](#) toward the east on the sky’s dome. Then, Earth’s rotation takes a little longer to bring you around to where the moon is in space.

Thus, the moon rises, on average, about 50 minutes later each day.

The later and later rising times of the moon cause our companion world to appear in a different part of the sky at each nightfall for the two weeks between new and full moon.

Then, in the two weeks after full moon, you’ll find the moon rising later and later at night.

Diagram with line of Earths and moons, and below panels with 9 phases of the moon. [View larger](#). | The moon’s (and Earth’s) orbit in one lunar month (new moon to new moon) as seen from north of the [ecliptic](#) – Earth’s orbital plane. The sun is at the top, outside the illustration. New moon is at extreme right and left. Full moon is at center. [Click here](#) for larger chart and more detailed explanation. Image via [Wikipedia/ Attribution-Share Alike 3.0 Unported](#).

<https://earthsky.org/moon-phases/understandingmoonphases/>