

## Wednesday, November 7, 2012

Arrived at the Denver Club's Dark Sky Site near Deer Trail, CO at 3:30 PM.

At 5:51 PM, getting dark. Sky is clear. Light breeze from SE. Seeing and Transparency is good.

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| NGC 6646 | 6:23 PM | 15mm – A <u>very</u> faint, small, round glow with brighter stellar core in center of glow. |
| NGC 6956 | 6:41 PM | 15mm – A small, <u>extremely</u> dim, roundish uniformly lit glow.                          |

43 degrees. Seeing OK. Transparency OK.

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| H87<br>PCG 65415<br>PCG 65409<br>PCG 65414<br>PCG 65412 | 6:57 PM | 15mm – H87a (P65415) is a <u>tiny</u> , seen w/AV once in a while, glow. Then above and to left and near, when see H87a are 3 tightly grouped <u>tiny</u> glows of (a), (b) and (c). Very cool. When 87a seen, (a)(P65409), (b)(P65414) and (c)(P65412) are seen all at once. |
| NGC 150   | 7:31 PM | 15mm – A tilted oval. Larger. Uniformly lit. <u>Very</u> dim yet easy to see.   |
| NGC 148   | 7:36 PM | 15mm – A tiny edge on. Dim. Has brighter central stellar core. See tiny bit of tapered arms off each side, 1 – 7 o'clock.   |
| NGC 6962  | 7:46 PM | 15mm – A small, very dim round glow. Uniformly lit glow. Hint of hare brighter core.  |
| NGC 7280  | 8:26 PM | 15mm – A small, dim, edge on. Larger, brighter core. Lens shaped. Fatter center and hint of tiny tapered arms.  |
| NGC 7311  | 8:41 PM | 15mm – A linear, small edge on. See longer, tapered arms once in a while. Large bright core with still brighter center part. Hint of halo around core area.   |
| NGC 7769<br>NGC 7771<br>NGC 7770                        | 8:53 PM | 15mm – 7769 is to upper left of 3. Small round glow with hare brighter small core. To right and below is a thin linear glow of 7771, which has a hint of core on glow. Then above and very near 7771 is this tiny, round glow with a stellar core of 7770.                    |



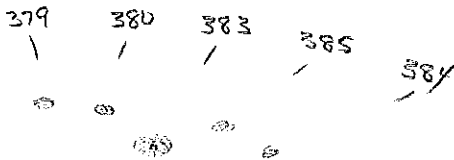
NGC 7798	9:02 PM	15mm – A small, <u>very</u> faint, thin oval glow has star like core seen once in a while.
NGC 7800	9:06 PM	15mm – A small, <u>very</u> dim longer oval uniformly lit glow.
H100 NGC 7810	9:09 PM	15mm – Part (a) is a small, oval, <u>very</u> dim glow. Then to left and near is (b), a round, out of focus like star. <u>Very</u> faint. To right, amongst 4 brighter know of stars is 7810, a tiny linear, <u>extremely</u> faint uniformly lit glow. To left of linear glow is a faint field star that is very near galaxy.
NGC 439	9:18 PM	15mm – A <u>very</u> faint, small, uniformly lit glow.

Seeing OK. Transparency OK. 45 degrees.


H 2 MGC+1-2-19	9:32 PM	15 mm – A small, bright, lens shaped galaxy. Has nice, bright core with central part the brightest.
NGC 182 NGC 198 NGC 200	10:12 PM	15mm – Top galaxy (182) is a small, oval, dim uniformly lit glow. Below and to right is a similar looking galaxy (198). Small, dim, uniformly lit oval. Below this one and to left is a smaller galaxy (200). Fainter. Roundish glow with tiny, brighter core. Forms chevron in FOV. All 3 in FOV.



NGC 383 NGC 379 NGC 380 NGC 384 NGC 385	10:18 PM	15mm – 5 galaxies in FOV. 4 are approx the same. Tiny, round glows, uniformly lit. These are 379, 380, 385 and 384. Center one is 383, which is a bit larger, round glow with have brighter core. All dim but easy to see. All in FOV and very near each other.
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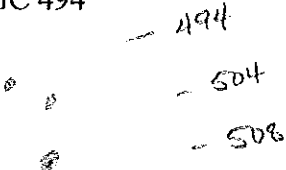


NGC 392      10:22 PM      15mm – 3 galaxies in FOV. Top one (394) is largest. Very dim, uniformly lit oval. Middle galaxy (392) is to left and a smaller, oval, uniformly lit glow. Bottom (397) is back to right and is a very dim, tiny, round glow with hint of core. All 3 in FOV and very near each other.



Seeing OK. Transparency OK. Stars are fat though. 39 degrees. Light breeze from SW.

NGC 508      10:28 PM      15mm – 3 galaxies in FOV. 508 is a small, dim, oval glow. Has larger, brighter core in center of glow. Above and to right (504) and then above this one and to left (494) are two, tiny, round, very faint uniformly lit glows.



By 11:28 PM, the sky is gone. Stars fat. Can't find galaxies anymore. 36 degrees.

NGC 1832      12:02 AM      15mm – Small, round, dim glow with brighter core. It is to the left and very near a dim field star.

PK 215-30.1      12:10 AM      15mm – A bright, small, out of focus looking star. Could tell it was a blue color while other stars in FOV were blue-white in color.

Hung out with Mike Castleberry tonight. Looked thru his 12.5 inch, f/5 scope with a bino-viewer. Gave very cool looks at Messier objects.

Looked at Jupiter, M13, M31, M32, M110, M81, M82, M35, M1.

The sky was good at the start of the evening and as the evening went on, is slowly deteriorated. Couldn't find Pal 12, nor 14<sup>th</sup> magnitude galaxies. Concentrated on brighter Herschel 2500s and Trios and Southern Arps I have yet to see. With sky contrast low, it was hard to determine if I had the galaxy in FOV or not.

Packed it in about 12:30 AM and spent the night in the prairie in the back of the van. Never got cold enough for me to start the electric heater.

