

## Monday July 8, 2024

I went to the DSS tonight. Arrived 7:45 pm. Brisk wind from SE. Mostly clear with few clouds in southern sky.

At sunset, the wind is very light from SE now. Partly cloudy in south where Lup and Sco are. Will give it a go though and try to see these objects in this part of the sky.

4 other here and 1 arrived after sunset.

The thin, crescent moon in west was nice. Saw Mercury about 10 degrees up and Venus just 3 degrees up with 10x50 binoculars.

Seeing and transparency OK. Seems hazy this low in the southern sky. Using my 8" f/6 telescope tonight. 26mm – 47x. 10mm – 122x. 6mm – 203x.

9:26 PM – Pi Lup below horizon

IC 4603      9:42 PM      10mm – 2 brighter stars in middle of nebula. Has a hint of a glow around them in the FOV. Whole area seems splotchy.


NGC 6192      9:49 PM      10mm – Very low in south. A roundish open cluster. Fills center of FOV. 10-15 very faint stars, but it is easy to see these stars.  
26mm – Small, roundish glow speckled with stars.

Seeing and transparency good. The clouds in the southwest drifted southwest as it got really dark.

NGC 6216      10:00 PM      6mm – Very loose open cluster. 4 brighter and 3 very faint stars form a pentagon shape. 3 stars, 2 part of the open cluster form a line on the right hand side of open cluster. Very faint. Very low above horizon.

NGC 6318      10:08 PM      6mm – 6 stars, very faint, form a vertical line in FOV. Very small. To left is a single star not part of the open cluster. Easy to see.

NGC 6322      10:12 PM      6mm – Inside a triangle of 3 brighter stars that fills the center of FOV is this open cluster. 3 brighter above for a hat and 3 dimmer below in a line, 2 stars close and third a bit away and below. Very cool.

Shaula	10:16 PM	6mm – Double star. A brighter and white. B dimmer and white.
Cr 332	10:20 PM	6mm – Bounded by bright field star to upper left and chain of stars to lower right, is 10+ very faint stars of 3 magnitudes that fills FOV.
Harvard 16	10:23 PM	6mm – Fills center of FOV. 6 brighter stars along bottom make a backwards checkmark. 10 fainter stars make arc over top of checkmark. And 5-6 faint stars inside arc and checkmark.
Cr 338	10:31 PM	6mm – 6 stars in a line on right hand side bound this side. Fills FOV with 10-15 other stars of similar magnitudes and about 10 very faint stars inside these brighter stars.
Comet 13p/Oibers	In a 10" at 60x.	Nice bright core and hint of a fan shaped tail to 8 o'clock direction.
NGC 6400	10:35 PM	6mm – 20+ brighter stars fills center of FOV. Open cluster stands out. Brighter stars of 3 magnitudes form arms, head and legs of a person or a GI Star. Many fainter stars seen that helps fill in the star/person shape nicely. Very Cool!
		
Seeing and transparency good.		
IC 4603	10:41 PM	6mm – The area has a slight glow in FOV around the 2 brighter stars. The glow is brightest near the 2 stars. Very subtle.
HN 40	10:47 PM	6mm – 2 brighter and a few dimmer stars of 2 magnitudes are on the nebula glow of M20.
Kaus Australis	10:49 PM	6mm – Double star. A bright and blue-white. B near and <u>extremely faint</u> .
Nunki	10:53 PM	6mm – Double Star. A bright blue-white. B away and much fainter.

I had a great night. I was what I wanted to see.

Tomorrow we leave for Iowa to attend Barbara's 50<sup>th</sup> high school graduation reunion.