

Re: moonrise and time offset

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"Joerg Szczepek" <jsczepek@web.de> wrote in message
news:25a5826a.0408030248.140f0bf1@posting.google.com...

> *Dear forum,*

>

> *a popular science book told me that the time offset between the
> moonrises on two following days, that can be as long as 90 minutes in
> spring and as short as 25 minutes in autumn, is due to the inclination
> of the earth's axis. But if that's true, why don't the sunrises have
> such an offset as well as the sun should suffer from that same
> inclination ? I hope anybody can give me some insight about the
> problem.*

>

> *Jörg*

The earth's equatorial plane is inclined 23.5 degrees from the ecliptic or
equatorial

plane of the sun. The moon is inclined an additional 5 degrees from the
earth's equatorial plane. So

depending on the season and where the earth's hemispheres are oriented, this
has some effect.

Ever seen the moon at different heights in the sky? This also why the moon
can eclipse the Sun.