

Lunar Occultation Reappearance of ZC 764

At about 19:07 UT 5th September (= 5:07am Sunday 6th September) the mag. 4.9 star ZC 764 will reappear from behind the lunar limb.

ZC 764 (aka SAO 94332 and HIP 23835) is a binary pair and each component should be seen to reappear separately with the duration between events of 0.13 seconds. This should be easy if a video camera is used but will be a challenge for visual observers.

The interesting point with this binary pair is that both components are listed as the same magnitude 5.8/5.8 and not exactly as depicted in the diagram. All historic observation of this pair are interferometric and so, determinations of component magnitudes is not always certain and sometimes it is a guess which is the A-star and which is the B-star. Lunar Occultation observations of similar binary pairs have shown a 180 degree error in the PA, meaning the wrong star was chosen to be the A-Star.

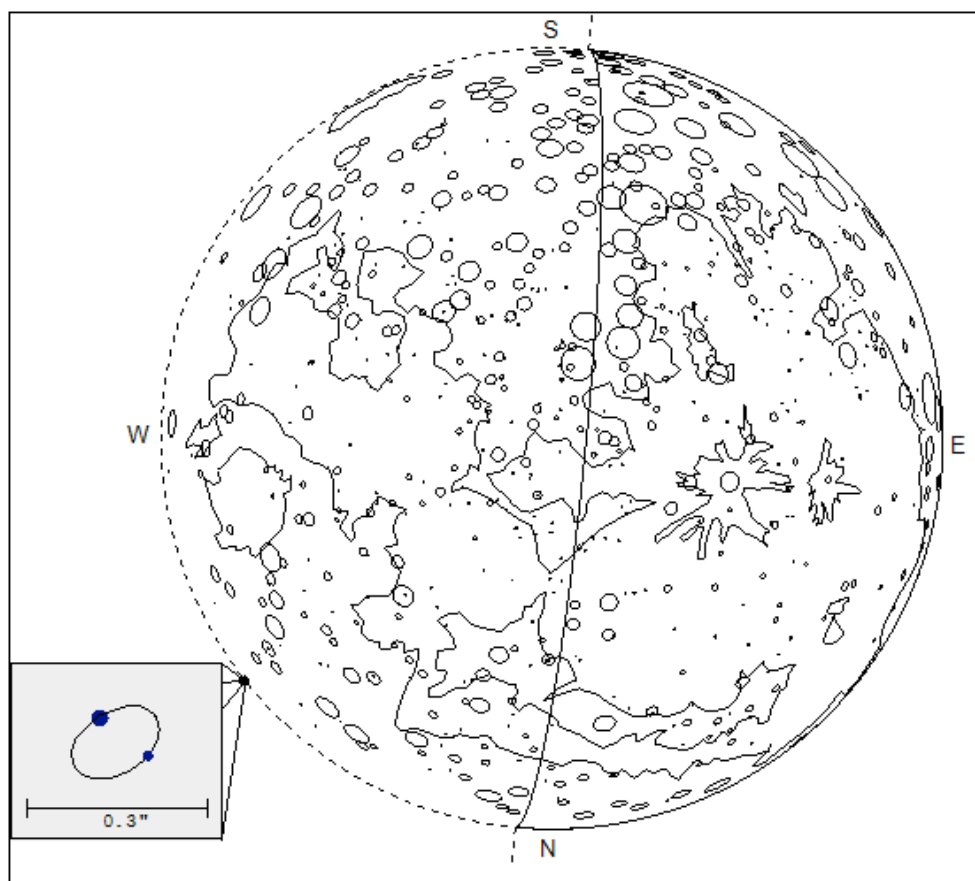
At the event time, the 46% illuminated moon will be at 36 deg. Altitude of in 18 deg. Azimuth.

The event will occur at lunar Position Angle of 308 degrees as shown in the diagram.

The challenge of course is to have your telescope pointed at that spot on the lunar limb and be ready for the reappearance event.

For those intending to observe, please contact the author and provide him with your site latitude and longitude and he will be pleased to provide an accurate prediction for your site.

See <http://www.kuriwaobservatory.com/index.html>



2015-09-05 Reappearance of ZC 794 - SAO 94332 - HIP 23835