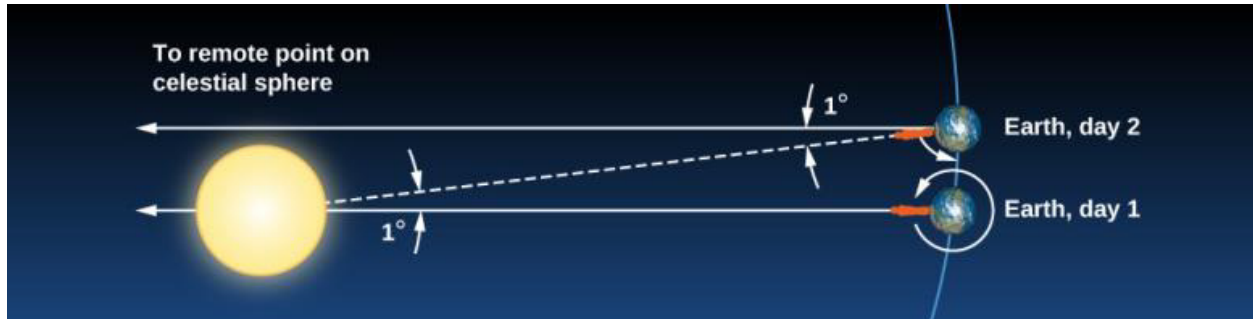


The figure below shows a close up of the sun and part of the orbit of the earth (not to scale!) from above earth's north pole. The position of the earth and an observer (orange) on the equator on two successive "days" are shown. The angle labeled is approximately 1 degree. Also indicated is the sense of rotation of the earth on its axis.



Thinking about yourself as a clock-hand on the spinning earth, from the time you are pointing in the direction of the distant point on the celestial sphere until you are doing so again ...?

- A) the earth rotates exactly 360 degrees relative to the distant stars.
- B) the earth rotates slightly less than 360 degrees relative to the distant stars.
- C) the earth rotates slightly more than 360 degrees relative to the distant stars.