

Object	Date	Time	Seeing	Location	Equipment	Description
NGC 0023	9/19/2006	23:06 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x– Long, skinny glow with 2 field stars on top of glow at each end of it, right on the center line of the glow.
NGC 0024	9/19/2006	23:18 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x – Larger, elongated oval. Cigar shaped. Uniformly lit. Southern sky is not good transparency tonight. Stars are fat here, not pinpoints. A faint field star is on glow on rhs.
NGC 0125	09/30/06	00:55 MDT	Seeing good, Sky steady. Transparency Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Little brighter galaxy than last 2. Tilted oval with larger, brighter nucleus area with hint of halo extending at each end of the oval. Seen with direct vision. Best seen with AV.
NGC 0151	10/01/05	2:15 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Round glow. Easy to see with a relatively brighter, large nucleus glow.
NGC 0175	10/01/05	2:53 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very dim, round, uniformly lit smudge of light.
NGC 0198	09/30/06	00:59 MDT	Seeing good, Sky steady. Transparency Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very faint, round, uniformly lit smudge of light with hare brighter nucleus area. Can see with DV, but best seen with AV.
NGC 0206	9/20/2006	01:08 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x – Just above a triangle of stars. It's a large, diffused, basically oval glow that is brighter than surrounding sky glow and Andromedia galaxy glow in this area. UHC doesn't show it any better.
NGC 0214	9/19/2006	23:10 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x – Small, round to oval glow. Pretty dim. Uniformly lit yet with AV and at times, nucleus looks a bit brighter.
NGC 0217	10/01/05	2:03 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Elongated oval. Dim, small with maybe a hare brighter nucleus.
NGC 0315	10/23/06	22:21 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round glow. Pretty uniformly lit with tiny, hare brighter core seen with AV. Can see round glow with DV though. Very bright field star just above it, but away from end of halo glow.
NGC 0337	10/01/05	1:50 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Round to oval shape. Hard to tell. Uniformly lit glow. Stands right out.
NGC 0357	10/01/05	1:59 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, dim, maybe round uniformly lit glow.
NGC 0410	10/23/06	21:42 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round glow. Seen with DV. Has larger nucleus area with much brighter, tiny, not star like, central core.
NGC 0428	10/01/05	2:34 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, dim, round or oval shaped. It was hard to tell the exact shape for it was so dim. Maybe a hint of a slightly brighter nucleus.

NGC 0499	10/23/06	21:56 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round glow seen with DV. Has brighter tiny core area. Its faint.
NGC 0513	10/23/06	21:58 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very faint, small round glow with tiny, hare brighter core. Looks like an out of focus star. Seen with DV. Nice but faint.
NGC 0514	09/30/06	01:28 MDT	Seeing good, Sky steady. Transparency Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, round uniformly lit smudge of light.
NGC 0604	09/30/06	03:26 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very bright, vertical, oval glow to lower left of center of M33, yet can see its on the glow of the spiral arms. 604 is a whole lot brighter than most of the glow of arms of M33. Its just above a brighter field star that makes a triangle with 2 other stars, with the long side of triangle pointing away from 604. Its not as bright as the core of M33 though.
NGC 0636	10/01/05	1:40 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round dim glow with relatively brighter nucleus. Nucleus is larger than tiny. Easy to see.
NGC 0660	9/20/2006	02:03 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim, linear (boxy) shaped galaxy that is uniformly lit.
NGC 0665	9/20/2006	01:54 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, very dim round glow. W/AV see tiny brighter nucleus.
NGC 0672	10/23/06	22:29 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Larger, long flat oval. Pretty uniformly lit. Easy to see with DV. Goes from 2 to 8 o'clock in FOV.
NGC 0706	9/20/2006	01:45 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim, round glow. W/AV see nucleus area is tiny and brighter than glow.
NGC 0718	9/20/2006	01:34 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round to oval shape with tiny bright nucleus seen with AV sitting in middle of halo glow.
NGC 0741	9/20/2006	01:40 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim glow. Oval. Mottling seen on central part of glow.
NGC 0821	09/30/06	01:34 MDT	Seeing good, Sky steady. Transparency Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Brighter, round glow with larger, brighter nucleus glow seen. Saw with DV. To 8 o'clock side and just near it is a very bright field star.

NGC 0890	09/30/06	02:44 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Tilted oval. Seen with DV. Dim. Has larger little brighter core. Surrounded by dim halo.
NGC 0896	09/29/06	23:27 MDT	Seeing good, Sky steady. Transparency Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim glow. Fairly large though in 19mm EP. It's an arc of a glow with top and bottom a hare brighter than central part, which is almost unnoticeable. Seen w/AV and need to study field and with UHC filter. Brighter field star at top end on arc. Its very hard to see though.
NGC 0925	09/30/06	02:29 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very large, tilted oval. Dim, yet there is a texture to glow that resembles maybe dust lanes. Book says spiral arms seen. This mottling on glow could be hint of spiral structure. Fills almost all FOV of 19mm in diameter. Nice!!!
NGC 0991	09/30/06	04:10 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, round, uniformly lit smudge of light. Dim field star sits at 1 o'clock at end of glow.
NGC 1003	10/23/06	23:23 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very thin, long, uniformly lit sliver of light. Nestled between 2 field stars. Seen with DV.
NGC 1012	09/30/06	02:02 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Thin oval seen w/DV. Brighter, tiny stellar core seen on a larger, little dimmer nucleus glow with hint of a very faint halo around this.
NGC 1032	10/23/06	21:37 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Flattened oval with noticeably brighter central core area. There is a field star at right end of halo glow.
NGC 1035	09/30/06	04:03 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Linear and flat (cigar shaped). Very dim. Seen with DV. Uniformly lit. With AV, can see there are 2 very faint points of light at each end of the linear glow, on the glow.
NGC 1045	09/30/06	04:00 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim oval with little brighter, tiny core seen with AV in center of dim, glowing halo.
NGC 1058	10/23/06	23:16 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Larger, very round, faint uniformly lit glow.
NGC 1060	09/30/06	02:13 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, oval shaped glow, with tiny, faint (seen w/AV) stellar core. Halo glow seen with DV.
NGC 1070	10/23/06	21:31 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim circular shaped glow with hare brighter, larger core area seen. Seen with DV. Best seen with AV.

NGC 1073	10/23/06	21:46 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, faint, long oval smudge of uniformly lit light.
NGC 1087	10/23/06	21:59 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice round uniformly lit glow. Easy to see with DV.
NGC 1090	10/23/06	21:59 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Its to the lower right of 1087 and in same FOV and near it. It's a very faint linear shaped smudge of light.
NGC 1114	09/30/06	03:38 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - A very dim, long, flat oval shape. Can see with DV, but easier with AV. Uniformly lit and very dim.
NGC 1156	09/30/06	01:55 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Round to oval shaped glow. Large, little brighter nucleus seen and dims slowly to edge. Very bright field star to 7 o'clock side of glow and right at the edge of the glow.
NGC 1161	10/23/06	23:31 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim round glow with hare brighter core seen. See it with DV.
NGC 1162	10/01/05	3:19 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round dim glow with a tiny, stellar nucleus seen in center.
NGC 1169	10/23/06	23:15 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round to oval shaped halo glow with larger, brighter nucleus seen in center of the glow.
NGC 1172	10/01/05	3:40 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round dim glow with a tiny, stellar nucleus seen in center.
NGC 1175	10/23/06	22:33 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very small, edge on with tiny brighter nucleus seen. Best seen with AV.
NGC 1184	09/29/06	22:52 MDT	Seeing good, Sky steady.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Brighter galaxy that is edge on. Its small, yet long and slender. Middle area is brighter and linear. A small, brighter nucleus seen. Not a point. Halo glow around this is very dim.
NGC 1187	10/23/06	23:43 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Large, faint oval glow with hint of a hare brighter, large core area in center of glow. Seen with DV.
NGC 1193	10/23/06	22:58 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim round glow seen with AV. Pretty faint. It's a uniformly lit glow, even with 9mm eyepiece.

NGC 1199	10/01/05	3:40 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - About the same as 1172. Small, round glow with tiny, relatively brighter nucleus.
NGC 1207	10/23/06	23:09 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, small found glow with hare brighter core area seen. See with DV. Best seen with AV.
NGC 1209	10/01/05	3:40 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Oval glow with relatively brighter, compact nucleus seen on glow.
NGC 1325	09/30/06	03:51 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Dim, linear shaped, uniformly lit smudge of light with brighter field star on rhs of glow of galaxy.
NGC 1332	09/30/06	03:51 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Little over 1 FOV to right of NGC 1325 is this much brighter galaxy. Nice and bright, tilted oval seen. Larger, brighter core see with dimmer halo around it. Core brightens to a much brighter tiny core.
NGC 1348	02/20/07	21:25 PM	Seeing Fair. Sky steady. Transparency Fair.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - 8 very dim stars seen. 1 brighter, 3 a bit dimmer and 4 more very faint. There is an arrow of stars just above it and just out of the FOV of 19mm EP that points to it. The arrow is made up of 5 brighter stars, 3 on rhs and 2 on lhs with no apex star of arrow. Re-llok at this on 3/11/07. 8 brighter and 3-4 more very faint stars makeup this boxy shaped OC. Hint of a glow seen underneath bottom rhs where the faintest stars are seen. Arrow of stars above it and to the right points right at it. Faintest stars seen with AV.
NGC 1353	10/23/06	23:47 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Long, thin edge on with hare brighter core region seen at center of edge on glow. Seen with DV.
NGC 1400	10/23/06	23:52 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round dim glow with tiny, brighter core. To right, in same FOV and near is NGC 1407. A larger, brighter round glow with brighter, large core seen. Its just a bigger version of 1400.
NGC 1421	10/24/06	00:03 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - See with DV. Long, thin, well defined sliver of uniformly lit light.

NGC 1491	02/20/07	21:44 PM	Seeing Fair. Sky steady. Transparency Fair.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, round glow with faint field star almost centered on glow. About the limit of what the sky will show now. UHC filter shows the nebulosity nicely. Easy to see with DV. Brighter with UHC and round. Nebulosity appears to be a bit brighter on upper right side of the star, that is, the field star is to the lower left of center of the glow. Re-look at this on 3/11/07. Bright star at bottom edge of a nebulosity glow. Glow extends in a 1/2 circle above star and leaning to the right. UHC filter shows it nicely with brighter part of nebula near star and dims slowly to the edge. Quite large with UHC. See it with DV and without filter but not as nice. Stands out in FOV.
NGC 1507	10/24/06	00:30 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, cigar shaped uniformly lit glow. Small, Best seen with AV.
NGC 1514	02/25/06	20:50 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Best with OIII. Soft round maybe slightly oval glow with brighter central star in middle of glow. w/o OIII, see central star and a hint of a glow around it. Nice.
NGC 1579	03/11/07	22:43 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, irregular shaped glow of light with it being brighter in center of glow. 2 field stars just below it and to the left. UHC didn't make it any better. Its in the NE and there is a haze of clouds over here, being lit up from the sky glow of Denver. This was still easy to see with DV though.
NGC 1582	03/11/07	20:54 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	80x - 20+ stars of approx 3 magnitudes fills FOV of 32 mm EP with a nice S shape to the line of stars. Nice!!!. The S is orientated on its back from about 10 o'clock - 4 o'clock. Then on 3/17/07 at 8:18 PM MDT, Re-look at this to see the backwards S, which I didn't think I saw before. Maybe its there. The brightest stars make a funky S, the 20 or so stars of the brighter magnitudes. This OC sits in a star rich field of much dimmer stars that number over 30+. Nicely fills FOV of 32mm eyepiece. The brightest stars match pattern on my finder chart.
NGC 1587	02/04/05	18:34 MST	Seeing OK Sky steady.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Small, dim glow with hare brighter central region. Very faint field star at 4 o'clock and near galaxy glow.
NGC 1600	10/24/06	00:39 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, easy to see oval shape galaxy with brighter, tiny core seen in center of halo glow.
NGC 1605	03/11/07	22:35 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - This was nice. A small pentagon of 5 stars, 4 easy to see but very faint and fifth seen once in a while with AV. This pentagon sits on a small, faint glow underneath it.

NGC 1618	10/24/06	00:33 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, small, cigar shaped, uniformly lit glow. See with DV.
NGC 1624	02/20/07	22:01 PM	Seeing Fair. Sky steady. Transparency Fair.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - 7-8 very faint stars seen on a round, dim glow of nebulosity. UHC filter shows round nebulosity better. Best seen with AV. Very small in 19mm FOV yet stands out. 4-5 of the stars seen are in a tight grouping, with rest up right side. Didn't perceive the "L" shape. Re-llok at this on 3/11/07. 10-12 stars of approx 3 magnitudes makeup this OC in the shape of a large arrow or 'L'. The corner of the L/arrow head are the 3 brightest stars of the OC and there is a nebulosity that glows in this area that is the brightest near these stars. With the UHC filter, see a glow that extends to much of the area of the stars of the L with a circular shape to the glow. The OC and nebulosity is small but stands out in FOV with DV.
NGC 1637	02/04/05	18:59 MST	Seeing OK Sky steady.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Much larger, circular glow than above 2 galaxies by about 3-4 times. Uniformly lit. No nucleus glow seen.
NGC 1662	10/24/06	01:56 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - 20 or more stars, very blue white in color, of 3 magnitudes make a long, cursive W shape. Brightest of 3 magnitudes are very bright stars.
NGC 1663	10/24/06	02:01 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - 8 faint stars for a capital C with 3 more stars of same magnitude forming a line on upper left backside of C, near it but not touching the C. The C opens towards the lower right of FOV or the 4 o'clock direction.
NGC 1700	02/04/05	18:55 MST	Seeing OK Sky steady.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Small round dim glow with much brighter nucleus on glow. Every once in a while, the central glow of nucleus goes star like.
NGC 1750	02/03/05	21:00 MST	Seeing good. Sky steady. Transparency good.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - In an area of very bright blue-white stars is nestled this much dimmer knot of stars. Fills FOV of 19mm. 30-40 stars of approx 3 mags makeup this somewhat tight area (stars on left hand side of FOV) with several looser ones on right hand side.
NGC 1762	03/05/05	19:12 MST	Seeing OK, Sky steady. Somewhat Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very small, round dim halo with a brighter nucleus. There is another very faint star on the halo glow, just below the nucleus glow.
NGC 1778	03/04/05	21:22 MST	Seeing OK, Sky steady. Somewhat Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 8-10 bright blue white stars makeup this OC. Very loose and boxy in shape. Matches picture in Night Sky, pg 53, Fig. 5.7.
NGC 1779	10/24/06	00:45 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, very dim circular halo glow with brighter, stellar core seen in center of glow.
NGC 1832	02/03/05	19:26 MST	Seeing good. Sky steady. Transparency good.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Small, round, very dim glow with a tiny, much brighter stellar nucleus. The galaxy is situated to the left of a brighter FS.

NGC 1883	02/03/05	22:28 MST	Seeing good. Sky steady. Transparency good.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Very small, compact glow. w/AV can see 10 or so very faint member stars on this glow. Had to read about it in the Night Sky to know what to look for.
NGC 1977	02/03/05	22:55 MST	Seeing good. Sky steady. Transparency good.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Heart of the Orion nebula. I can see all 6 stars in the Trapezium. The seeing is excellent. The sky is steady at 29.5 degrees. Gas wisps off to left and right and much contrast see in the cloud tonight. One of my best views ever of this. Many of the stars outside the main gas complex shows halos around them while others light up curtains (filaments) of gas in their area. Awesome view...
NGC 1990	02/03/05	22:45 MST	Seeing good. Sky steady. Transparency good.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - A glow about the bright, middle belt star in Orion. This was best seen with the H-Beta filter.
NGC 2023	02/13/88	21:28	Seeing good. Sky steady. Transparency good.	Atoka, OK. Nice, Dark Site.	12.5" f/8 Newtonian	40mm - Faint nebulosity east of Lambda Orionis. Cut across middle with large dust lane. Each piece was broken with more dust lanes. Lambda Orionis had a halo around it where star lights up the gas and makes it glow.
NGC 2071	02/04/05	19:40 MST	Seeing OK Sky steady.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Found M78. Nice soft glow. Quite large in FOV with 2 field stars on lhs of glow. Straight below this in same FOV is a field star with a nice halo glow around it. This field star is the same magnitude as the 3 on M78. The glow around the star was easy to see.
NGC 2112	01/17/04	21:33 MST	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very large in 19mm but real dim. Approx 8 stars much brighter than the rest which are VERY dim yet most can easily be seen on top of their combined glow. Many dim stars makeup this OC.
NGC 2139	02/03/05	20:42 MST	Seeing good. Sky steady. Transparency good.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Small, oval, <u>very</u> dim glow but not uniformly lit. Hare brighter in the middle, but almost uniform though.
NGC 2170	02/04/05	19:48 MST	Seeing OK Sky steady.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - A dim glow surrounding a brighter field star. The star about it also has a much smaller halo around it. Stands out because other stars in the FOV didn't have this halo around them.
NGC 2182	01/17/04	21:54 MST	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Many bright stars in the area have a halo around them yet you move a bit more away from this area and the halo around the stars are gone. This halo was quite noticeable.
NGC 2192	03/04/05	21:35 MST	Seeing OK, Sky steady. Somewhat Clear.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Boxy oval in shape. 15-20 very faint stars shine on top of this dim glow. 3 much brighter field stars to left side with top most star a red colored star.
NGC 2196	03/04/05	19:41 MST	Seeing OK, Sky steady. Somewhat Clear.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Small, round, very dim glow. Faint even with AV. Just to the east of a line of 3 stars.
NGC 2236	02/04/05	20:00 MST	Seeing OK Sky steady.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - This one was hard to pinpoint. In a very star rich area, found (matches description in Night Sky) a dim glow with brighter field star in center and 5-6 much dimmer stars on glow. Didn't see fainter member stars as description indicated I might be able to.

NGC 2245	01/17/04	22:58 MST	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Nebulosity around a bright, yellow colored star.
NGC 2252	01/17/04	22:16 MST	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 23+ stars forms a comma shape on its back with the long tail moving off to the right. These were bright, blue white stars. Easy to see in the surrounding star field.
NGC 2253	10/24/06	02:41 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - 5-8 very bright blue-white stars makeup this OC. Book says rectangular in shape but its so loose that I didn't see this boxy shape. What I see in FOV matches a picture I have of it. Has 3 magnitudes of stars, of which 3 stars are very bright with respect to others in OC and are in a line.
NGC 2254	01/17/04	21:58 MST	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 10-20 dime, same magnitude stars form this OC. Loose and large association of stars. 8 stars in the center of cluster forms a crescent shape. I would not have noticed this crescent shape if I had not read it in the guide. Once noted, I could see it but could have easily been overlooked.
NGC 2259	02/04/05	20:41 MST	Seeing OK Sky steady.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Larger glow than others I have seen tonight. Several very faint member stars seen on the glow w/AV. On bottom edge of circular glow are 2 brighter, double field stars, the one on the right much brighter than left one.
NGC 2261	10/05/02	4:07 MDT	Seeing good, Sky steady. Very Clear.	Okie-Tex Star Party. Kenton, OK. Nice, dark skies.	12.5" f/8 Newtonian	Fan shaped cone w/star easily seen at apex. Both 19 and 32 easily showed this object.
NGC 2269	02/04/05	20:59 MST	Seeing OK Sky steady.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Very faint boxy glow with several brighter field stars bordering this glow. No members stars seen on glow.
NGC 2274	03/05/05	22:29 MST	Seeing OK, Sky steady. Somewhat Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	16" f/4.5 Newtonian	150x - Small round glow w/brighter starlike nucleus. Looks like a star with a halo around it. Right below and to the left is NGC 2275, an elongated sliver of uniformly lit light.
NGC 2283	02/20/07	19:27 PM	Seeing Good. Sky steady. Transparency good.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim. Hard to see round glow. Glow is uniformly lit. 4 field stars bound the glow with 2 brighter ones on the 10 and 4 o'clock side and then much dimmer ones at 12 and 6 o'clock. Re-look at this on 3/11/07. Very faint, circular glow in between 2 brighter field stars that bound it on either side. Seen with AV.
NGC 2302	01/17/04	22:50 MST	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Approx 20 bright blue-white stars makeup this large, loose OC. Approx 8 stars on 4 o'clock side for a tighter grouping of stars than the rest.
NGC 2309	01/20/04	21:41 MST	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 8 or so bright blue-white stars on top of a small, compact glow. These 8 stars match in magnitude of other stars in the area, which may also be part of this OC, but I think it's the glow underneath these 8 stars that is the OC I am looking for.

NGC 2316	02/20/07	18:58 PM	Seeing Good. Sky steady. Transparency good.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Near M50. Dim, round patch of glowing light. Small. Easy to see with DV. Triangle of 3 faint stars above point at it and appears to be a faint star on glow at bottom right edge. Nice. Glow seems to be a bit brighter right in center of nebulosity.
NGC 2331	03/04/05	20:18 MST	Seeing OK, Sky steady. Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, somewhat compact. OC. Approx 30 blue-white stars of approx same magnitude plus several more of a dimmer magnitude. Very bright FS to the west at edge of FOV. More stars on this side (west side) of center than other side. Nicely fills FOV of 19 mm.
NGC 2339	03/05/05	22:33 MST	Seeing OK, Sky steady. Somewhat Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - A larger round glow. Uniformly lit. Has a brighter little field star to lower left on glow at edge at 7 o'clock.
NGC 2346	02/25/06	20:50 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	19mm. With OIII see a small oval, almost round glow with brighter central star on glow. w/o OIII, can see central star with a hint of halo around it.
NGC 2347	04/01/05	20:34 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very faint sliver of light but easy to see. Nice edge on galaxy.
NGC 2359	01/17/04	20:38 MST	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Thor's Helmet. Glowing gas forms this shape. Later in the evening, had lost this contrast and was not this easy to see. Saw in Bill Possel's 14 inch.
NGC 2366	10/24/06	02:56 MDT	Seeing great. Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - A dim, oval, uniformly lit smudge of light. A bright field star sits at lhs of glowing halo. Sort off looks like it's a stellar nucleus, but its not.
NGC 2367	03/04/05	20:51 MST	Seeing OK, Sky steady. Somewhat Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Forms an upside down Y with 8 or so brighters blue stars with on a close double. There are 3-4 fainter stars and then a glow in the bowl of the Y.
NGC 2374	04/01/05	20:19 MST	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 12 bright blue white stars form an hour glass shape with a hint of 5-6 much fainter stars on the upper part of the hour glass. Top 2 stars are the brightest of all in this OC.
NGC 2396	02/04/05	21:36 MST	Seeing OK Sky steady.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - Approx 28 stars of same magnitude with more on rhs and less on lhs of an off-color (pale white) star. Approx 20 other stars in group of a lesser magnitude. At bottom of FOV is a much brighter field star.
NGC 2414	04/01/05	19:59 MST	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Several very dim stars form a line or two with a much brighter yellowish star centered on one of the lines. All these stars are of the same magnitude. Approx 15-20 stars seen. 19mm.
NGC 2415	03/11/07	23:48 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round dim glow. Looks like an out of focus star. Its tucked in a line and flanked by 2 very faint field stars and a much brighter star to its lower left. Can barely see it with DV and best with AV.
NGC 2432	04/01/05	19:36 MST	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	20" f/4.5 Newtonian	In Bill Possel's 20 inch scope, 150x. A line of approx 16 stars of same mag. With a knot of them in the middle forming a box.

NGC 2467	02/03/05	23:01 MST	Seeing good. Sky steady. Transparency good.	John Martin State Park. Southern Colorado. Nice Dark Skies.	12.5" f/8 Newtonian	134x - A dim, yet easy to see glow. Quite large in 19 mm. Has bright star in bottom 1/3 of glow. Most of glow above (N) of star, which also is the brighter part of this nebula.
NGC 2493	03/11/07	23:54 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Larger, round, very faint halo, yet can see its there with DV. With AV, can see a bit brighter, tiny nucleus in center of faint halo glow.
NGC 2500	03/12/07	12:10 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Large, fat oval. Dim, yet easy to see with DV. Uniformly lit glow.
NGC 2525	02/20/07	19:20 PM	Seeing Good. Sky steady. Transparency good.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim. Seen with DV. Uniformly lit, fat oval glow with 2 dim field stars on top and bottom of glow. It's a larger oval, not tiny.
NGC 2541	03/12/07	12:06 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, larger, slightly oval, uniformly lit smudge of light. Barely able to see it w/AV.
NGC 2610	02/25/06	21:37 MST	The sky is steady and the seeing is OK	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very dim, round glow to upper left of very bright, blue-white field star. Best seen with OIII. Nice round uniformly lit glow. w/o OIII, can see glow, but not as good. Se a couple of very dim field stars on lower part of glow that are not seen with OIII filter.
NGC 2639	03/12/07	12:15 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Long, slender oval. Bright. Easy to see with DV. Has small, brighter nucleus. Maybe a field star on halo glow below nucleus. Thought I saw 2 dots on halo glow.
NGC 2756	03/12/07	12:21 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Oval shaped. Dim halo with bit brighter tiny nucleus seen with DV, Better seen with AV.
NGC 2765	02/26/06	00:40 MST	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very dim oval. Can tell its not circular with hare brighter nucleus. Almost stellar.
NGC 2781	03/11/07	22:53 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, brighter galaxy with small, bright core surrounded by dim halo. Easy to see with DV.
NGC 2784	03/11/07	23:12 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice. Long fat oval with brighter tiny core and larger, bit dimmer central region and can see it tapers at each end from 9:30 o'clock to 3:30 o'clock in EP to a dim halo glow. Seen with DV.
NGC 2805	04/17/07	20:39 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Large, dim, oval glow. Uniformly lit. See it barely with DV.
NGC 2855	03/11/07	22:14 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim round glow with hint of a hare brighter central region. Pretty uniformly lit though. Easy to see in FOV with DV.

NGC 2880	04/17/07	20:30 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, dim glow with brighter, tiny core. Nestled in amongst 7 others very faint stars and stands right out with DV. Looks like an out of focus star.
NGC 2889	03/11/07	22:15 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Elongated oval. Faint. Uniformly lit. Seen with DV. Easy to see. Pretty featureless.
NGC 2986	03/11/07	23:04 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round dim glow with tiny stellar core seen on center of glow. Easy to see with DV.
NGC 3065	04/17/07	20:45 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round glow. Easy to see with DV. Tiny, bright stellar core seen in middle of faint halo glow. In same FOV as NGC 3066.
NGC 3067	04/21/06	00:47 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Long, flat oval. Uniformly lit. Maybe a hint of a hare brighter nucleus w/AV otherwise, its uniformly lit.
NGC 3073	04/17/07	21:17 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Just below NGC 3079 and near it in same FOV is this very dim, uniformly lit, round glow of a smudge of light. Seen with AV although when you wiggle the scope, your eye is attracted to it with DV.
NGC 3078	03/11/07	23:23 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, dim with tiny, brighter stellar core. Pretty uniformly lit though. Seen with DV.
NGC 3107	04/01/05	21:12 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian 20" f/4.5 Newtonian	134x - Very small, dim glow to the left of a brighter orange star. In Bill's 20 in at 250x, dim glow was easy to see. It appeared to be oval to round in shape. In my scope, maybe a hare brighter nucleus area with AV seen.
NGC 3145	03/11/07	22:57 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim, round galaxy with dim, tiny stellar core seen. Next to lambda Hydra and had to put this very bright star just out of the FOV to see this galaxy which put the galaxy near the edge of the FOV, not making it easy to study. Seen with DV. A tiny brighter core seen with AV.
NGC 3156	02/21/06	1:10 MST	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - A very faint, linear smudge of light at the end of a chain 3 stars. Hare brighter nucleus seen. Just a brighter glow.
NGC 3158	04/20/06	23:59 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – A dim round glow with much brighter nucleus that is larger than stellar. It IS nestled in the middle of a triangle of 3 faint stars. Nucleus best seen w/AV.
NGC 3162	03/05/05	23:25 MST	Seeing Good, Sky steady. Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	16" f/4.5 Newtonian	150x - Small, round glow with maybe a hare brighter nucleus. Very faint field star at 12 o'clock just above and outside the glow of the halo.

NGC 3177	03/05/05	23:33 MST	Seeing Good, Sky steady. Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	16" f/4.5 Newtonian	150x - Very small, round dim glow with maybe 2 stars on bottom part of the glow.
NGC 3225	04/17/07	21:11 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, very dim smudge of uniformly lit light. Seen with AV.
NGC 3254	04/20/06	23:36 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Nice. Large oval with larger, hare brighter nucleus region. At first glance, looked like a mini and dimmer M104.
NGC 3274	04/20/06	23:41 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, dim flat oval shape. Uniformly lit. No nucleus glow seen.
NGC 3301	04/01/05	21:26 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian 20" f/4.5 Newtonian	134x - Little brighter than most galaxies I have seen lately. Nice edge-on with large nucleus bulge with a brighter nucleus core. Tiny halo arms extend from each side of nucleus. In Bill's 20 inch at 250x, nice oval shape with large nucleus glow and halo around it and tapes off nicely into the arms. Hint of a dust lane w/AV thru nucleus glow bisecting it in half.
NGC 3319	04/21/06	00:59 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Large, very dim oval that is uniformly lit.
NGC 3338	04/01/05	21:38 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Large, oval to circular shaped galaxy that is uniformly lit, yet a dim smudge of light. Just below a bright orange field star. Easy to see though.
NGC 3359	04/17/07	21:01 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Large, oval shaped, dim glow. Has a hare brighter core seen that is linear and near center of glow. There is a tiny, relatively brighter point in this linear core. Glow is pretty uniformly lit although there is a hint of texture. Nice one!!!
NGC 3424	03/05/05	22:56 MST	Seeing OK, Sky steady. Somewhat Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	16" f/4.5 Newtonian	150x - Two Galaxies right next to each other. Small ovals almost touching but can be separated. Both have star like brighter nucleuses, seen with AV. Above 3424 are 3 other dim, uniformly lit smudges of light. 3413 is linear, 3395 is oval and the largest, 3396, is circular in shape. These 3 are much fainter than 3430 and 3424.
NGC 3430	03/05/05	22:56 MST	Seeing OK, Sky steady. Somewhat Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	16" f/4.5 Newtonian	150x - Two Galaxies right next to each other. Small ovals almost touching but can be separated. Both have star like brighter nucleuses, seen with AV. Above 3424 are 3 other dim, uniformly lit smudges of light. 3413 is linear, 3395 is oval and the largest, 3396, is circular in shape. These 3 are much fainter than 3430 and 3424.

NGC 3507	04/20/06	22:11 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Nice, bright star like core surrounded by dim halo that tapers off to points on top and bottom. Halo very dim and most of what is seen is oval about nucleus.
NGC 3511	03/12/07	12:42 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice. Long, linear shaped. Halo easily seen and hint of a hare brighter core. In same FOV and below 3513 and to left. Seen with DV. 3511 is a bit brighter than 3513.
NGC 3513	03/12/07	12:42 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Roundish in shape. Uniformly lit. Easy to see with DV. In same FOV as 3511 and above it to the right. 3511 is a bit brighter than 3513.
NGC 3516	04/17/07	20:52 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, dim halo glow with very bright, stellar core in center of glow. Looks like an out of focus star. A similar magnitude field star is just above it and it's a pin point where this galaxy definitely has a glow around core.
NGC 3524	04/20/06	23:04 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, round, easy to see glow with hare brighter, maybe stellar nucleus. But nucleus is very dim.
NGC 3547	04/20/06	23:02 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, very dim round uniformly lit smudge of light.
NGC 3583	04/17/07	21:56 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, dim glow with hint of a brighter core area.
NGC 3585	03/12/07	12:54 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice. Round. Bright. Relatively brighter core that dims slowly into halo glow.
NGC 3596	04/01/05	21:44 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Large, oval-round smudge of light. Easy to see though. W/AV, a hint of a brighter nucleus in center of round glow.
NGC 3599	02/21/06	1:34 MST	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	Very faint, round smudge of light with brighter nucleus glow and at time a stellar point on glow. Just to east are 3 circular glows, with the middle one the brightest (3607) the lower one 2nd brightest (3608) and the top one the dimmest. Larger 2 have nice bright nucleus with a bit of halo around them seen. 3605 has a time, dim, yet stellar nucleus seen on a very dim glow. All this seen with 19mm eyepiece.
NGC 3605	02/21/06	1:34 MST	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	Very faint, round smudge of light with brighter nucleus glow and at time a stellar point on glow. Just to east are 3 circular glows, with the middle one the brightest (3607) the lower one 2nd brightest (3608) and the top one the dimmest. Larger 2 have nice bright nucleus with a bit of halo around them seen. 3605 has a time, dim, yet stellar nucleus seen on a very dim glow. All this seen with 19mm eyepiece.

NGC 3611	04/01/05	22:24 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round, very dim glow with tiny, relatively brighter stellar nucleus. Its to the right of a bright field star.
NGC 3622	04/17/07	22:21 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, very dim oval glow with hint of a tiny, little brighter nucleus seen on glow.
NGC 3636	05/24/06	21:55 MDT	Sky is steady. Seeing is Poor. Transparency is Good. Stars are fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- 2 small galaxies near each other with bright field star between them and to right. 3636 is a small, round dim glow with a tiny, bright stellar nucleus. 3637 is larger and round glow with tiny bright stellar nucleus in center. Both easy to see. 3636 above and to above left and nearer to field star and 3637 to lower left and a bit farther away. Nice pair.
NGC 3637	05/24/06	21:55 MDT	Sky is steady. Seeing is Poor. Transparency is Good. Stars are fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- 2 small galaxies near each other with bright field star between them and to right. 3636 is a small, round dim glow with a tiny, bright stellar nucleus. 3637 is larger and round glow with tiny bright stellar nucleus in center. Both easy to see. 3636 above and to above left and nearer to field star and 3637 to lower left and a bit farther away. Nice pair.
NGC 3642	04/21/06	1:42 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Very bright stellar nucleus surrounded by a dim halo. Circular in shape.
NGC 3646	04/20/06	21:58 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) - Nice. Large, flat oval. Uniformly lit with maybe a hint of a tiny nucleus. w/AV, see something of a brighter nucleus. Very large though. Stands right out in FOV.
NGC 3652	04/21/06	00:26 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, dim oval. Uniformly lit. No nucleus brightening seen.
NGC 3659	04/20/06	22:30 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, round, dim uniformly lit glow. No brighter nucleus area seen.
NGC 3666	04/01/05	22:03 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, oval glow with hare brighter nucleus seen.
NGC 3668	04/17/07	22:07 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, very dim round glow seen with AV. Pretty uniformly lit with hint of a speckling (texture) on the glow.
NGC 3669	04/21/06	1:19 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Dim, linear sliver of uniformly lit light.
NGC 3672	03/06/05	1:14 MST	Seeing Good, Sky steady. Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	16" f/4.5 Newtonian	150x - Larger oval, cigar shaped galaxy. Uniformly lit sliver of light. On 5/24/06, at 22:01 MDT, , with my 12.5" f/8 newtonian, 134x (19mm)- Nice, larger oval glow. Maybe linear in shape. Pretty uniformly lit. Maybe central bulge with drawn out ends. Pretty dim. Best seen with AV.

NGC 3681	04/20/06	22:23 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - It's the first one from a bright field star. Small, round glow with brighter nucleus region. All 3 galaxies are easy to see, Next to 3684 and 3686.
NGC 3682	04/17/07	22:16 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim oval with larger, bit brighter nucleus in middle of dim halo glow.
NGC 3683	04/21/06	1:16 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, dim uniformly lit oval.
NGC 3689	04/20/06	22:48 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Nice round glow. Dim. w/AV see small, hare brighter stellar nucleus.
NGC 3693	03/12/07	12:50 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, almost invisible. Oval. Uniformly lit smudge of light.
NGC 3705	04/01/05	22:16 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, oval shaped with bright, large nucleus glow. Surrounded by a easily seen halo glow. Nucleus is larger than stellar and very bright compared to halo.
NGC 3732	05/24/06	22:07 MDT	Sky is steady. Seeing is Poor. Transparency is Good. Stars are fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Small, round easy to see glow. Has larger brighter core with small amount of halo around it.
NGC 3756	04/21/06	1:09 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Another large oval but this one is brighter than 3319. Dim. Uniformly lit.
NGC 3887	03/06/05	00:43 MST	Seeing Good, Sky steady. Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	16" f/4.5 Newtonian	150x - Larger, circular glow. Uniformly lit. No nucleus low seen. NGC 3836 Then at 2 o'clock from this one, but near it is a very faint glow. On 5/24/06, 22:1\24 MDT, with my 12.5" f/8 newtonian, 134x (19mm)- Larger, round, maybe flattened oval, dim, uniformly lit glow of light.
NGC 3892	05/24/06	22:17 MDT	Sky is steady. Seeing is better. Transparency is Good. Stars are more like pinpoints.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Round dim glow with a larger nucleus area that is mottled. Most of what can be seen is nucleus.
NGC 4013	04/17/07	21:27 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice, tilted oval which is pretty uniformly lit and a very bright stellar nucleus in center of glow. Almost looks like a bright field star sitting in front of this galaxy but its not. Easy to see with DV. Nice surprise.
NGC 4024	03/06/05	00:40 MST	Seeing Good, Sky steady. Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	16" f/4.5 Newtonian	150x - Very much like 4039. Very small circular glow with hare brighter nucleus. Not as bright as 4039 though.
NGC 4039	03/06/05	00:38 MST	Seeing Good, Sky steady. Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	16" f/4.5 Newtonian	150x - Small, dim circular glow with very bright stellar nucleus.
NGC 4045	04/17/07	01:37 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - In same FOV as NGC 4073 and to its right. Dimmer. Linear, uniformly lit glow. Situated from 1 to 7 o'clock in FOV. Both stand out in FOV nicely.

NGC 4047	04/17/07	23:46 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, dim glow with hint of a hare brighter core.
NGC 4062	04/17/07	21:49 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - A large, cigar shaped, uniformly lit glow. Easy to see with DV. Stands right out in FOV.
NGC 4073	04/17/07	01:37 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Linear, dim glow. See with DV but see a brighter core area with AV and dim halo surrounding it. Slanted from 10 to 4 o'clock in FOV. In same FOV as NGC 4045.
NGC 4096	04/17/07	22:57 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Long, edge on linear sliver of light. See central bulge and tapers out at ends. Pretty uniformly lit with central part brighter than extended arms which are a hare dimmer. Nice.
NGC 4100	04/17/07	23:04 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Dim, uniformly lit cigar shaped glow. Hint of hare brighter core seen. Stands on in FOV with DV. Description in book says round, but am on the field where galaxy is and its cigar shaped.
NGC 4105	03/12/07	1:09 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small and round. Very bright tiny core surrounded by a bit of halo. In same FOV as 4106. Both easy to see with DV.
NGC 4124	04/17/07	03:24 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Elongated oval, cigar shaped. Easy to see and has hare brighter central region than the ends where the halo is best seen.
NGC 4133	04/17/07	22:35 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, very dim oval glow seen with DV. With AV can see it has a bit brighter tiny central core.
NGC 4136	04/18/07	03:47 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Larger, round, dim, uniformly lit glow. Not much more detail seen. Seen with DV.
NGC 4138	04/17/07	21:44 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice, bright oval glow. Most of what is seen is bright nucleus glow. A hint of a very dim halo surrounds nucleus glow.
NGC 4144	04/17/07	23:22 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Long, thin, uniformly lit. dim sliver of light. Easy to see with AV.
NGC 4152	04/17/07	03:50 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, dim, uniformly lit glow seen with DV.
NGC 4157	04/17/07	23:50 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Long, skinny, uniformly lit sliver of light. A very bright blue white field star lies to the bottom right in FOV and at 5:30 o'clock. It is a bit away. This is a nice one.

NGC 4168	04/17/07	03:33 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round dim glow with hare brighter core seen. In same FOV as NGC 4189.
NGC 4169	04/18/07	03:44 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very small, round, dim halo glow with tiny, brighter nucleus seen. Looks like an out of focus star. See with DV.
NGC 4185	04/18/07	03:41 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Oval shaped. Very dim, uniformly lit glow. Maybe a hint of hare brighter central region.
NGC 4189	04/17/07	03:33 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - In same FOV and below NGC 4168 is a small, very dim uniformly lit glow of light. There is a faint field star to the right of this galaxy at 3 o'clock. NGC 4189 is the dimmest of the 3, the others being NGC 4168 and 4212.
NGC 4212	04/17/07	03:33 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Then to the lower left of NGC 4189 and approx 1 1/2 FOVs away is a uniformly lit, cigar shaped oval glow. Easy to see with DV.
NGC 4217	04/17/07	23:32 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Larger, dim, uniformly lit cigar shaped galaxy. Seen with AV.
NGC 4220	04/17/07	23:40 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice edge on galaxy with larger, brighter central region that dims quickly to extended arms that go from 12:30 to 6:30 o'clock in FOV.
NGC 4224	04/17/07	02:10 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Can put NGC 4235, 4233 and 4224 in same FOV and all stand out with DV. All 3 approx same brightness. This is to the left of NGC 4235 and is the dimmest of the 3. Cigar shaped and pretty uniformly lit.
NGC 4233	04/17/07	02:10 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Can put NGC 4235, 4233 and 4224 in same FOV and all stand out with DV. All 3 approx same brightness. This is below NGC 4224 and is a round, halo glow with brighter core that brightens to a tiny stellar core.
NGC 4235	04/17/07	02:10 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Can put NGC 4235, 4233 and 4224 in same FOV and all stand out with DV. All 3 approx same brightness. This is a dim, cigar shaped galaxy with hint of a brighter core.
NGC 4236	04/01/05	22:15 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	20" f/4.5 Newtonian	In Bill Possel's 20 inch scope, 250x. Large long and fat but very dim glowing galaxy. Fills 1 1/2 FOV. Very uniformly lit yet a bit difficult to see.
NGC 4237	04/17/07	03:46 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - A small, round, dim, uniformly lit glow that is easy to see with DV. Very bright blue white field star to lower right and a bit away at 4 o'clock to it.

NGC 4241	04/17/07	02:06 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, oval glow with hint of a hare brighter core. Bright field star is near it and above to the right.
NGC 4244	07/12/04	21:58 MDT	Seeing good, Sky steady. Windy.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Long, slender sliver of light. Easy to see with a/v. Approx 1/3 to 1/2 FOV in length. A satellite went right across the middle of it while I was looking at it. It was uniformly lit and dim.
NGC 4248	04/17/07	23:37 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - To lower left and at 7 o'clock from M106 is this very dim, larger oval shape, uniformly lit. It is just a nice glow.
NGC 4250	04/17/07	22:31 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round dim glow. With AV can see it has a hare brighter, tiny core in center of glow.
NGC 4256	04/17/07	22:25 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - NICE!!! Edge on with central region bit brighter and little bulge seen with tapered arms that extends a good bit from nucleus at 8 to 2 o'clock in FOV. Pretty dim though easy to see with DV. AV gives best view.
NGC 4260	04/17/07	01:50 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small and round. Bright. Easy to see with AV. Brighter central core seen with hint of dim halo surrounding it. In same FOV as NGC 4261 and NGC 4264.
NGC 4264	04/17/07	01:50 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - In same FOV as NGC 4260 and NGC 4261 and to the left of these is this linear, cigar shaped galaxy. Pretty uniformly lit with hint of hare brighter core.
NGC 4267	04/17/07	03:17 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Easy to see with DV. Nice. Small, round halo glow with tiny round, much brighter core in center.
NGC 4270	04/26/03	2:10 MDT	Seeing good, Sky steady.	North Sterling Reservoir State Park. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Is uniformaly lit and circular in shape.
NGC 4271	04/21/06	1:58 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – A long, slender sliver of dim light with tiny, hare brighter nucleus seen.
NGC 4290	04/21/06	1:52 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, round glow with larger, brighter nucleus seen in center.
NGC 4291	04/17/07	22:38 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Cigar shaped, dim halo glow with hare brighter core seen. In same FOV as NGC 4319. Its above and to left of 4319. Very bright field star to lower right of pair. Pair near each other in FOV.
NGC 4294	04/17/07	03:12 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Elongated cigar shaped small dim glow with hint of a hare brighter core. In same FOV as NGC 4299 and 4313. Can barely fit all 3 (NGC 4294, 4299 and 4313) in same FOV but they are all there at the very edge of the FOV.

NGC 4298	04/17/07	03:39 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Large, round, brighter uniformly lit glow. Easy to see with DV. A faint field star is just below it and at edge of glow. In same FOV and near NGC 4302. It doesn't touch but very near. Nice!!! I like this pair.
NGC 4299	04/17/07	03:12 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Just below NGC 4294 and 1 FOV away from NGC 4313 is a smaller, dim, uniformly lit round glow. This is the dimmer of the 3 and is near NGC 4294. Can barely fit all 3 (NGC 4294, 4299 and 4313) in same FOV but they are all there at the very edge of the FOV.
NGC 4302	04/17/07	03:39 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Just below NGC 4298 is a long, linear glow. It is uniformly lit and much dimmer than 4298. It doesn't touch but very near. Nice!!! I like this pair.
NGC 4310	04/18/07	03:27 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim, uniformly lit oval.
NGC 4312	04/17/07	03:56 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, cigar shaped oval with hint of a hare brighter core area.
NGC 4313	04/17/07	03:12 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - This is almost 1 FOV to the left of NGC 4294 and 4299 is this longer, elongated cigar shaped glow with hare brighter core area in center of glow. Can barely fit all 3 (NGC 4294, 4299 and 4313) in same FOV but they are all there at the very edge of the FOV.
NGC 4319	04/17/07	22:38 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, very dim halo with bright, stellar nucleus. Makes a corner of a square with 3 other faint field stars of similar magnitude. In same FOV as NGC 4291. Pair near each other in FOV.
NGC 4336	04/17/07	04:36 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, very dim oval glow. Uniformly lit. Barely able to see it with DV, but with AV, it gives it the best view.
NGC 4339	04/17/07	01:46 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Bright, easy to see with DV. Round glow with brighter core and stellar nucleus seen in center of core glow. Hint of halo seen around central core glow.
NGC 4340	04/17/07	04:30 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice. Tilted oval with nice bright tiny core surrounded by a bit of dimmer halo that tapers off to the ends at 8 and 2 o'clock.
NGC 4343	04/17/07	02:00 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Elongated oval with small, bright central region seen with halo around it that tapers off the top and bottom of this galaxy a bit.
NGC 4359	04/18/07	03:59 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, linear sliver smudge of light. Very hard to see. By wiggling scope, can see its there.

NGC 4369	04/18/07	04:15 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, dim halo glow with small, brighter core seen in center of glow. Stands out in FOV with DV.
NGC 4379	04/17/07	03:56 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round glow with tiny brighter core seen on center of glow. Easy to see with DV.
NGC 4395	04/18/07	04:06 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very large, very dim oval glow of light. Can tell its mottled for it is not uniformly lit. I see the 4 very dim framing stars for they are just outside the glow. There is a 5th little brighter star on rhs of glow and set in a bit from that edge's framing star line.
NGC 4487	04/17/07	00:09 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Larger, very dim glow. Fat oval in shape. Uniform brightness. Has 2 faint field stars at out edge of glow at 6 and 4 o'clock side. These stars are well away from halo glow though.
NGC 4519	04/17/07	02:22 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Large, roundish dim glow with mottling seen. Nice bright edge on. Brighter core and central bulge and tapers and dims slowly on each side into extended halo arms.
NGC 4571	04/17/07	03:03 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, round smudge of light. Barely able to see it with AV. Bright blue white field star near it and at 8 o'clock side of glow.
NGC 4586	04/17/07	01:28 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice, dim, elongated oval. Central area hare brighter. Pretty uniformly lit. Best seen with AV, but can see it with DV. Very bright field star above it and to left in same FOV.
NGC 4605	04/21/06	2:31 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Nice, short, fat edge on. Bright. Nice central bulge that flattens into short arms. Nicest I've seen all night.
NGC 4608	04/17/07	02:37 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round glow with hare brighter core seen. See with DV. Most of what is seen in the brighter core. A very bright field star is just below. NGC 4608 and NGC 4596 are in same FOV.
NGC 4612	04/17/07	02:32 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim round halo glow easily seen with DV. With AV, see tiny stellar core which now makes it look like an out of focus star. At top of a chain of 4 brighter blue white stars that forms a line.
NGC 4639	04/17/07	02:52 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Larger oval and dim, yet easy to see with AV. Uniformly lit.
NGC 4647	05/07/04	10:31 MDT	Seeing soft, Sky steady.	Kim's Place. E of Longmont, CO. Slightly Dark Skies.	12.5" f/8 Newtonian	134x - NGC 4647 is a very faint glow right next to M50 w/barely a hare brighter nucleus.
NGC 4691	04/17/07	00:47 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice and bright. Easy to see with DV. A thin longer oval shape. Pretty uniformly lit. Maybe hint of a bit brighter core. Nice. Stands right out in FOV.

NGC 4742	04/17/07	00:03 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round glow with very bright stellar core. Seen with DV. Very bright field star just below it and to left. Lots of other galaxies seen in this area. Nice.
NGC 4880	04/18/07	00:41 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim, oval glow that is pretty uniformly lit.
NGC 4902	04/01/05	22:56 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, dim glow. Maybe circular in shape. Hare brighter nucleus. This is a hare brighter version of 4984. On 5/24/06, 23:18 MDT, 134x (19mm)- Small, round, dim easy to see uniformly lit glow.
NGC 4904	04/17/07	00:53 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round dim uniformly lit glow.
NGC 4914	04/18/07	04:35 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, oval glow with tiny stellar core seen with DV. Stands out in area and in FOV.
NGC 4915	04/17/07	00:40 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Round and small with brighter central region and a hint of a tiny bit of halo surrounding it. To the left and in same FOV is NHC 4890.
NGC 4928	04/17/07	00:18 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, linear yet very bright. Easy to see with DV. See very bright core that dims slowly into short, extended arms on each side. Nice central bulge seen. Situated 11 to 5 o'clock in eyepiece.
NGC 4939	04/16/07	23:53 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim. Hard to see with DV. With AV, can see large dim oval glow with larger, hare brighter central region that gets even brighter in center.
NGC 4941	04/17/07	00:35 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Nice tilted oval. Hare brighter central region surrounded by a dim halo. Easy to see with DV. Did I say this was nice!!!
NGC 4956	04/18/07	04:38 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very small, dim, round glow with maybe a tiny, hare brighter core.
NGC 4981	04/17/07	00:31 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, dim oval glow. Pretty uniformly lit. Maybe hint of hare brighter core. Bright field star sits at top of glow. AV used to see this one.
NGC 4984	04/01/05	22:48 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, very dim circular glow with hare brighter nucleus seen. On 5/24/06, 23:08 MDT, 134x (19mm)- Oval in shape. Most of it is a very dim halo glow, with small, brighter nucleus. w/AV there is a stellar point on a small, nucleus glow.

NGC 4999	04/17/07	00:59 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Larger, very dim round glow with hare brighter central region seen. Best seen with AV. To the left is NGC 4996 and approx 1 FOV away.
NGC 5012	04/18/07	00:50 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Larger, very dim oval glow with hare brighter central region. Can see with DV but best view is with AV.
NGC 5018	05/24/06	22:55 MDT	Sky is steady. Seeing is better. Transparency is Good. Stars are more like pinpoints.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Small, bright, easy to see round glow with brighter, small compact core. Large amount of halo surrounds this nucleus glow.
NGC 5020	04/18/07	00:38 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Dim, round glow of halo with brighter, tiny core seen with DV.
NGC 5023	04/18/07	04:59 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very faint linear sliver of light. Pretty uniformly lit. See it best with AV.
NGC 5037	03/21/04	1:44 MST	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - A very faint, circular smudge of light. Uniformly lit. On 5/24/06, 23:04 MDT, 134x (19mm)- Long linear sliver of light. Uniformly lit.
NGC 5044	04/01/05	22:44 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, dim oval glow with very bright stellar nucleus in center of glow. On 5/24/06, 23:04 MDT, 134x (19mm)- Round, brighter glow with small, brighter, almost stellar nucleus seen with AV.
NGC 5053	05/06/05	22:27 MDT	Seeing good, Sky steady. Very Clear.	TSP 2005 - Ft Davis, TX	12.5" f/8 Newtonian	134x - <u>Very</u> dim, circular glow within 1 FOV of M53. Some mottling seen on uniformly lit glow. Class 12. Some 8 field stars bound this glow on lhs by a ½ circular arc. M53 is a bright, small and round. Brighter nucleus seen. May member stars seen.
NGC 5056	04/18/07	04:46 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, round smudge of light. Barely able to see it with AV. This was dim.
NGC 5061	04/17/07	01:13 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, oval or round glow with brighter central core. Easy to see with DV. To right and near it is a bright field star. Tiny brighter core seen in bright core which is surrounded by a bit dimmer halo.
NGC 5068	04/01/05	22:00 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	20" f/4.5 Newtonian	In Bill Possel's 20 inch scope, 250x. Small, dim oval glow. On 5/24/06, 22:49 MDT, with my 12.5" f/8 newtonian, 134x (19mm)- Large, very dim round uniformly lit glow.
NGC 5077	04/01/05	22:39 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, dim, maybe round glow with relatively brighter nucleus in center of glow. On 5/24/06, 23:47 MDT, 134x (19mm)- Small, elongated oval with tiny, almost stellar brighter nucleus. Halo seen around this tiny core.

NGC 5078	04/17/07	01:13 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - 1 1/2 FOVs away and below NGC 5061 is a dimmer, linear glow with hare brighter core seen. A brighter field star is to right and much farther away from it than the field star near NGC 5061. This one is cigar shaped. Best seen with AV.
NGC 5084	05/24/06	22:42 MDT	Sky is steady. Seeing is better. Transparency is Good. Stars are more like pinpoints.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Long, linear cigar shape. Easy to see. Seeing soft in the south. Has brighter, larger nucleus with hint of a halo glow around it.
NGC 5087	05/24/06	22:49 MDT	Sky is steady. Seeing is better. Transparency is Good. Stars are more like pinpoints.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Small, round easy to see. Has larger, brighter nucleus glow with hint of a circular halo around it.
NGC 5103	04/18/07	04:53 MDT	Sky is steady. Seeing is Good. Transparency is Fair.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very small, round, dim glow with brighter blue white field star just above it and to its left at 11:30 o'clock. Looks to have a tiny, brighter central region but its hard to tell. Very dim overall.
NGC 5129	04/18/07	00:33 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, very dim round glow of halo with hint of a hare brighter core.
NGC 5134	05/24/06	22:45 MDT	Sky is steady. Seeing is better. Transparency is Good. Stars are more like pinpoints.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Oval in shape. Dim. w/AV see a hare brighter, large nucleus.
NGC 5204	04/21/06	2:04 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Large, dim oval to circular shaped glow. Looks like large area of center a hare brighter than edges. So most of what can be seen is nucleus glow.
NGC 5308	04/21/06	2:15 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Nice, bright large nucleus surrounded by a hare fainter, slightly oval halo.
NGC 5371	03/12/07	1:30 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, yet very extended circular halo with hare brighter, tiny core seen in center of glow. Very bright field star is at the 4 o'clock side and outside of halo glow.
NGC 5383	03/12/07	1:37 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim, uniformly lit round glow. Easy to see with DV. Maybe a hint of a hare brighter core.
NGC 5426	05/25/06	00:18 MDT	Sky is steady. Seeing is poor. Transparency is Good. Stars are like fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- 5426 is a dim, long oval, pretty uniformly lit with hint of hare brighter core area.
NGC 5430	06/23/06	23:06 MDT	Sky is steady. Seeing is fair. Transparency is Good. Stars are not pinpoints yet.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – An elongated oval shape. Flattened. Has brighter nucleus glow on halo. Central glow is mottled.

NGC 5440	06/23/06	01:19 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm - All 3 can barely fit in same FOV. 5440 is very dim, round or maybe elongated oval. Pretty uniformly lit. 5444 is to the left of 5445. 5444 is a dim, round glow with brighter nucleus and is larger than 5445, which is dimmer and a smaller version of 5444. I read the description of these objects and noted a dim field star next to nucleus. When I went back to the scope to see this, the galaxies were gone. I looked up and the sky had completely clouded over in just a few seconds.
NGC 5443	06/23/06	22:38 MDT	Sky is steady. Seeing is fair. Transparency is Good. Stars are not pinpoints yet.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Dim, linear or cigar shaped, uniformly lit galaxy. No other details seen.
NGC 5444	06/23/06	01:19 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm - All 3 can barely fit in same FOV. 5440 is very dim, round or maybe elongated oval. Pretty uniformly lit. 5444 is to the left of 5445. 5444 is a dim, round glow with brighter nucleus and is larger than 5445, which is dimmer and a smaller version of 5444. I read the description of these objects and noted a dim field star next to nucleus. When I went back to the scope to see this, the galaxies were gone. I looked up and the sky had completely clouded over in just a few seconds.
NGC 5445	06/23/06	01:19 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm - All 3 can barely fit in same FOV. 5440 is very dim, round or maybe elongated oval. Pretty uniformly lit. 5444 is to the left of 5445. 5444 is a dim, round glow with brighter nucleus and is larger than 5445, which is dimmer and a smaller version of 5444. I read the description of these objects and noted a dim field star next to nucleus. When I went back to the scope to see this, the galaxies were gone. I looked up and the sky had completely clouded over in just a few seconds.
NGC 5447	06/23/06	22:21 MDT	Sky is steady. Seeing is fair. Transparency is Good. Stars are fat circles.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) - This is another hare brighter glow to the upper left of the nucleus glow of M101. w/AV, see this glow easily. Nice. 5462 is more linear than 5447, which is more oval. Very easy to see now that I know what I'm looking for.  22mm - I looked at this again later this night in a 30 inch telescope and it stood right out and was very easy to see. This view looked like the photograph I got off the internet to help me identify this feature in M101.
NGC 5448	06/23/06	00:28 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Its dim, yet easy to see. A nice edge on. Its long. Central bulge is easy to see. Arms disappear quickly on both ends. Nice.

NGC 5462	06/23/06	22:21 MDT	Sky is steady. Seeing is fair. Transparency is Good. Stars are fat circles.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) - Its at the lower right of M101. Its well away from the nucleus glow, but on the extended halo glow. It's a brighter glow on the a very dim halo. It's a bit brighter than NGC 5447. 5462 is more linear than 5447, which is more oval.  22mm - I looked at this again later this night in a 30 inch telescope and it stood right out and was very easy to see. This view looked like the photograph I got off the internet to help me identify this feature in M101.
NGC 5480	06/23/06	23:53 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Both in FOV and right next and near to each other. Both are round glows with tiny stellar nucleuses. 5481 on right is a bit larger than 5480. Both are approx the same appearance.
NGC 5481	06/23/06	23:53 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Both in FOV and right next and near to each other. Both are round glows with tiny stellar nucleuses. 5481 on right is a bit larger than 5480. Both are approx the same appearance.
NGC 5485	06/23/06	22:38 MDT	Sky is steady. Seeing is fair. Transparency is Good. Stars are fat circles.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) - Nice. Larger, slight oval shaped galaxy has brighter tiny core with large amount of what is seen is halo, which is easy to see. Dim field star at lower left and near to galaxy.
NGC 5490	04/01/05	23:45 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Two galaxies next to an orange star, with a 3rd very faint sliver of light (982) to the upper left at the edge of the FOV. The larger one (5490) has a bright stellar nucleus with a hint of a circular halo around it. The other (983) is a much smaller version of brighter one and a bit dimmer overall.
NGC 5493	05/25/06	00:23 MDT	Sky is steady. Seeing is poor. Transparency is Good. Stars are like fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Small, round, bright stellar core surrounded evenly by tiny halo. Looks more like a planetary nebula than a galaxy.
NGC 5506	05/25/06	00:28 MDT	Sky is steady. Seeing is poor. Transparency is Good. Stars are like fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Small, flattened oval with bright, tiny core in center of halo glow.
NGC 5507	05/25/06	00:28 MDT	Sky is steady. Seeing is poor. Transparency is Good. Stars are like fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- A long, linear smudge of light, uniformly lit and almost parallel to 5506. In same FOV. Is a bit dimmer than 5506.
NGC 5520	06/23/06	00:00 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – A dim, round glow with brighter, tiny nucleus see on center of glow.
NGC 5523	04/02/05	00:08 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	20" f/4.5 Newtonian	In Bill Possel's 20 inch at 250x. Very dim, uniformly lit edge on with nice extension of arms seen.
NGC 5529	06/23/06	00:57 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – A larger, round galaxy with brighter nucleus area seen w/ AV. Maybe nucleus brightens to a tiny stellar point, but not sure.

NGC 5533	06/23/06	00:43 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, round, dim glow with much brighter nucleus glow on center of circle, which brightens more to a tiny stellar core.
NGC 5548	04/02/05	00:08 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	20" f/4.5 Newtonian	In Bill Possel's 20 inch at 250x. Round, very dim halo with bright stellar nucleus right in the center of glow. Looks like a star with a halo around it.
NGC 5560	03/21/04	1:28 MST	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - It is a small, faint smudge of light with a tiny, dim nucleus.
NGC 5582	03/12/07	1:22 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very dim oval with hare brighter core seen in center of glow.
NGC 5585	06/23/06	23:01 MDT	Sky is steady. Seeing is fair. Transparency is Good. Stars are not pinpoints yet.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Very dim, large, round or slightly oval, glow with larger and hare brighter nucleus.
NGC 5590	06/23/06	00:48 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Very dim, round glow with bit brighter, larger nucleus seen in center of glow.
NGC 5595	05/25/06	00:00 MDT	Sky is steady. Seeing is poor. Transparency is Good. Stars are like fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- 5595 is a very dim, round glow. Its small. Hint of a hare brighter nucleus area. To its right is 5597, a bit dimmer and smaller than 5595 and is uniformly lit.
NGC 5597	05/25/06	00:00 MDT	Sky is steady. Seeing is poor. Transparency is Good. Stars are like fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- 5595 is a very dim, round glow. Its small. Hint of a hare brighter nucleus area. To its right is 5597, a bit dimmer and smaller than 5595 and is uniformly lit.
NGC 5600	04/01/05	23:34 MDT	Seeing good, Sky steady. Very Clear.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, dim oval glow with hint of a hare brighter nucleus.
NGC 5602	06/23/06	00:04 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, round dim glow with hint of a brighter nucleus seen.
NGC 5605	05/25/06	00:07 MDT	Sky is steady. Seeing is poor. Transparency is Good. Stars are like fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Very dim, round smudge of light. Limit of what can be seen tonight. Sky is soft in the south and can barely see it now.
NGC 5638	05/25/06	1:56 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- A small, round galaxy. Most of what is seen is a brighter, mottled core surrounded by a tiny bit of dim halo.
NGC 5660	06/23/06	00:07 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) - A very dim, round, uniformly lit smudge of light.
NGC 5668	05/25/06	1:54 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- A medium sized, round, uniformly lit glow. A tiny bright field star is at bottom edge of halo glow.
NGC 5687	06/23/06	23:31 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Larger, oval glow. Easy to see. Pretty uniformly lit of what is seen.

NGC 5728	05/25/06	00:12 MDT	Sky is steady. Seeing is poor. Transparency is Good. Stars are like fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Very dim, long linear smudge of light. Is basically up and down in FOV. At bottom part of glow are 2 very tiny stars on glow. Best seen w/AV. Pretty uniformly lit.
NGC 5750	05/25/06	1:16 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Small, round glow. Mottling seen on glow. Pretty uniformly lit and then dims quickly at edge.
NGC 5775	05/25/06	1:48 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Nice edge on. Linear. Slender. Pretty uniformly lit with maybe a hint of a dust lane bisecting center of glow.
NGC 5791	04/21/06	2:45 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – Small, oval glow with larger, bit brighter nucleus seen on glow.
NGC 5806	05/25/06	1:21 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- In same FOV with 5813. This is a flattened oval, uniformly lit and dim. Nucleus is mostly what can be seen and dims quickly at edges.
NGC 5812	05/25/06	00:40 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Small, round easy to see. Large bright core surrounded by a tiny bit of very dim halo.
NGC 5813	05/25/06	1:21 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Nice, bright and round. Larger nucleus glow with tiny bit of dimmer halo around it.
NGC 5831	05/25/06	1:25 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Small, round. A larger, bright nucleus with very bright star like center is surrounded by a tiny bit of halo.
NGC 5838	05/25/06	1:30 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Nice. A large, tilted oval with nice, bright large core that dims slowly into halo which fills approx ¼ FOV. Nice and large and easy to see.
NGC 5850	05/25/06	1:36 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Small, dim round glow with tiny core, a bit brighter than halo and also a tiny stellar dot on this core seen right in the middle.
NGC 5854	05/25/06	1:32 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- Nice edge on linear shaped. Large bright core in middle of cigar and dims quickly on each side into an extended halo area.
NGC 5861	05/25/06	00:36 MDT	Sky is steady. Seeing is poor. Transparency is Good. Stars are like fat circles.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- A large, dim oval glow. Hint of mottling present, but very subtle. For most part, its uniformly lit.
NGC 5864	05/25/06	1:42 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- A small, dim, oval cigar shaped galaxy. The core is brighter than halo and is most of what can be seen and dims quickly into halo arms.
NGC 5878	05/25/06	2:52 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- A nice, edge on tilted oval with fatter middle, slightly brighter nucleus. But overall, its dim.
NGC 5879	06/23/06	23:39 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) - A linear glow with a much brighter, tiny stellar core. Bright field star to lower left of galaxy.
NGC 5899	06/23/06	00:37 MDT	Sky is steady. Seeing is Good. Transparency is Good.	Camp Happy Jack, Wyoming. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm) – A nice, tilted oval. Pretty dim, yet can see brighter core and lots of halo.

NGC 5970	05/25/06	2:01 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- A small, oval galaxy with brighter core that dims evenly to edges of halo.
NGC 5985	03/12/07	1:56 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Long, thin oval. Most of what is seen is brighter nucleus with dim ring of halo around that. This is below another galaxy NGC 5982.
NGC 6015	03/12/07	2:01 MDT	Seeing was Great. Sky very steady.	DAS Dark Sky Site near Deer Trail, CO. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Long, fat, dim oval shaped, uniformly lit smudge of light. Easy to see with DV. Best seen with AV.
NGC 6058	09/30/05	20:57 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small round glow with central star easily seen with AV. O3 doesn't add much. 10mm. Nice round shape with central star seen with direct vision. O3 dims this view of it a lot.
NGC 6070	05/25/06	2:10 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- A larger, tilted oval. Pretty uniformly lit. Dim.
NGC 6106	05/25/06	2:32 MDT	Sky is steady. Seeing is OK. Transparency is Good.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x (19mm)- A medium sized, round, very dim glow.
NGC 6155	09/30/05	20:51 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very small, very dim round glow with a hint of a hare brighter nucleus. Near a much brighter field star.
NGC 6166	09/30/05	21:04 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, very dim glow. Maybe a bit oval in shape with a hint of a time, hare brighter nucleus.
NGC 6181	09/30/05	21:16 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Dim, oval shaped, uniformly lit patch of light. Easy to see though. Stands right out in FOV.
NGC 6239	09/30/05	20:39 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Faint, uniformly lit glow. Fat oval shape. Definitely not circular.
NGC 6340	04/18/07	00:07 MDT	Sky is steady. Seeing is Great. Transparency is Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Small, round, dim halo glow with brighter, tiny core seen in middle of halo glow.
NGC 6507	09/02/05	22:03 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 12-15 stars of approx same magnitude makes this peanut shaped cluster with the stars of the cluster around outside outline of peanut. More fainter stars with a glow seen in middle of peanut. View through 19mm. Saw arrow to the east pointing to this cluster, as book said. Arrowhead was large.

NGC 6526	09/30/05	20:16 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - I re-looked at this one with a clean mirror. I determined that this was a lot closer to M8 than the finder chart indicated. Its an easy to see glow, that is best seen with the UHC filter. I see the 3 stars on the finder chart in the nebulosity. This nebulosity is just an extension of the flow of gas from M8 and is all around this area and around these 3 field stars. The gas cloud is triangular in shape. There is a slight dim of a gap between the nebulosity glow of M8 and where this triangular patch of glow starts.
NGC 6548	09/30/05	21:32 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, dim round glow with a brighter, tiny nucleus.
NGC 6596	09/02/05	21:39 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Forms a triangle with M17 (Swan), which is awesome and stands right out, and M8, a small, compact OC. Nicely fills FOV of 32 mm. 20-30 blue white stars all over FOV, yet like book says, forms a shamrock shape that you can easily see. The 20-30 stars are of about 2 magnitudes, with many much fainter one all over this area.
NGC 6604	09/02/05	22:17 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Approx 8 stars or so makeup this OC. Bright blue white stars form a very loose ring. All of same magnitude except 1, which is a bit brighter than rest. These are bright stars compared to others in the area.
NGC 6717	08/12/04	23:25 MDT	Seeing good, Sky steady.	Fox Park, WY. West of Laramie. Very Dark Skies.	12.5" f/8 Newtonian	134x - <b>Very</b> small, very dim glow right next to a <b>very</b> bright FS to the lower left of this GC. 2 very dim FS on glow. Too dim to classify.
NGC 6772	09/02/05	23:34 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - <b>Very</b> faint circular glow. Barely see it with AV and w/o OIII filter. With OIII, can better see a round, uniformly lit glow. No central star seen. First found it using OIII filter. Then looked at it without it and could see it. Studying it makes it easier to see with AV. If hadn't found it first with OIII, might have missed it for its just a round smudge of light.
NGC 6793	09/02/05	23:23 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	32mm gives best view of this. Stars, of approx same magnitude, make a wide, flat "U" shaped that is approx 2/3 FOV diameter in width. 22+ stars makeup this U shaped cluster. This a was pretty cool OC.
NGC 6800	09/02/05	23:11 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 4 much brighter and 14 much dimmer stars makeup this ring shaped OC.
NGC 6804	09/02/05	23:43 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 19mm. Much brighter oval glow. Uniformly lit. With OIII, looks more circular. 1 tiny, faint field star offset from center and on southern bottom shines on glow. This one is easier to see without OIII filter. 10mm. Using SV, can see second field star mentioned in the text for this object, near the brighter star I had already seen. This second star is a little closer to the center, but its much dimmer and pops in and out of view.

NGC 6814	09/30/05	21:52 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round glow with a tiny, relatively brighter star like nucleus see with AV. UHC filter doesn't yield a better view of this. Appears to be round.
NGC 6824	9/20/2006	00:22 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - A nice, larger oval with brighter core region that dims slowly to edges. Situated on a line from 10 o'clock to 4 o'clock. Maybe see a very faint field star, once in a while, on bottom edge of glow, right near the edge. Center of nucleus glow is tiny and bright. Can see it with direct vision but core details seen with AV.
NGC 6857	9/19/2006	23:57 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - A faint, yet easy to see triangular (fan shaped) patch of light. Wider on bottom. Better seen with UHC filter. 9mm eyepiece does not show it any better. Can see it without filter, but barely as a smudge of light. 3 faint field stars border this glow on west (lhs). Brightest of these field stars is near the point of the fan.
NGC 6888	09/25/03	23:00 MDT	Seeing good, Sky steady. Very Clear.	Okie-Tex Star Party. Kenton, OK. Nice, dark skies.	12.5" f/8 Newtonian 22" f/4.5 Newtonian	In 22" scope, bright comma shaped nebula on the bottom. On the right, the nebulosity goes thru 3 bright field stars, then loops around into a large oval. See a faint glow on the rest of it (top and left). Filled FOV of Ron's medium power EP. 19mm-In my scope, faint, wide, long sliver of light. Barely seen. Fatter and brighter at the left side and gets fainter to right as it fans out into nothing. All observations were done with O3 filter.
NGC 6894	9/20/2006	00:04 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Medium sized, round, uniformly lit glow. Shows very well with O3 filter. That's how I found it was with the filter in. w/o O3, can see round glow with direct vision but easier to see with filter.
NGC 6907	10/03/02	20:59 MDT	Seeing good, Sky steady. Very Clear.	Okie-Tex Star Party. Kenton, OK. Nice, dark skies.	12.5" f/8 Newtonian	134x - Very faint glow. Took much time to find this even though CAP was high in the south. Almost star like, like OOF star.
NGC 6960	10/06/99	20:04 MDT	Seeing good, Sky steady. Clear.	Okie-Tex Star Party. Kenton, OK. Nice, dark skies.	12.5" f/8 Newtonian	80x - UHC filter - Little S from 52 Cygni to the left. Fills 3/4 FOV. Leaves the star fainter, gets brighter in the middle of the S and then gets dim again at the top of the S. Appears to twist.
NGC 6991	9/24/2006	20:03 MDT	Seeing good, Sky steady. Clear.	My Backyard. Broomfield, Colorado. Suffers from much light pollution.	12.5" f/8 Newtonian	80x - 10-12 very faint stars makeup this OC. It is an oblong circular shape with 3 stars coming off at 1 o'clock. Book describes it as a kite with a tail, and it resembles that nicely. Best seen in 32mm (80x). Approx 2 magnitude of stars makeup this with most stars of the fainter magnitude. Bright field star approx 1/2 FOV to W of this.
NGC 6992	10/05/99	21:04 MDT	Seeing good, Sky steady. Clear.	Okie-Tex Star Party. Kenton, OK. Nice, dark skies.	12.5" f/8 Newtonian	Veil Nebula. West part. Lots of filaments and knots in 24 inch with UHC filter. Rather dim but easily seen. Move scope to follow arc so see the whole structure. At the bottom of the arc, away from the main filament, saw another know (NGC 6979). The twisting of the filaments and knots is awesome. East is very bright corkscrew shape. In my scope, west, UHC filter enhances view. Arcs through several FOVs. Can see knots and filaments easily.

NGC 6997	9/19/2006	20:08 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	32mm (80x) – Very loose open cluster. Very large. Best seen in 32mm, which it overwhelms the FOV of. Printed a picture of it and can match stars of picture with star field. Can count 20+ brighter stars in FOV, but of several magnitudes. Hard to tell which stars in field belong to this OC. Some stars are very bright with respect to the others. Class III 2 p.  NGC 6996 is just south of 6997. Its more compact and easier to see OC boundries. Count 20+ stars here also of several (3-5) magnitudes. But much dimmer stars as compared to 6997. Best seen in 32 mm also. Small and concentrate. Fills approx 1/3 FOV. Class I 2 p.
NGC 7023	10/03/02	20:59 MDT	Seeing good, Sky steady. Very Clear.	Okie-Tex Star Party. Kenton, OK. Nice, dark skies.	12.5" f/8 Newtonian	134x - 19mm-Bright star w/very faint companion at 5 o'clock embedded in extended glow. Fills center of FOV nicely.
NGC 7031	9/24/2006	21:23 MDT	Seeing good, Sky steady. Clear.	My Backyard. Broomfield, Colorado. Suffers from much light pollution.	12.5" f/8 Newtonian	134x – Very small in FOV. 32 mm (80x) showed compact OC of 3-4 stars, that's how I spotted it in the first place. 19mm (134x) shows a boxy shaped OC with 10 stars of 3 magnitudes with the bottom rhs star much brighter than rest. There are 2 other very faint stars in this area also, which may be part of this OC. 9mm eyepiece shows it real nice.
NGC 7042	9/19/2006	21:54 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x – Small, round dim glow of light. Easily seen with AV. Very round. Pretty uniformly lit.
NGC 7067	9/24/2006	20:36 MDT	Seeing good, Sky steady. Clear.	My Backyard. Broomfield, Colorado. Suffers from much light pollution.	12.5" f/8 Newtonian	134x – Boxy shaped OC. 10-12 stars of approx the same magnitude makeup this cluster. Maybe a vertical bowtie shape to it. 3 stars on rhs of box, top 2 and bottom one are slightly brighter than rest. Almost fills FOV of 19mm. 32mm (80x) showed it nicely also.
NGC 7082	9/24/2006	21:10 MDT	Seeing good, Sky steady. Clear.	My Backyard. Broomfield, Colorado. Suffers from much light pollution.	12.5" f/8 Newtonian	80x – Nicely fills FOV of 32mm. Lots of stars seen, of several magnitudes. 20 or so are of a brighter magnitude of which, there are really 3 different magnitudes of these brighter components. Lots of fainter stars seen underneath these brighter stars. Very open, yet has a linear concentration in center that goes from 9 – 3 o'clock in FOV. Using the 19mm EP(134x) and looking at the center of the OC, see very faint stars, but there is a cutoff. The stars don't fade into a glow. Using this 19mm eyepiece, I 5-6 different magnitudes of stars, yet faintest is easy to see and I don't see any fainter than these.
NGC 7129	09/03/05	00:43 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 8 stars of approx the same magnitude and 6 stars of a lesser magnitude. There is a glow under middle 4 stars and around stars.
NGC 7139	09/29/06	22:29 MDT	Seeing good, Sky steady.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - With UHC filter and AV, can see a very dim, small, round glow. Its there, but very faint. w/o filter, see a couple of very faint stars in the area. w/O3 filter, can see the round glow easier. It's a uniformly lit glow.

NGC 7156	09/30/06	00:35 MDT	Seeing good, Sky steady. Transparency Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Very faint oval glow of uniformly lit light. This galaxy is the limit of what the sky is showing right now.
NGC 7171	08/23/06	23:56 MDT	Seeing OK. Sky steady. Wind blowing.	Deer Trail, CO. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very faint oval, maybe cigar shaped smudge of uniformly lit light.
NGC 7177	9/19/2006	21:33 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Dim. Round galaxy. Seems brightest in center and dims slowly to edge. No definite nucleus glow, just that the center is the brightest.
NGC 7184	08/24/06	00:12 MDT	Seeing OK. Sky steady. Wind blowing.	Deer Trail, CO. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Larger, dim, flattened oval. Very linear with fatter middle and tapered ends. Central nucleus area bit brighter than extended halo area. There is a very faint field star at each end of the galaxy, just beyond the halo.
NGC 7218	08/24/06	00:01 MDT	Seeing OK. Sky steady. Wind blowing.	Deer Trail, CO. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Very faint oval shaped galaxy. 2-3 very faint field stars seen on glow of galaxy. These stars pop in and out with the seeing.
NGC 7245	09/03/05	1:50 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 5 bright, blue white stars form an arrowhead with 2 dimmer stars in the middle of it. Sky is soft tonight, but there is a hint of a glow behind this triangle.
NGC 7332	09/30/05	22:51 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 7332 is a nice oval shape with a nice, large bright nucleus.
NGC 7354	09/03/05	1:28 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Oval, small, very dim, uniformly lit smudge of light. Best view with OIII filter. Very faint field star just below the glow.
NGC 7377	08/24/06	00:31 MDT	Seeing OK. Sky steady. Wind blowing.	Deer Trail, CO. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round dim circular glow. Pretty uniformly lit.
NGC 7392	08/24/06	00:20 MDT	Seeing OK. Sky steady. Wind blowing.	Deer Trail, CO. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, dim oval shaped. Seems to have a brighter core area, which is most of what is seen with a hint of a tiny bit of halo around this.
NGC 7419	09/03/05	1:38 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Bounded to the left and right by 2 easy to see field stars, there is a round glow seen. With AV, maybe count 8 or so <b>very</b> faint stars all over the glow.
NGC 7457	9/19/2006	22:01 MDT	Seeing good, Sky steady. Clear.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Elongated oval. Definitely not round. Dim, yet nucleus area is brighter. Most of what is seen is nucleus glow with hint of a halo around it. W/AV, once saw an almost stellar nucleus offset from center of glow to lower part a little bit.
NGC 7463	09/30/05	22:24 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 3 galaxies in FOV. 7463 is the biggest of the 3. All 3 are round and faint. 7463 has a tiny, brighter nucleus glow. 7464 is the 2nd biggest. Round, with a hint of a hare brighter nucleus. 7465 is the smallest, Its round, with a tiny, star like nucleus seen. All 3 are easy to see and stand right out in the FOV.

NGC 7465	09/30/05	22:24 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 3 galaxies in FOV. 7463 is the biggest of the 3. All 3 are round and faint. 7463 has a tiny, brighter nucleus glow. 7464 is the 2nd biggest. Round, with a hint of a hare brighter nucleus. 7465 is the smallest, Its round, with a tiny, star like nucleus seen. All 3 are easy to see and stand right out in the FOV.
NGC 7507	08/24/06	00:33 MDT	Seeing OK. Sky steady. Wind blowing.	Deer Trail, CO. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round, brighter galaxy. Most of what is seen is central part. Hint of a tiny bit of dimmer halo surrounding this.
NGC 7541	09/30/05	23:58 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 7541 is a nice, edge on sliver of light. Faint field star at edge of bottom right of galaxy. Very faint circular glow of 7537 just above it. Glow of both are uniformly lit. 7541 very easy to see.
NGC 7562	10/01/05	00:06 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Oval or round in shape. A dim halo with a tiny, relatively brighter nucleus seen. With AV, a stellar nucleus pops into view, otherwise can tell the nucleus is a bit brighter, but tiny with respect to the halo seen.
NGC 7600	08/23/06	23:45 MDT	Seeing OK. Sky steady. Wind blowing.	Deer Trail, CO. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, faint oval glow. Pretty uniformly lit, Very dim.
NGC 7619	09/30/05	23:41 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 7619 is the biggest of the 3, with 7623 just a hare smaller and 7626 just a tiny halo. All 3 have a nice nucleus glow. 19 and 23 are bright, circular nucleus that dims into a nice round halo. 7626 has a tiny halo with a star like nucleus seen on halo glow.
NGC 7623	09/30/05	23:41 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 7619 is the biggest of the 3, with 7623 just a hare smaller and 7626 just a tiny halo. All 3 have a nice nucleus glow. 19 and 23 are bright, circular nucleus that dims into a nice round halo. 7626 has a tiny halo with a star like nucleus seen on halo glow.
NGC 7626	09/30/05	23:41 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - 7619 is the biggest of the 3, with 7623 just a hare smaller and 7626 just a tiny halo. All 3 have a nice nucleus glow. 19 and 23 are bright, circular nucleus that dims into a nice round halo. 7626 has a tiny halo with a star like nucleus seen on halo glow.
NGC 7635	09/22/03	22:50 MDT	Seeing OK, Sky steady. Partly Cloudy.	Okie-Tex Star Party. Kenton, OK. Nice, dark skies.	12.5" f/8 Newtonian	32mm- Very small, circular glow with 2 faint stars on top of the glow. Three brighter stars are below it and gives the impression of a glow sitting on top of these three stars. M52 just to the left of this object.
NGC 7640	09/30/06	03:02 MDT	Seeing good, Sky steady. Transparency Great.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Long, thin edge on. Maybe central bulge and tapered arms. Fairly dim and pretty uniformly lit.
NGC 7742	10/01/05	00:26 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round with fairly bright core and a tiny bit of halo around core. Very faint field star to lower right and right next to it. Very easy to see.

NGC 7762	09/03/05	2:05 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	Approx 30+ stars inhabit this shape. More stars in upper left area than lower right. Real bright field star just outside the FOV in 19mm and in FOV of 32 mm. Can see the combined glow of the 30+ stars just above the bright field star in same FOV of the 32 mm eyepiece.
NGC 7785	10/01/05	00:47 MDT	Seeing good, Sky steady.	Pawnee Grasslands. NE Colorado. Moderate Dark Skies.	12.5" f/8 Newtonian	134x - Small, round, dim glow with a hint of a hare brighter nucleus. Nestled amongst 3 field stars.
NGC 7814	08/11/02	00:56 MDT	Seeing good, Sky steady. Very Clear.	WUTS. Fox Park, WY. Nice, dark skies.	12.5" f/8 Newtonian	134x - Elongated oval. Large, uniformly lit nucleus dims quickly into halo.
NGC 7832	09/30/06	00:50 MDT	Seeing good, Sky steady. Transparency Good.	Crow Valley Campground, NE Colorado. Suffers from slight light pollution.	12.5" f/8 Newtonian	134x - Faint oval smudge of light with hare brighter nucleus area seen with AV.

**Observational Statistics:**

Observed 400 of 400 Objects

**Magnifications Used:**

10mm 254x  
19mm 134x  
32mm 80x

**Abbreviations:**

AV - Adverted Vision  
FOV - Field of View of Eyepiece  
DV - Direct Vision  
rhs - right hand side  
lhs - left hand side