

## Thursday October 11, 2007

At Fox Park, Wyoming for a second night. John Figorski and Gary Garzone and Carol showed up. Calm at sunset but thick high cirrus clouds coming in from NW.

Sky is great now. High haze seems to have disappeared. Stars steady.

Found the comet C/2007 F1 Loneos. It set at 7:57 PM

- |                                                  |         |                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IC 1747                                          | 8:18 PM | 19mm – Very small, round bit of halo seen around central star which is easily visible. See this w/ OIII only. Unaided view this looks like a star.                                                                                                                                                                                                |
| NGC 7094                                         | 8:38 PM | 19mm – Very dim, round glow with central star in center of glow. Disappears with OIII and UHC filters. Surprising.                                                                                                                                                                                                                                |
| PNs are hard right now. Back to OCs. 34 degrees. |         |                                                                                                                                                                                                                                                                                                                                                   |
| Stock 4                                          | 9:16 PM | 19mm – Fills FOV. Large, loose 20 blue white stars of same magnitude. Are in a star rich field bounded by brighter field stars on rhs and at top. Matches picture from Night Sky book. Class III 1 p.                                                                                                                                             |
| Tr 2                                             | 9:24 PM | 19mm – Stands out in 7x50 finder scope. 5 brighter blue white stars, 3 in a line on lhs plus 13 more of a bit dimmer nature with these 5 and then many more very faint points of light in amongst all of these. Seems to be a bit together but still very loose. Class II 2 p.                                                                    |
| Stock 4                                          | 9:30 PM | 32mm – Gives better view than 19mm. Easier to see. 17 blue white stars of same magnitude bounded by brighter blue white field star to right and top. Still very loose in a star rich field. Class III 1 p.                                                                                                                                        |
| NGC 6811                                         | 9:41 PM | 19mm – Nice. Fills center of FOV nicely. 37 brighter blue white members of same magnitude in a compact, yet loose association. I didn't see an obvious omega, but maybe its either on upper rhs of cluster or lower lhs. Many more fainter stars seen with these brighter ones. Brighter members stand out in dimmer stars of area. Class II 2 m. |

Sky is awesome. Calm Seeing Great. 26 degrees.

Cr 34 9:58 PM 32mm – Gives best view. Nicely fills FOV. 30+ stars makeup this loose, yet together OC. I counted the brightest ones. Matches picture of it I have. Lots of real faint stars underneath these but I don't think they are part of it. Class II 3 p.

IC 1848 10:07 PM 19mm – 2 very bright blue white stars sit side by side with very tiny, faint stars around them. These brighter stars are separated a bit and are like a double cluster. 10 very faint stars surround the upper bright star and 12+ surrounds the lower one. Not many stars seen in-between them or away from them. These faint stars are very near the brightest ones. I saw the double bright blue white stars in 7x50 finder scope. Class I 3 p.

NGC 1027 10:16 PM 19mm – 25-30 stars makeup this loose OC. 1 very bright star to lower left. 5 stars a bit dimmer in a line on upper rhs and rest are much dimmer composed of 3 different magnitudes. Class II 2 p.

IC 1805 10:21 PM 19mm – Nice. 35-40 stars make a double loop looking cluster. 35 of the brighter ones make a '9' shape. Several magnitudes of stars. Even though large, stars are grouped together. Class II 3 p.

24 degrees now. Sky still awesome.

Stock 23 10:31 PM 19mm – I counted 17-19 stars in 4 detached parts. 7 stars form an 'L'. 7 stars to lower left form an arrow. 3 above these forms a triangle. 2 more above these and to the left. All very blue white in area void of these kinds of stars. Class III 1 p.

Tr 3            10:40 PM        19mm – Fills FOV nicely. 48 stars easily counted with many more very faint ones amongst these. All are blue white stars that stand out in an area void of these. Circular in shape and together. All kinds of magnitudes seen. Class I 2 m.

Tombaugh 5    10:49 PM        19mm – Nice. Fills center of FOV nicely. A dimmer OC yet easy to spot in a star poor area. Stars dim to very faint. 50+. Boxy in shape with lower left part of it trailing off. There is a glow underneath much of the lower part suggesting more unseen stars here. Fairly together. Class II 2 m or r.

23 degrees now.

NGC 1502       10:54 PM        19mm – Small. Nice. Saw it in 7x50 finder scope. 50+ stars of approx 4 magnitudes seen. The striking thing about this OC is the two lines of stars in middle of it with 2 very bright ones in middle of line, one in each line. Above and below line, dim stars trail off in curvy lines. Very bright star at lower left that is same magnitude as 2 stars in the line. Its all pretty together and 2 lines of stars stands out. Class I 2 m.

21 degrees now.

King 7           11:38 PM        9mm – Shows a circular *glow* around a brighter field star. The glow is made up of lots of tiny, extremely faint stars, many of which I can see w/AV and waiting for them to appear. Class I 1 p.

NGC 1444       11:44 PM        19mm – Very bright blue white star in upper part of a small circular cluster with most of stars below this brighter one. Stars are very faint and all of approx same magnitude. Class II 1 p.

NGC 1496       11:52 PM        19mm – Small. Compact. Count 10 stars of 3 magnitudes. Brighter ones make a 'V' shape. Class II 2 p.

IC 2003         12:18 AM        19mm – Very small, round, bright. Like out-of-focus star. OIII gives a good view. 9mm see its circular to oval in shape. Maybe see central star. Its faint though. With 19mm, and with and without OIII, can see the central star also.

IC 351 12:30 AM 19mm – This is just stellar. No halo seen. Its there with OIII. There is a doublet star just to left of it as my star charts indicate.

20 degrees. 1:31 AM. 6 stars seen in trapezium in M42.

Biur 9 2:03 AM 19mm – Shows 10 stars where cluster should be. 9mm shows a glow inside these 10 encircling stars. Saw a few very faint stars on this glow. Wish I had the power to see this one clearly. Class II 3 p or m.

18 degrees. Light frost forming. Sky is incredible.

PK 187+7.1 2:21 AM 19mm – Faint. Shows very faint star just above a much brighter star. OIII blinking helped see this one. Responds well at this power. Still hard to see. 9mm shows uniformly lit circular glow. OIII at this power didn't help.  
Mink 1-7

PK 194+2.1 2:39 AM 19mm – A bright stellar object. OIII shows it nicely. 9mm see it has a bit of halo around a tiny central star. At least I thought I saw the central star. This was without OIII filter where at this power, it responded nicely.  
Joukherre 900  
J900

PK 205+14.1 3:00 AM 19mm – Found 3 stars that are on top of this. Nothing. OIII nor UHC showed anything. 9mm. Same 3 stars. No contrast. Nothing changed in FOV with or without filters. Sky is great. I think the main mirror might have frosted up or possibly too dim for my scope to see. Will re-look at this the next time I go out.  
Abell 21

Ru 7 3:35 AM 19mm – See round, compact glow to upper left of a faint corner star of a rhombus shape of 4 stars. Saw faint pinpricks of stars on glow. 9mm shows glow a lot better and mottling on glow but no stars seen at this power. I think there is frost on my main mirror so I will re-look at this one next time I go out. Class I 2 m maybe.

18 degrees now. This was an incredible night. Gary showed me lots of neat stuff in his 30 inch. John was looking at faint galaxies and saw the 4 dim ones next to NGC 7331. There was a lot of frost on the telescope tube when I packed it up. Maybe frost on the main mirror.